

Greater New Orleans Hurricane & Storm Damage Risk Reduction System

New Orleans East

Construction Update

January 26, 2010

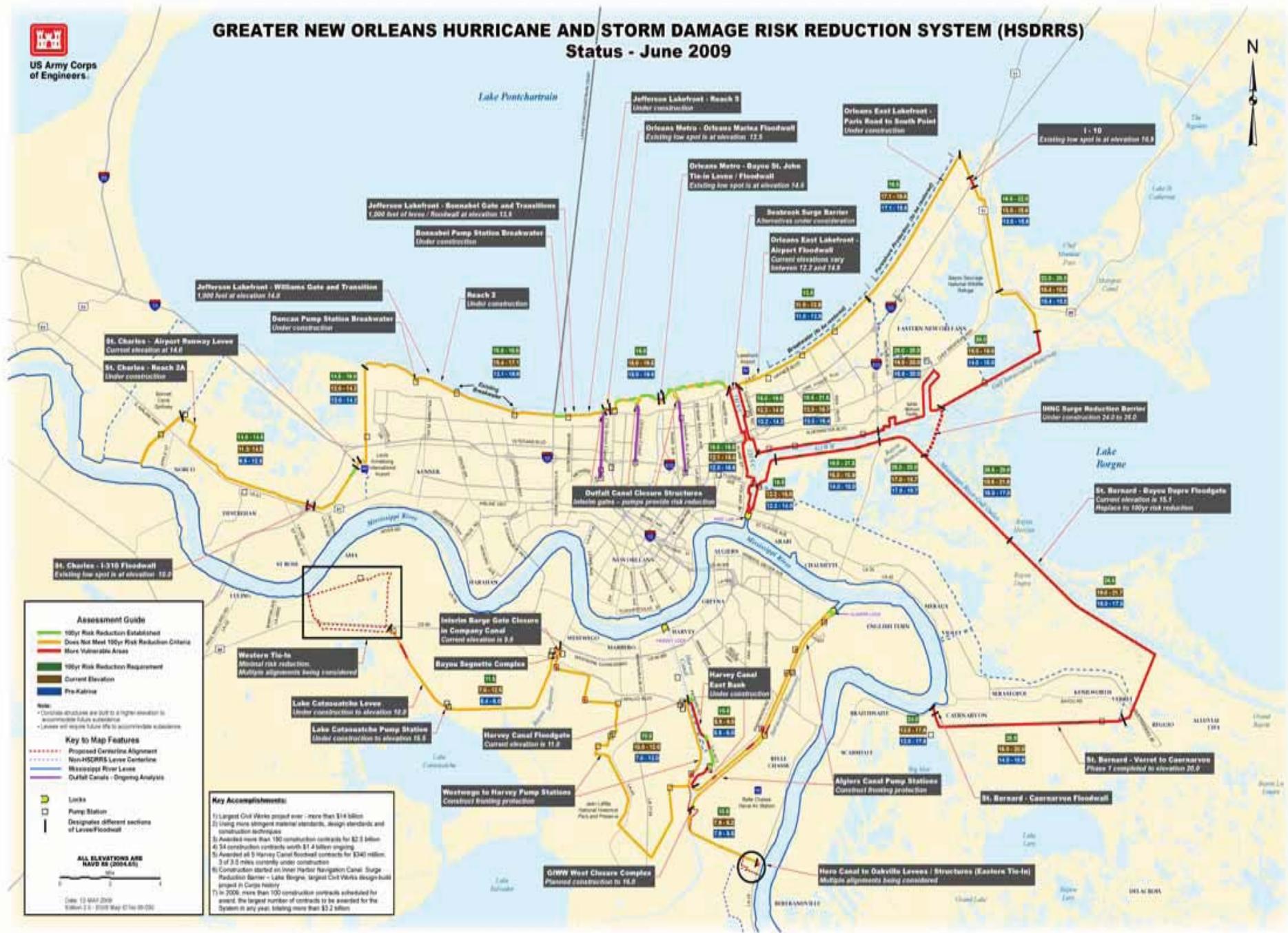


US Army Corps of Engineers
BUILDING STRONG®





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



Assessment Guide

- 100yr Risk Reduction Established
- Does Not Meet 100yr Risk Reduction Criteria
- More Vulnerable Areas
- 100yr Risk Reduction Requirement
- Current Elevation
- Pre-Kalene

Note:

- Current elevations are due to a higher resolution to accommodate future subsidence
- Levees will require future lifts to accommodate subsidence

