

Greater New Orleans Hurricane & Storm Damage Risk Reduction System

Risk Reduction St. Charles Parish and IER 24 Status Update

Mar. 30, 2010
St. Charles of Borromeo
Catholic Church Auditorium



US Army Corps of Engineers
BUILDING STRONG[®]

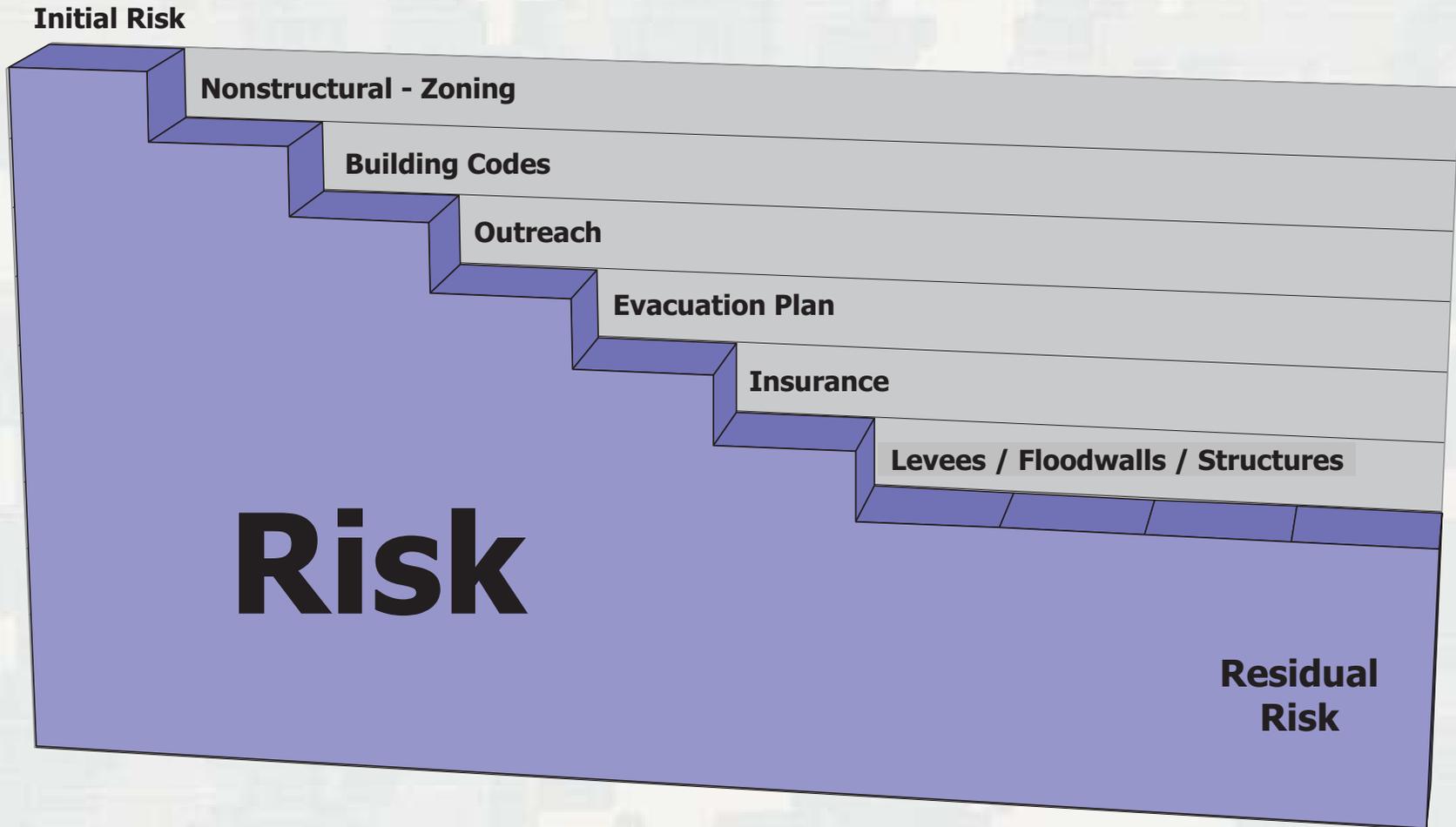


Meeting Purpose

- To discuss the status of construction on the east bank of St. Charles Parish
- To discuss potential stockpile sites, as they are described in Individual Environmental Report 24
- Discussion