Key to Map Features

- Proposed Centerline Alignment
- Non-HSDRRS Levee Centerline
- Mississippi River Levee
- Outfall Canals - Ongoing Analysis

Locks

- Locks
- Pump Station
- Designates different sections of Levee/Floodwall

ALL ELEVATIONS ARE NAVD 83 (2011.6)

Date: 13 MAR 2009
Scale: 1:50,000 Map 07160-00-020

Key Accomplishments:

- 1) Largest Civil Works project ever - more than \$14 billion
- 2) Using more stringent material standards, design standards and construction techniques
- 3) Awarded more than 100 construction contracts for \$2.5 billion
- 4) 54 construction contracts worth \$1.4 billion ongoing
- 5) Awarded all 5 Harvey Canal floodwall contracts for \$340 million
- 6) 3 of 3.5 miles currently under construction
- 7) Construction started on lower section Navigation Canal Surge Reduction Barrier - Lake Borgne, largest Civil Works design built project in Corps history
- 8) In 2009, more than 100 construction contracts scheduled for award, the largest number of contracts to be awarded for the System in any year, totaling more than \$3.2 billion

HPO “Final Fifteen” Contract Award Schedule

(Last 15 miles of the East Bank System - Orleans and St. Bernard Parishes)

Orleans Metro (Main Supporting District MVS)

1. LPV 103.01A2 (Scheduled Award Date: 04/10)
2. ~~LPV 104.02 (Scheduled Award Date: 01/10)~~ **(Awarded)**
3. Permanent Pump Stations (Scheduled RFP Date: 01/10) **(Main Supporting District NWP)**

Orleans East (Main Supporting District MVM)

4. ~~LPV 105.01 (Scheduled Award Date: 01/10)~~ **(Advertised)**
5. LPV 105.02 (Scheduled Award Date: 01/10)
6. LPV 106 (Scheduled Award Date: 01/10)
7. LPV 107 (Scheduled Award Date: 01/10)
8. ~~LPV 109.02a (Scheduled Award Date: 01/10)~~ **(Advertised)**
9. LPV 109.02b (Scheduled Award Date: 01/10)
10. ~~LPV 109.02c (Scheduled Award Date: 04/10)~~ **(Advertised)**
11. ~~LPV 110 (Scheduled Award Date: 01/10)~~ **(Advertised)**

St. Bernard (Main Supporting District MVP)

12. ~~LPV 144 (Scheduled Award Date: 01/10)~~ **(Awarded)**
13. ~~LPV 147 (Scheduled Award Date: 01/10)~~ **(Advertised)**
14. LPV 149 (Scheduled Award Date: 04/10) **Plaquemines Parish**