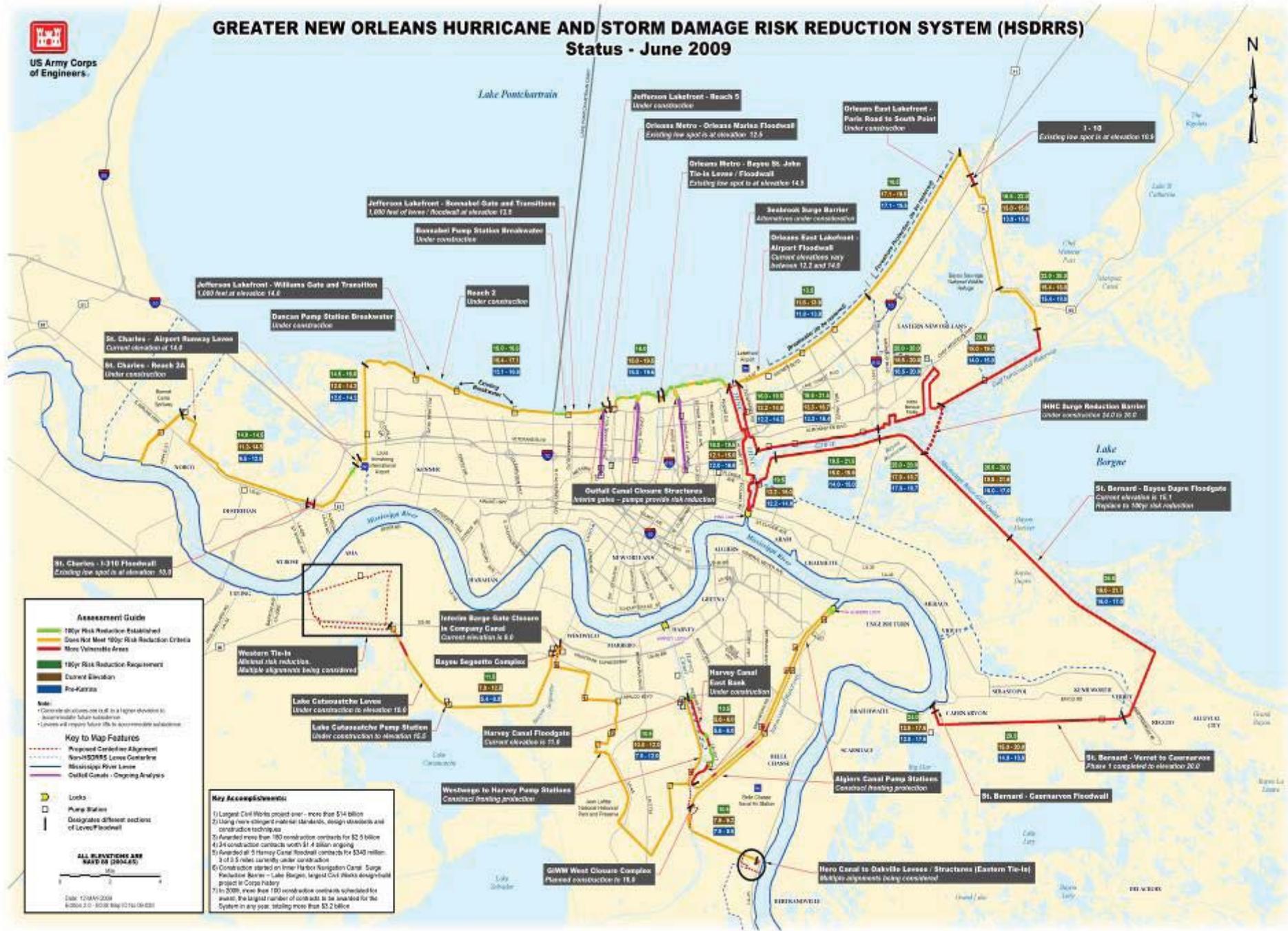


Risk – Shared Responsibility





GREATER NEW ORLEANS HURRICANE AND STORM DAMAGE RISK REDUCTION SYSTEM (HSDRRS) Status - June 2009



St. Charles Parish Levee Reaches



Levee Animation



Degrade Levee



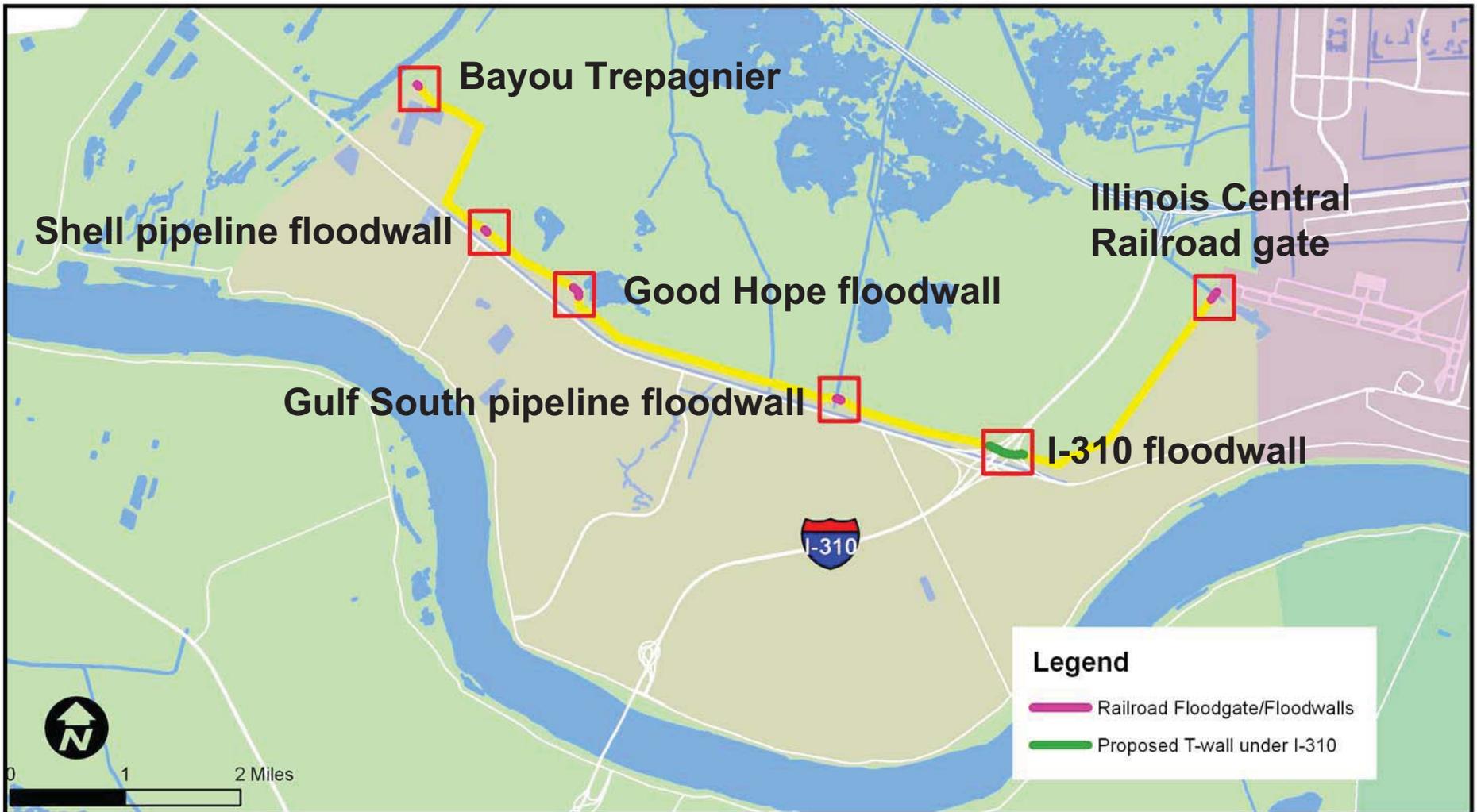
The geotextile reinforcement material is being placed in the degraded area