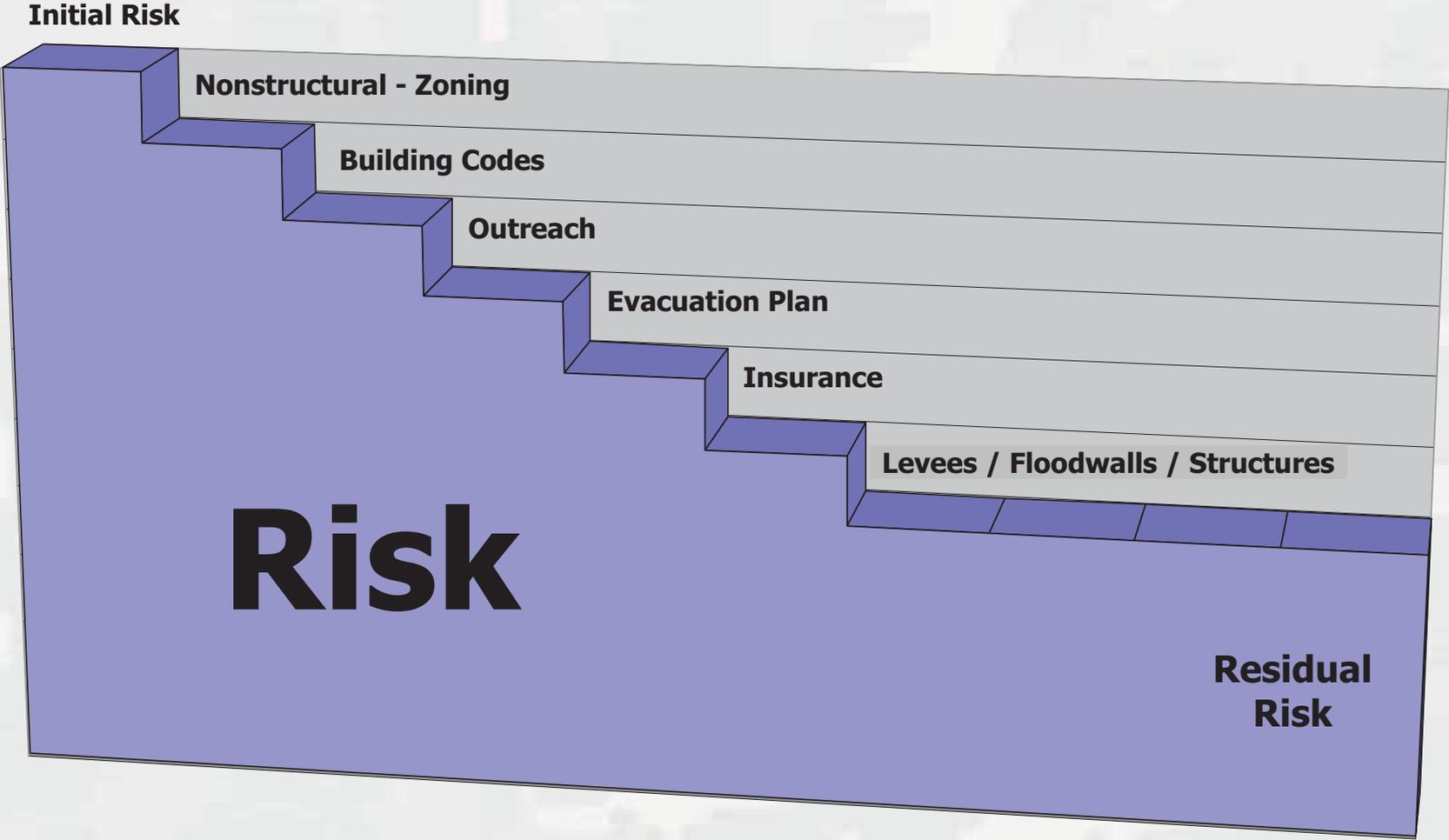
Inner-Harbor Navigation Canal (IHNC)

15. *Seabrook Gate (ECI Award Date: 10/09) (Contract Protested)*

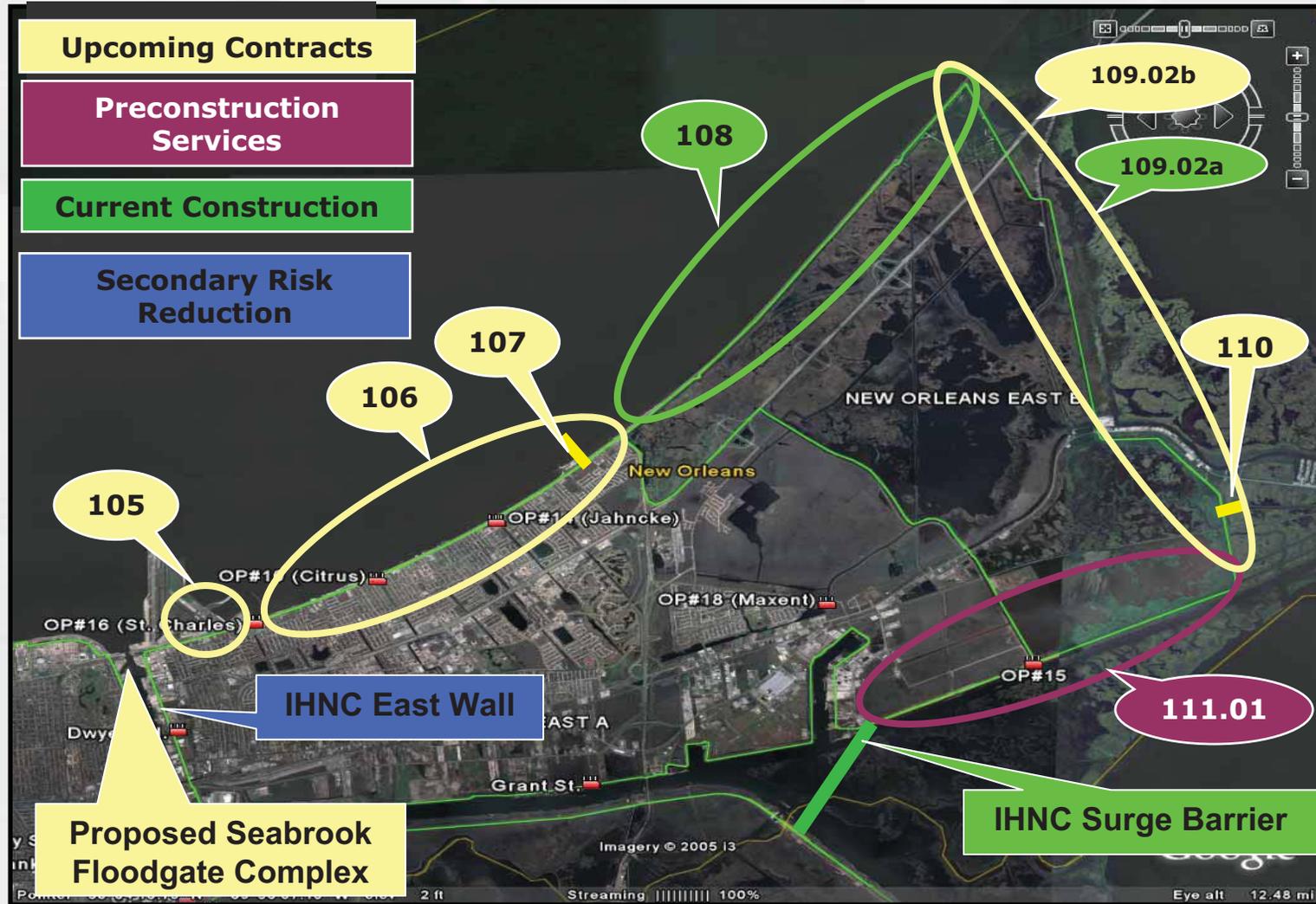
Italics indicates current schedule shows post 1 June 2011 completion