Straddle Levee



Reach 1B between Louis Armstrong New Orleans International Airport and I-310

St. Charles Parish Floodwalls



Bayou Trepagnier Floodwall

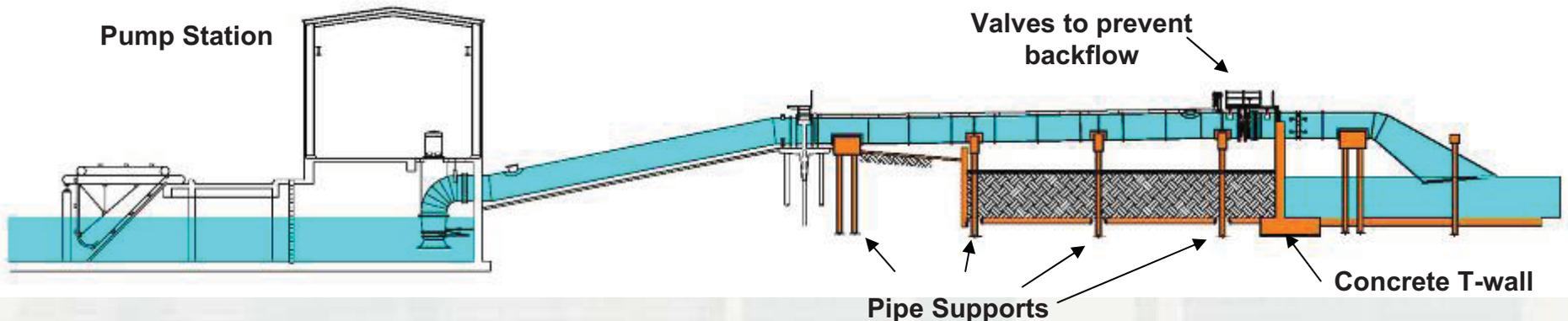


Healthon, Inc., of New Orleans, was awarded a contract to construct a floodwall in front of the existing Bayou Trepagnier Pump Station. The floodwall will be constructed to elevation 18.5 ft.



Purpose of Fronting Protection

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



Typical cross section of fronting protection



Shell Pipeline Floodwall



The pipeline through Shell Pipeline Floodwall will be directionally drilled underneath the current alignment and the floodwall will be replaced by a levee



Gulf South Pipeline Floodwall



This structure allows a 30 inch high pressure pipeline to cross through the levee alignment



Good Hope Floodwall



Good Hope Floodwall



The structure is being replaced by a new t-wall at elevation 17 ft.

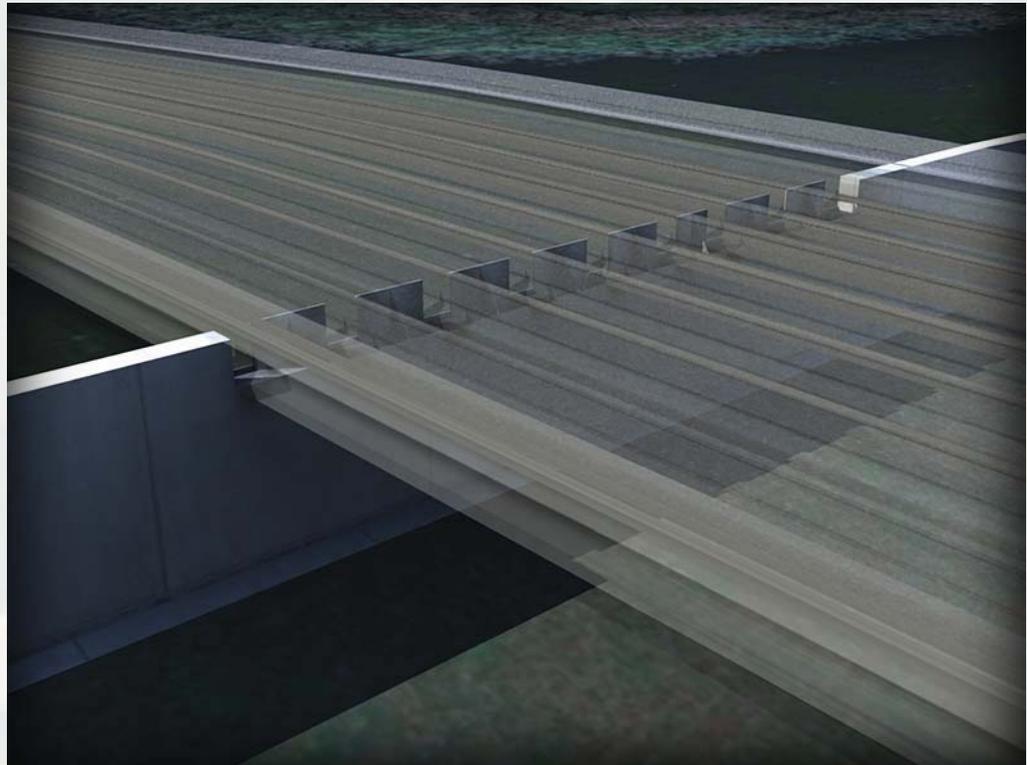


I-310 Floodwall



Technique used at the I-310 Floodwall

- Construction under the I-310 Floodwall presents engineering challenges
- Innovative engineering solutions allow the Corps to minimize road closures during construction



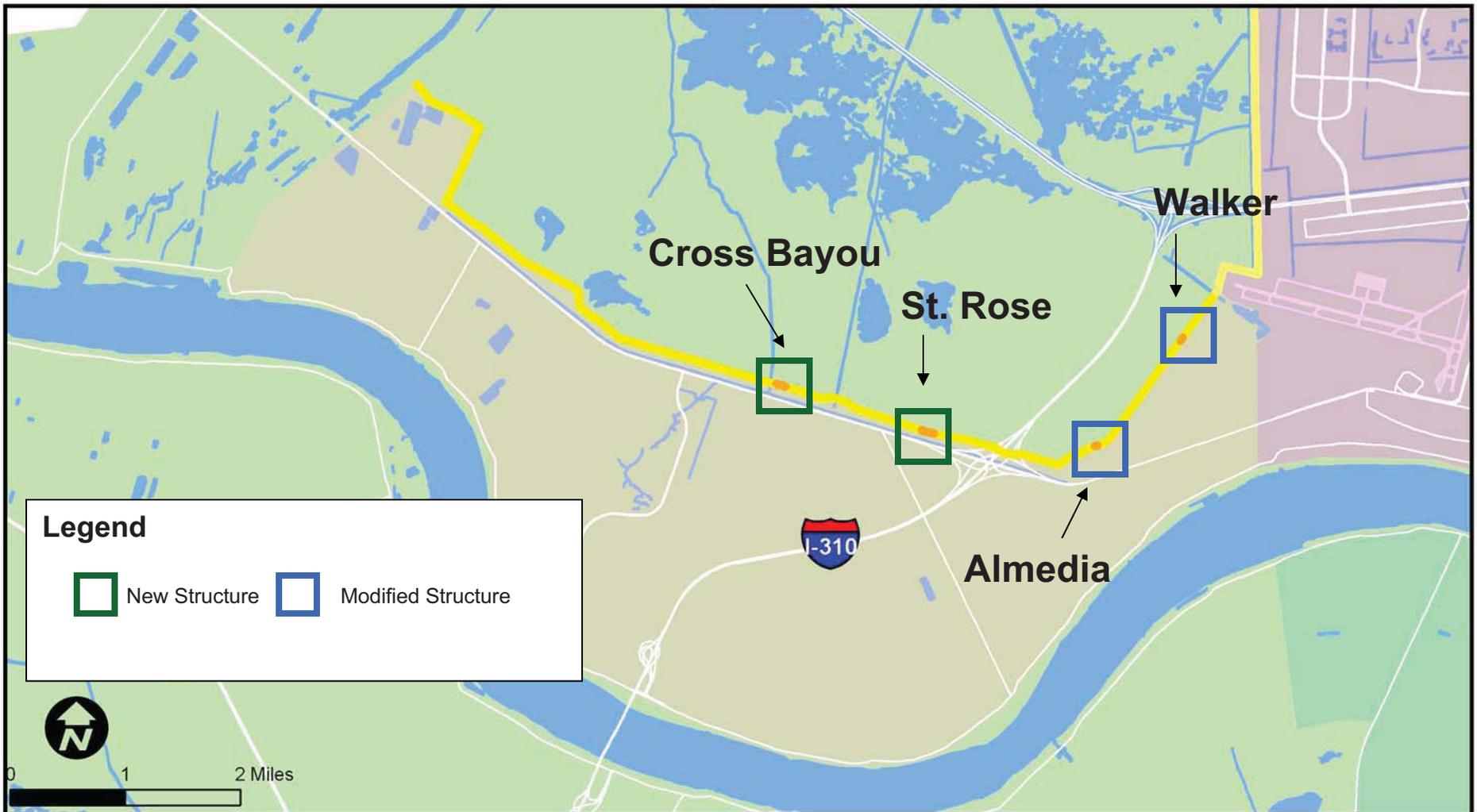
Illinois Central Railroad Floodgate



The existing floodwall and gate will be replaced with a new t-wall and new gate at elevation 15.5 ft.



St. Charles Parish Drainage Structures



Cross Bayou Drainage Structure



This is the largest drainage structure in St. Charles Parish,
it consists of six 6'x6' box culverts



Cross Bayou Drainage Structure Animation



St. Rose Drainage Structure



The new St. Rose drainage structure will be built to elevation 17 ft., north of the existing structure. Once complete, the old structure will be demolished.



Almedia Drainage Structure



Work to raise and strengthen the Almedia Drainage Structure began in August 2009. The structure will be elevation 15.5 ft.



Almedia Drainage Structure



The center monolith is being modified and constructed to 100-year level risk reduction standards

Almedia and Walker drainage structures are under the same contract



Walker Drainage Structure



The Walker Drainage Structure is being modified similar to the Almedia Drainage Structure



Current Construction at Walker Drainage Structure



Individual Environmental Report 24

Stockpile

- Currently available for public review
- Friday, March 26 through Saturday, April 24 2010