Risk – Shared Responsibility



New Orleans East Risk Reduction Projects



Inner Harbor Navigation Canal Surge Barrier

Under Construction – 50% complete

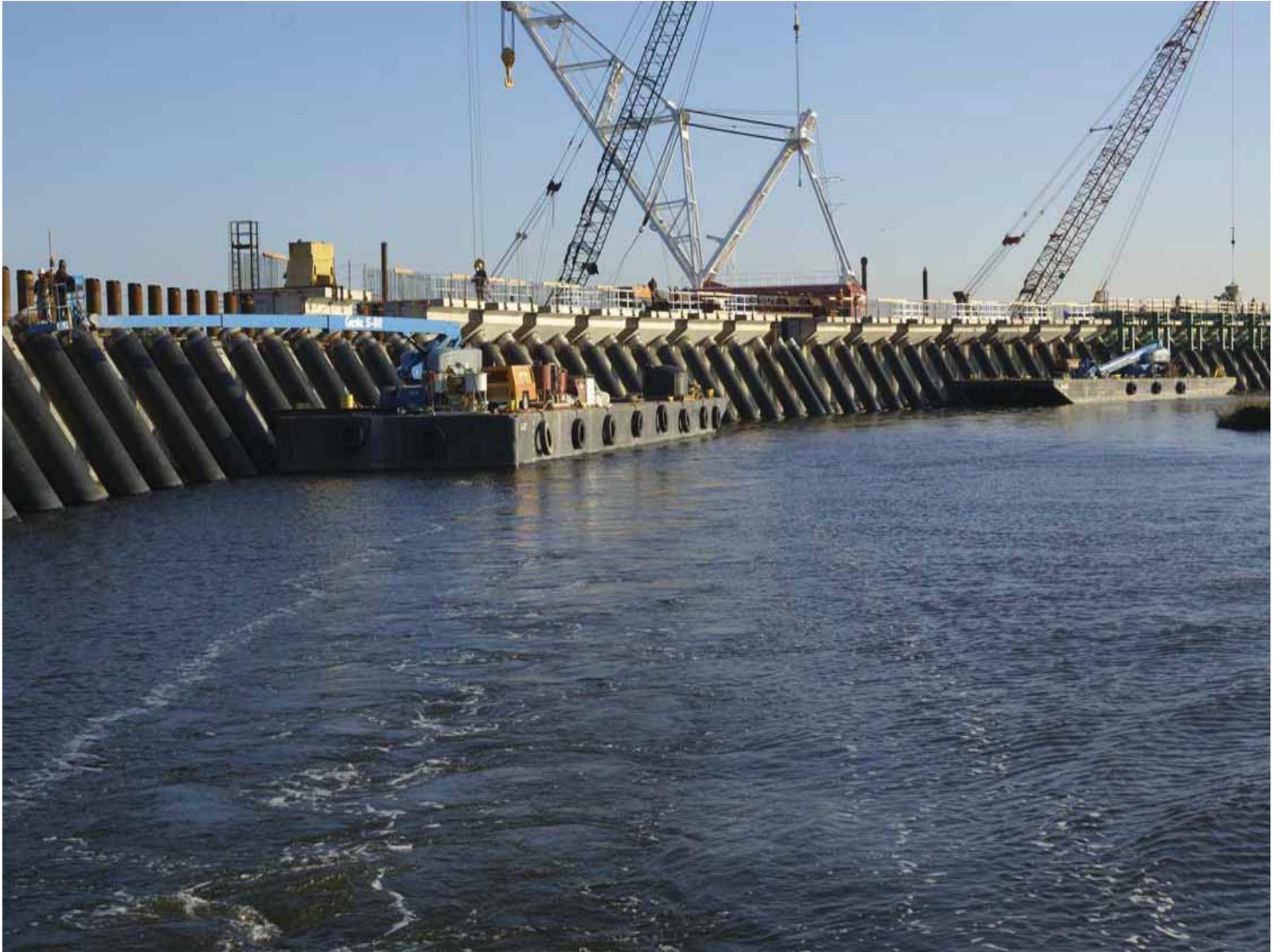


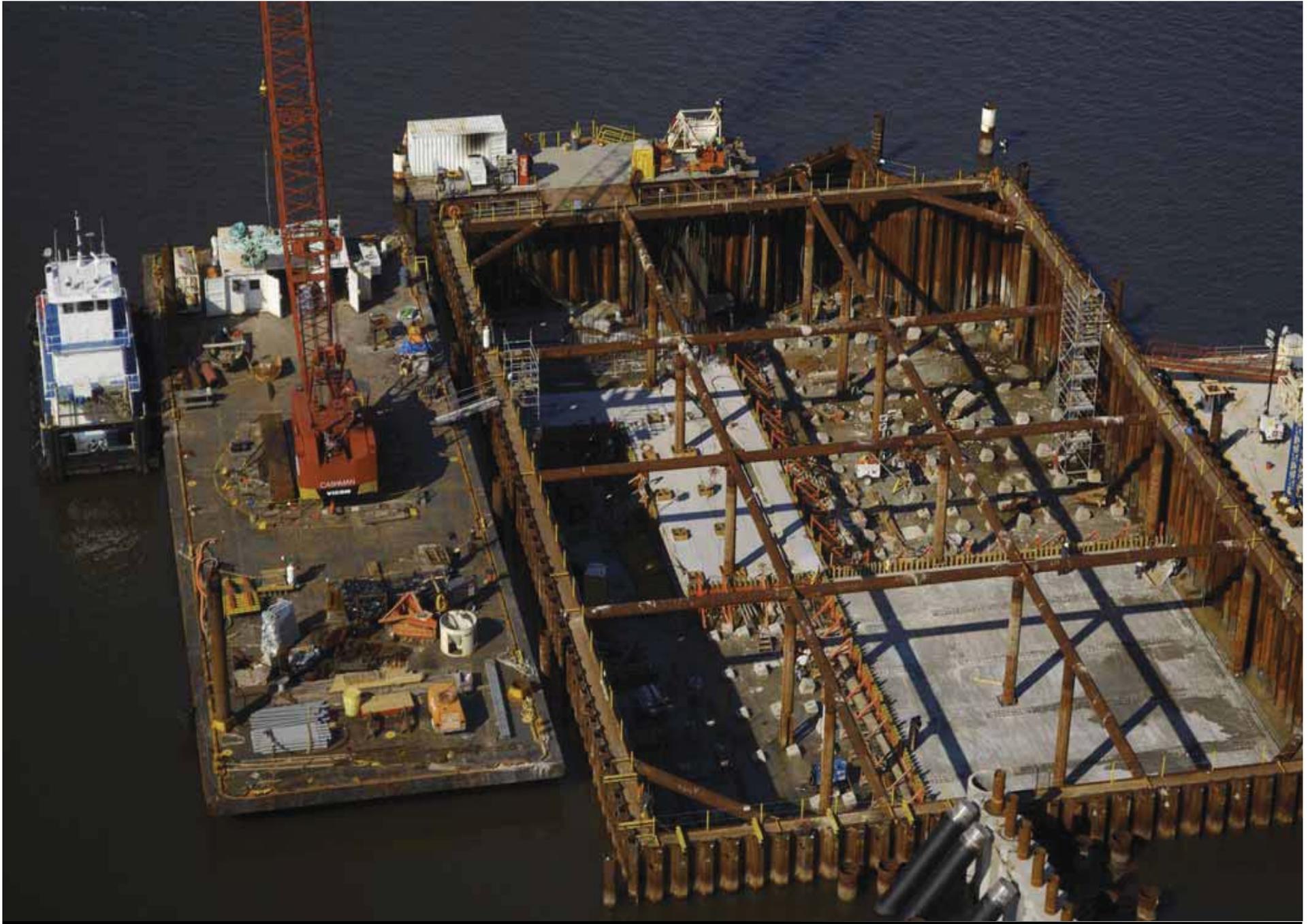
- The IHNC Lake Borgne Surge Barrier project was the first construction contract awarded for the 1 percent storm damage risk reduction system.
- At over \$1 billion, this is the largest civil works Design-Build project in Corps history.
- The IHNC Lake Borgne Surge Barrier contract awarded to Shaw Environmental & Infrastructure, Inc., on Apr. 4, 2008.
- Began driving 1,271 (1.8 miles) 66-inch spun cast piles on May 9, 2009; completed on Oct. 21, 2009.