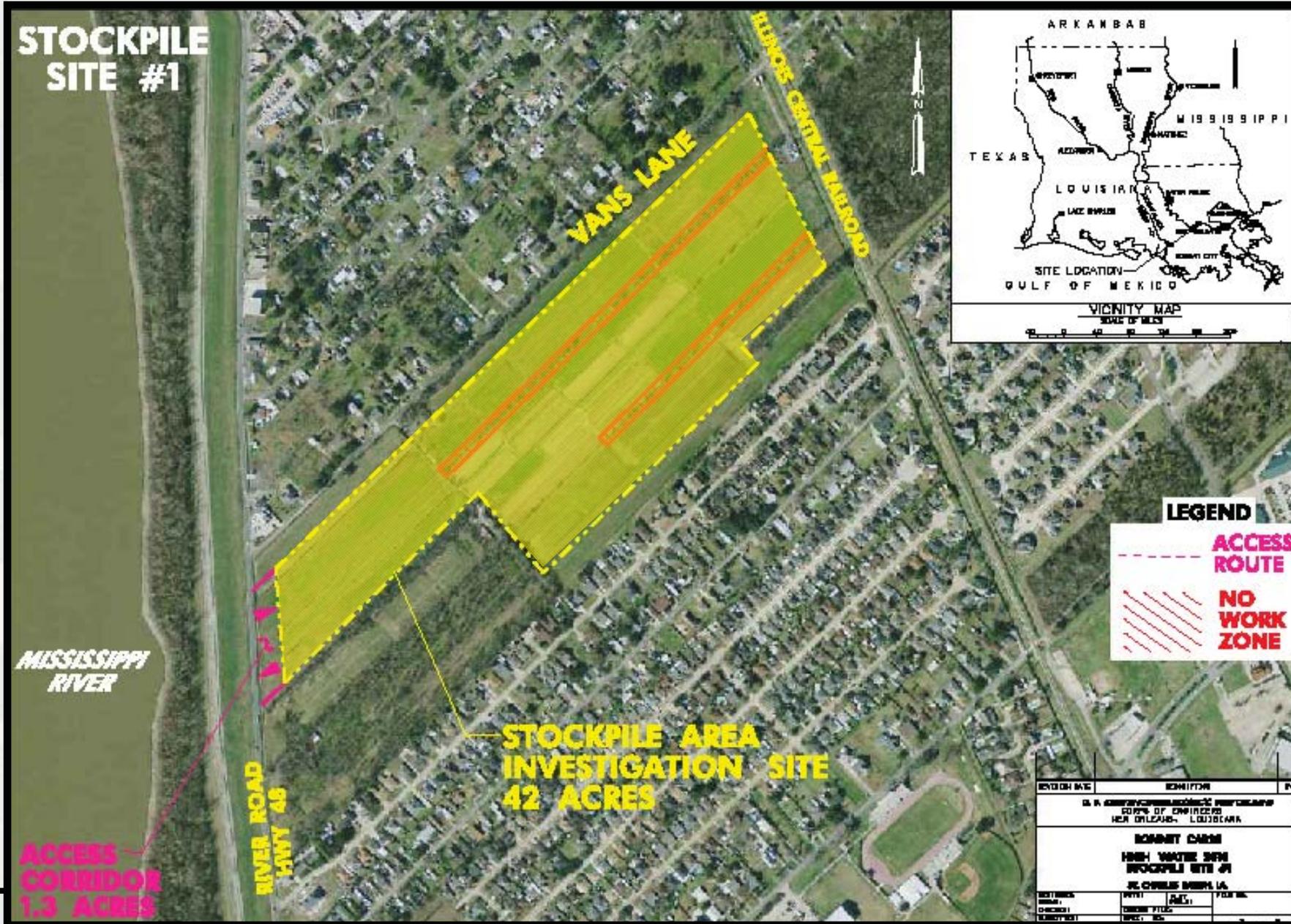


Stockpile

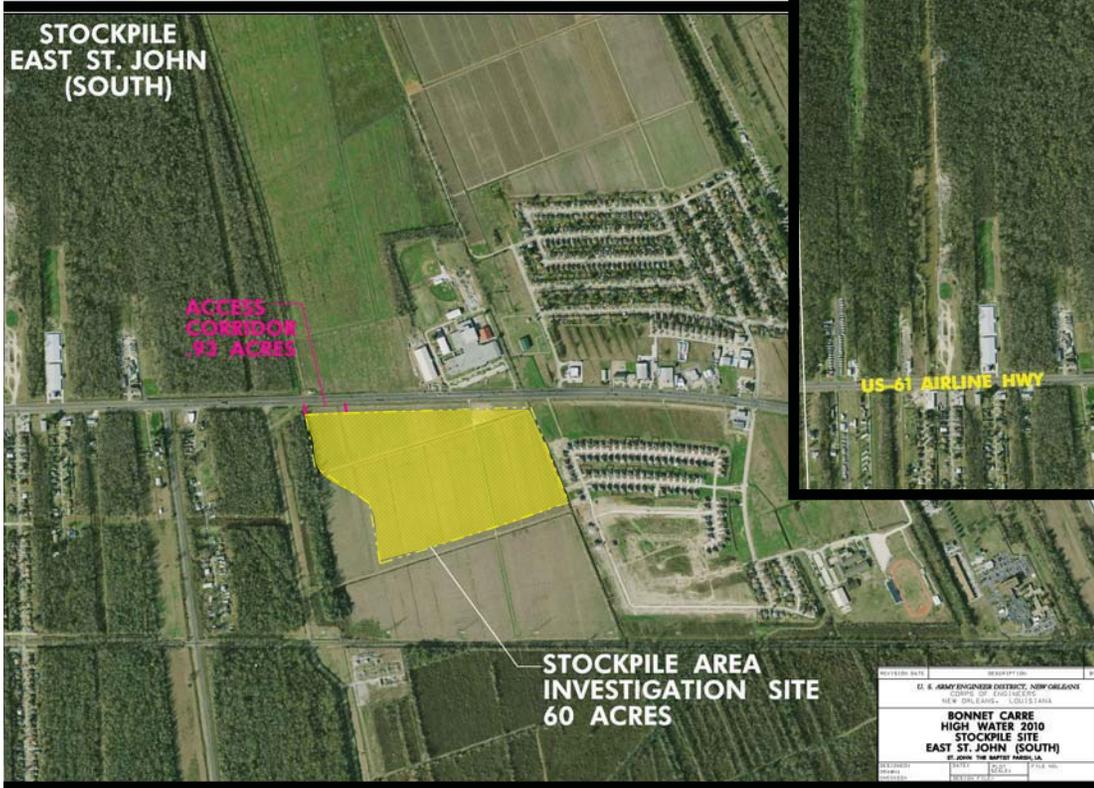
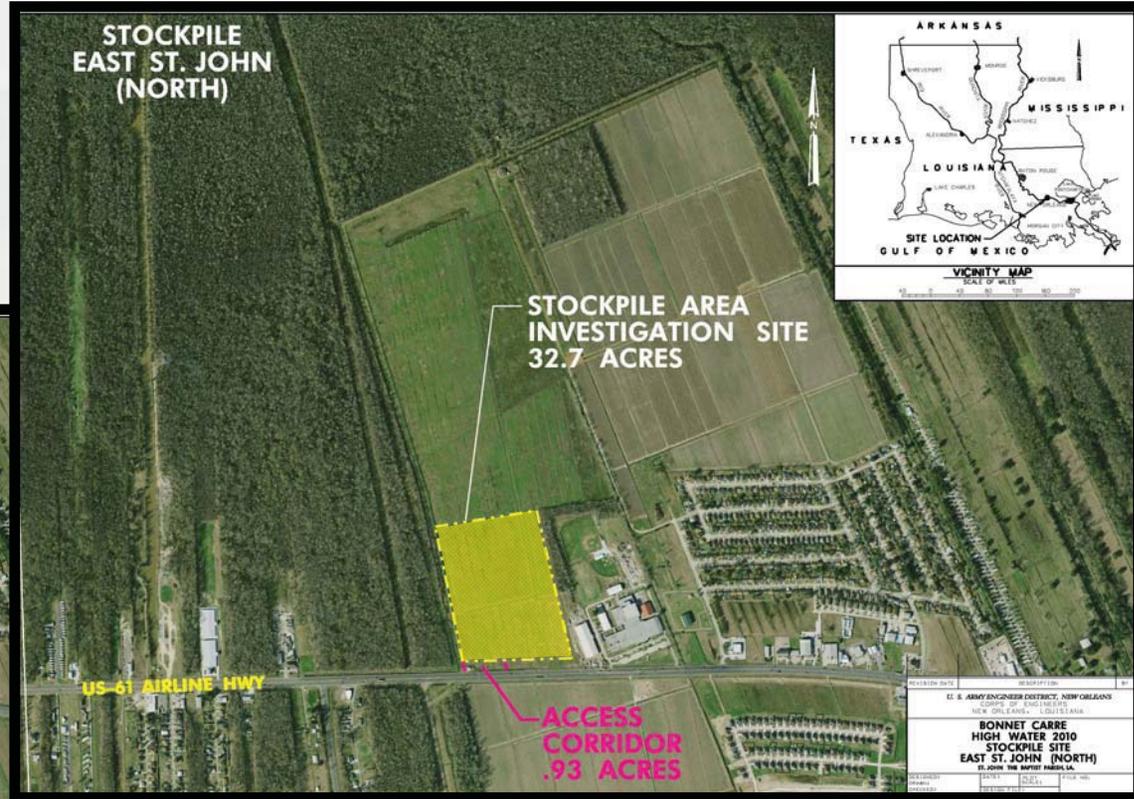
- Clay for St. Charles Parish levees will come from Bonnet Carre Spillway
- Stockpile sites would be used if Bonnet Carre Spillway floods
- Individual Environmental Report 24 identifies three possible stockpile sites
 - St. Charles Parish
 - East St. John Parish (North)
 - East St. John Parish (South)



St. Charles Parish Stockpile Site



East St. John Parish Stockpile Sites



Upcoming Public Meetings

Open House 6 p.m. - Presentation 6:30 p.m.

Tuesday, Apr. 20, 2010

MRGO Feasibility Study Overview
Holy Angels Convent
1011 Gallier St.
New Orleans, LA 70117

Tuesday, Apr. 27, 2010

Western Tie-In Construction Impacts
Cytec's Tom Call Pavilion
10800 River Road
Waggaman, LA

Thursday, Apr. 29, 2010

LCA Convent/Blind River NF meeting
St. James Parish Courthouse
5800 LA 44
Convent, LA 70723

Tuesday, May 25, 2010

LCA - Amite River Diversion Canal FS
French Settlement High School
15875 Hwy 16
French Settlement, LA 70733

Wednesday, Jun. 2, 2010

LCA Convey Atchafalaya River/Houma
Navigation Canal
Lock FS Terrebonne Parish
Consolidated Government
Council Chambers
8026 Main St.
Houma LA 70360

Thursday, Jun. 3, 2010

LCA - Terrebonne Basin Barrier
Shoreline Restoration FS Dumas
Auditorium
301 West Tunnel Blvd.
Houma, LA 70360

Tuesday, Jun. 15, 2010

LCA Convent/Blind River NF meeting
St. James Parish Courthouse
5800 LA 44
Convent, LA 70723

Thursday, Jun. 17, 2010

LCA Convey Atchafalaya River/Houma
Navigation Canal Lock FS
Morgan City Auditorium
728 Myrtle St.
Morgan City, LA 70380



Currently Available for Public Review

- **IER Supplemental 7 – New Orleans East Lakefront to Michoud Canal, Orleans Parish, LA**
 - Public review period: Thursday, Mar. 25, 2010 to Friday, Apr. 23, 2010
- **IER 24 – Stockpile Areas, St. Charles and St. John the Baptist Parish, LA**
 - Public review period: Friday, Mar. 26, 2010 to Saturday, Apr. 24, 2010



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
- Construction Impact Hotline: **1- 877- 427- 0345**
- Comments can be submitted at any time at
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

NOLA Environmental
NEW ORLEANS, LOUISIANA
Environmental Compliance Data Bank
www.nolaenvironmental.gov

PROJECTS | MEETINGS | LIBRARY | DATA VIEWER | GET INVOLVED | RELATED LINKS

Welcome to NOLA Environmental! This site has been set up to share with the public the efforts being made by the U.S. Army Corps of Engineers and other federal and state agencies in south Louisiana regarding the environmental compliance for proposed federal and state Hurricane Risk Reduction Projects. Additional information pertaining to other federal and state agencies' hurricane recovery efforts in southeast Louisiana will also be posted on the site as it becomes available.

The U.S. Army Corps of Engineers, Mississippi Valley Division, New Orleans District implemented Alternative Arrangements on March 13, 2007 under the provisions of the Council on Environmental Quality Regulations for implementing the National Environmental Policy Act (40 CFR §1506.11). Learn more...