LPV 111.01: CSX RR to Michoud Canal



Project Description

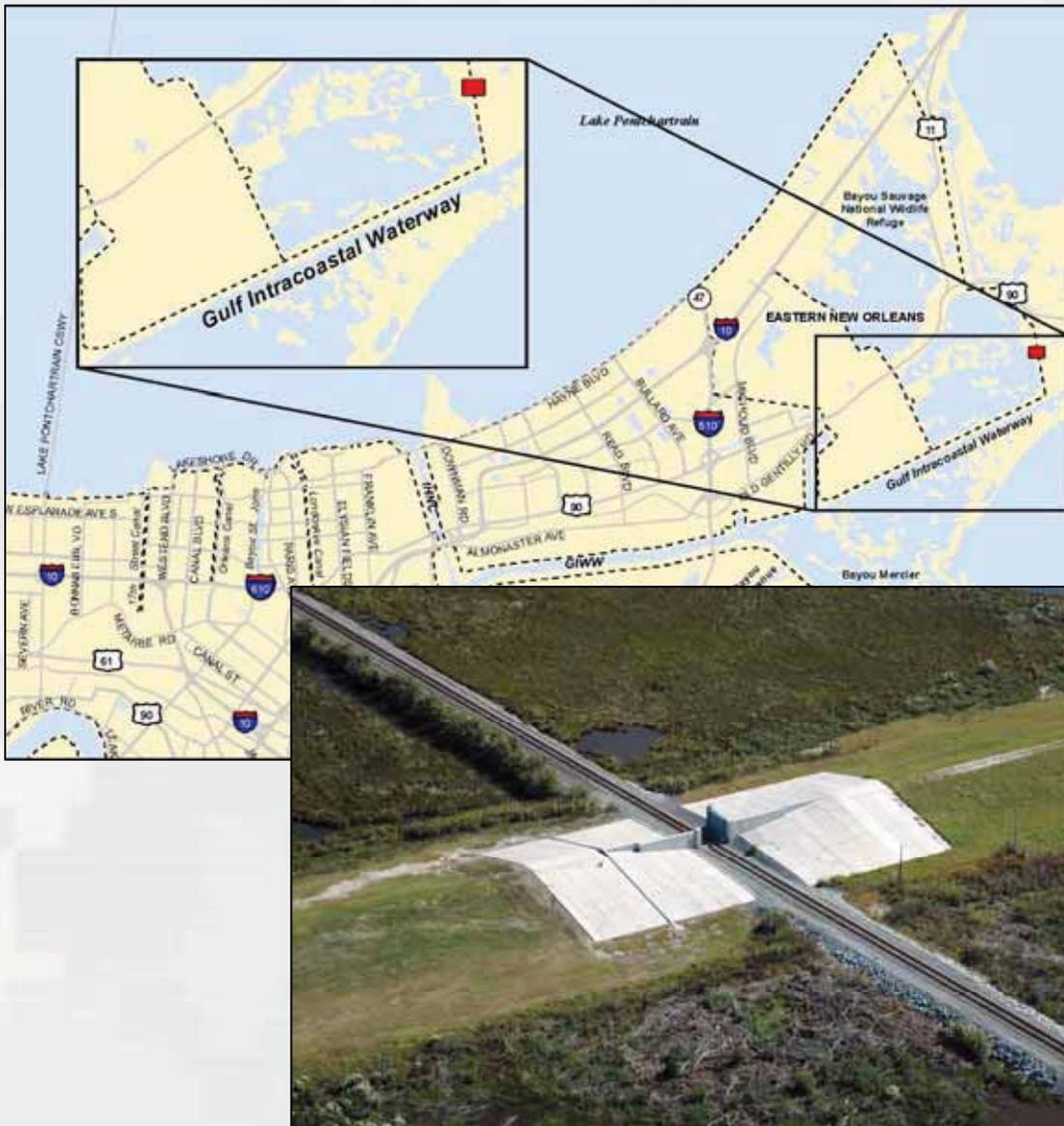
- Raise existing levee
 - Existing elevation: 19' to 19.5'
 - Future elevation: 24' to 27.5'
- Replace and raise existing floodwall at PS 15 to 30.5'



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LPV 110: CSX Railroad Gate



Project Description

- Construct new T-wall & gate with an alignment shift
 - Existing elevation: 20'
 - Future elevation: 27.5'

Next Steps

- Project Agreement

**Currently Advertised
Award: Feb. 12, 2010**



LPV 109.02a: South Point to CSX Railroad

Phase I: Sand Drainage Blanket

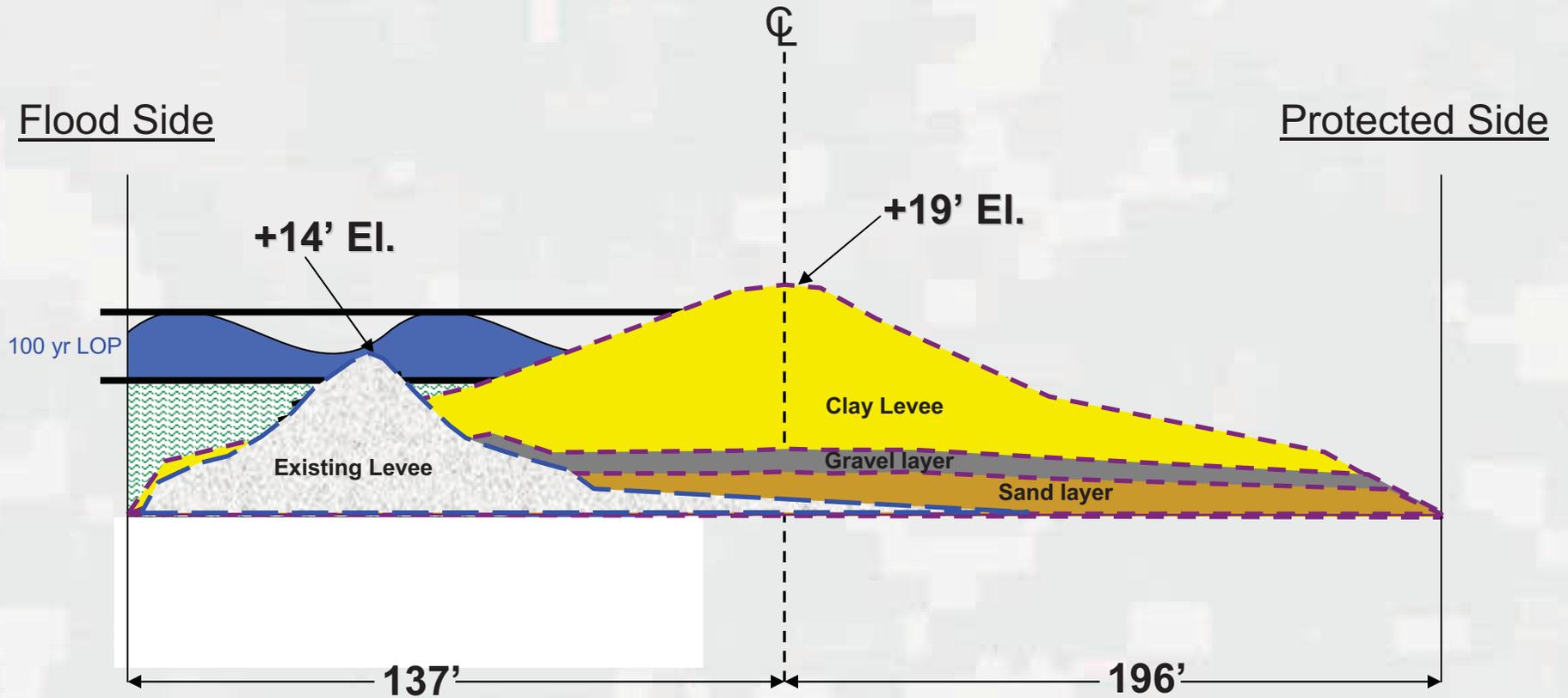
Phase II: Borrow Supply Contract

Phase III: Levee Construction & Highway Crossings



LPV 109.02a: South Point to CSX Railroad

(not to scale)