Announcements

- Draft [IER 7 Public Comment Period](#) 5/6 - 6/4
- Draft [IER 13 Comment Period](#) extended to 5/18
- Draft [IER 5 Public Comment Period](#) 5/4 - 6/3
- Draft [IER 16 Public Comment Period](#) 5/1 - 5/30
- Draft [IER 6 Public Comment Period](#) 4/24 - 5/23
- [IER 6 - The Clean Water Act Section 404 Public Notice Comment Period](#) 4/24 - 5/23
- [Orleans Parish Pump Station Stormproofing EA #474 Drafts Public Comment Period](#) 4/17 - 5/23
- [Jefferson Parish Pump Station Stormproofing EA #475 Drafts Public Comment Period](#) 4/14 - 5/20
- Draft [IER 10 Public Comment Period](#) 4/13 - 5/12

[More...](#)

Upcoming

- [05/11/2009 - Public Meeting \(IER 8, 9, 10 and borrow\)](#)
- [05/17/2009 - Draft IER 10 Public Comment Period Ends](#)

[More...](#)

Newly Available

NEW NOLA Environmental Basic Data Viewer

- [News Release 06 May 09 Draft IER 5](#)
- [IER 5 - Phase 2 Final Report: Operating Scenario Analysis](#)

[More...](#)

FEATURED PROJECT

USACE-MVN Emergency Alternative Arrangements
Greater New Orleans
Hurricane and Storm Damage
Risk Reduction System Projects

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

U.S. Army Corps of Engineers New Orleans District - Microsoft Internet Explorer, provided by USACE, New Orleans District

US Army Corps of Engineers
New Orleans District

Search

Floodwall

Building Micro-Sipper, stronger, better
The U.S. Army Corps of Engineers is working to more speedily to complete the Hurricane and Storm Damage Risk Reduction System (HSDRRS) by 2015. To this end, the Corps is using valuable lessons learned to construct more resilient levees and floodwalls.

[Go to page 1 of 1](#)

PUBLIC INFORMATION

Hazardous & High Risk Reduction
[LEAD: more about what the Corps is doing to reduce risk, HARBOR](#)

Emergency Information
[Food Storage](#), [Disaster Response](#), [Public Information](#) and [More...](#)

NOLA Environmental
Did you miss a meeting? No problem! Find presentations, summaries and [More...](#)

TOP HEADLINES

[Document confirms action on Waterway? Harbors](#)

ASK THE CORPS

The Corps wants to hear from you!
Do you have information on the closing of Industrial Locks on August 1, 2009 for 60 days?
A: Yes, for information regarding the August 1st closing of the lower Harbor Navigation Canal Lock, please email ask@usace.army.mil.
Submit questions or comments to ask@usace.army.mil

FEATURED VIDEOS

Meet Closure Complex
Learn more about the alternative under consideration to reduce risk on the Waterway. [Watch it.](#)

Hazardous & High Risk Reduction System
From levees to pumping stations, [find out more](#) about system features.

Home | Contact Us | Search | DM
USACE | US Army | USACE

Home | Disclaimer | Public Inquiry | Privacy and Security | FOIA | Information Quality Act | Accessibility





US Army Corps
of Engineers
New Orleans District

Social Web Networking Communities

and what they mean to you

twitter



is an online messaging and social networking system that allows people to share their daily life experiences minute-by-minute, hour-by-hour, and/or day-by-day via their computer or mobile phone. Team New Orleans is joining in and taking on the opportunity to tweet with the public and offer reports on developments, additions, changes, and upcoming public meetings and events that will affect local communities. Check it out by going to twitter.com/teamneworleans.

Flickr is an online community platform for global photo management and sharing applications via the web. Team New Orleans has become a part of the movement and is using Flickr to visually explain our projects.

Check out our photos at www.flickr.com/photos/37671998@N05.

flickr



facebook

is a global social networking Web site that links people from across the world and is currently ranked as the most popular of its kind. Team New Orleans is following in the trend and is using Facebook to update the

public about projects, events, activities and public meetings.

Become friends with Team New Orleans by visiting www.facebook.com, search New Orleans District.



Visit the following links to follow us on Facebook, Twitter and Flickr:

<http://www.facebook.com/people/New-Orleans-District/100000017439096>

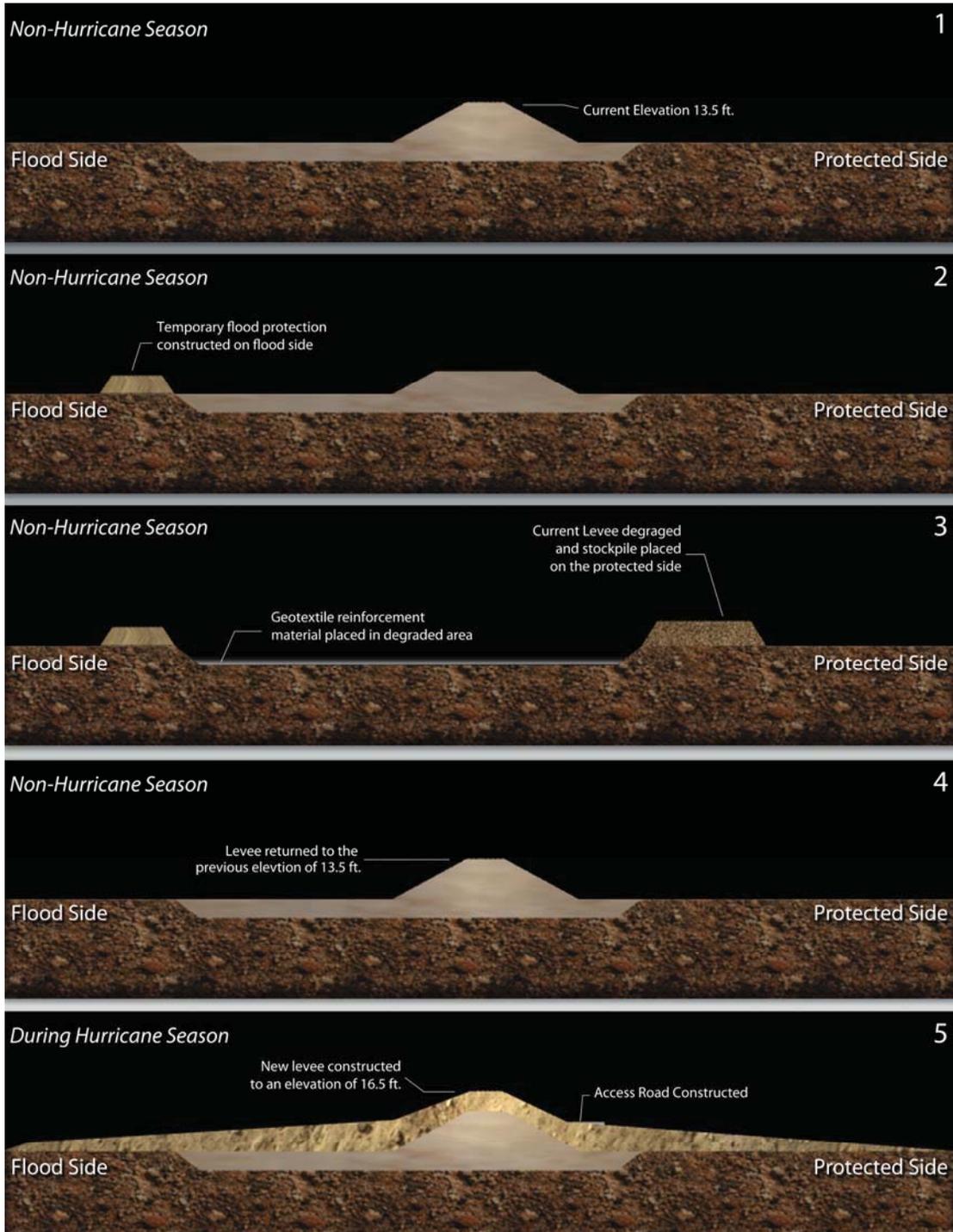
<http://twitter.com/teamneworleans>

<http://www.flickr.com/photos/37671998@N05>



Discussion





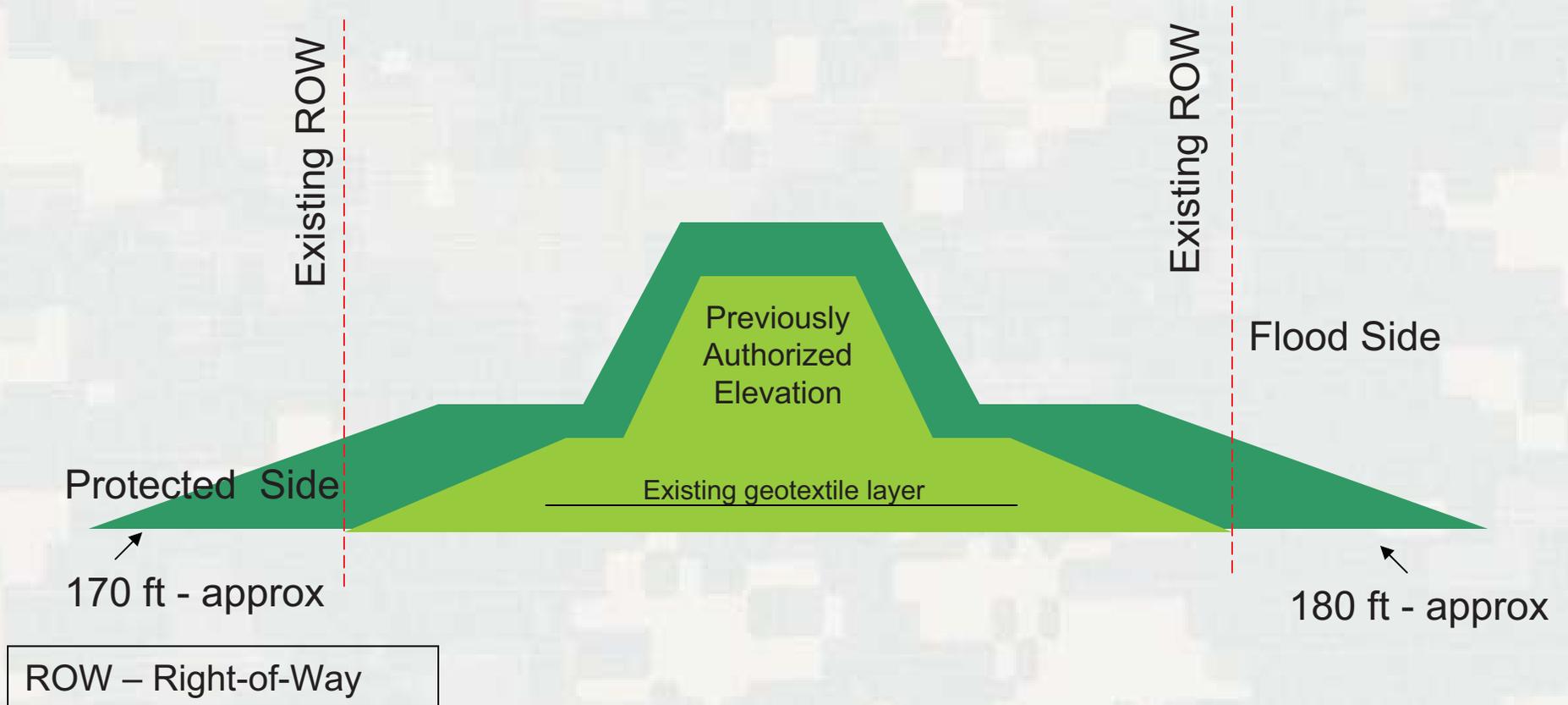
St. Charles Parish Risk Reduction Project

Levee Profile



BUILDING STRONG®

St. Charles 100-yr Risk Reduction Plan







Close-up of the geotextile material



Levee Degradation

- During Non-Hurricane Season temporary flood protection will be constructed on the flood side of the system
- The existing levee will be degraded and material will be stored on the protected side of the system



Degrading Existing Levee



Geotextile Material



The material is used to strengthen the levee within the original footprint