**Levee Enlargement
Between I-10 and US-90
New Orleans East**



LPV 109.02a: South Point to CSX Railroad

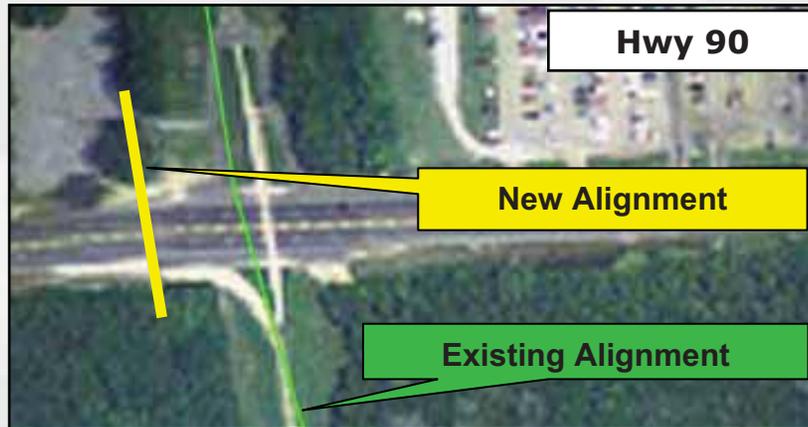


Project Description

- Phase I – *Under Construction*
Reinforcing levee with high strength geotextiles and sand drainage blanket
- Phase II – Borrow Supply contract awarded on Dec. 4, 2009



LPV 109.02a: South Point to CSX Railroad - Phase III



Project Description

- Raise levee to 16.5' - 28' utilizing wick drains
- Highway 11: Construct a 50' wide gate with an alignment shift that ties into 109.02a levee system
- Highway 90: Construct two 38' wide gates with an alignment shift that ties into the 109.02a levee system

Next Steps

- Construction Permit

**Currently Advertised
Award: Feb. 25, 2010**



LPV 109.02b: I-10 Crossing



Project Description

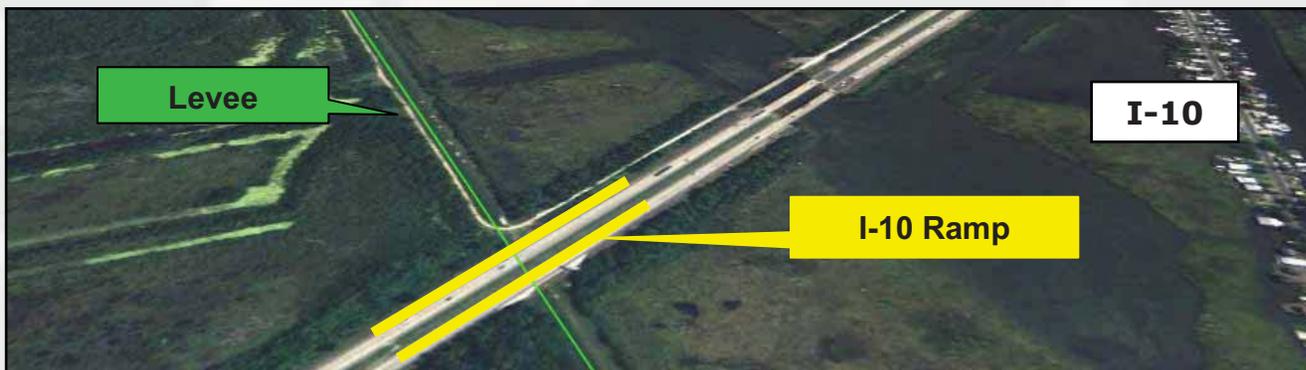
- Raise existing ramp to 16.5'
- Tie in to the existing 109.02a levee system

Next Steps

- Project Agreement for relocation of I-10

Advertise: Feb. 19, 2010

Award: March 26, 2010



LPV 108: Paris Road to South Point *Under Construction – 85% complete*



Project Description

- Raising 33,100 feet (more than 6 miles) of levee to between 18.5' to 19.5'
100% complete
- Adding new floodwall at Collins Pipeline
80% complete





LPV 107: Lincoln Beach Floodwall & Gate



Project Description

- Replace existing I-wall with T-wall to 15.5'
- Construct new floodgate to 15.5'

Next Steps

- Right of Entry
- Construction Permits

Advertise: Feb. 4, 2010

Award: March 15, 2010



LPV 106: Citrus Levee



Project Description

- Place 2 foot wall on existing levee to 14.5'
- Flood protection improvements at Citrus and Jahncke Pump Stations

Next Steps

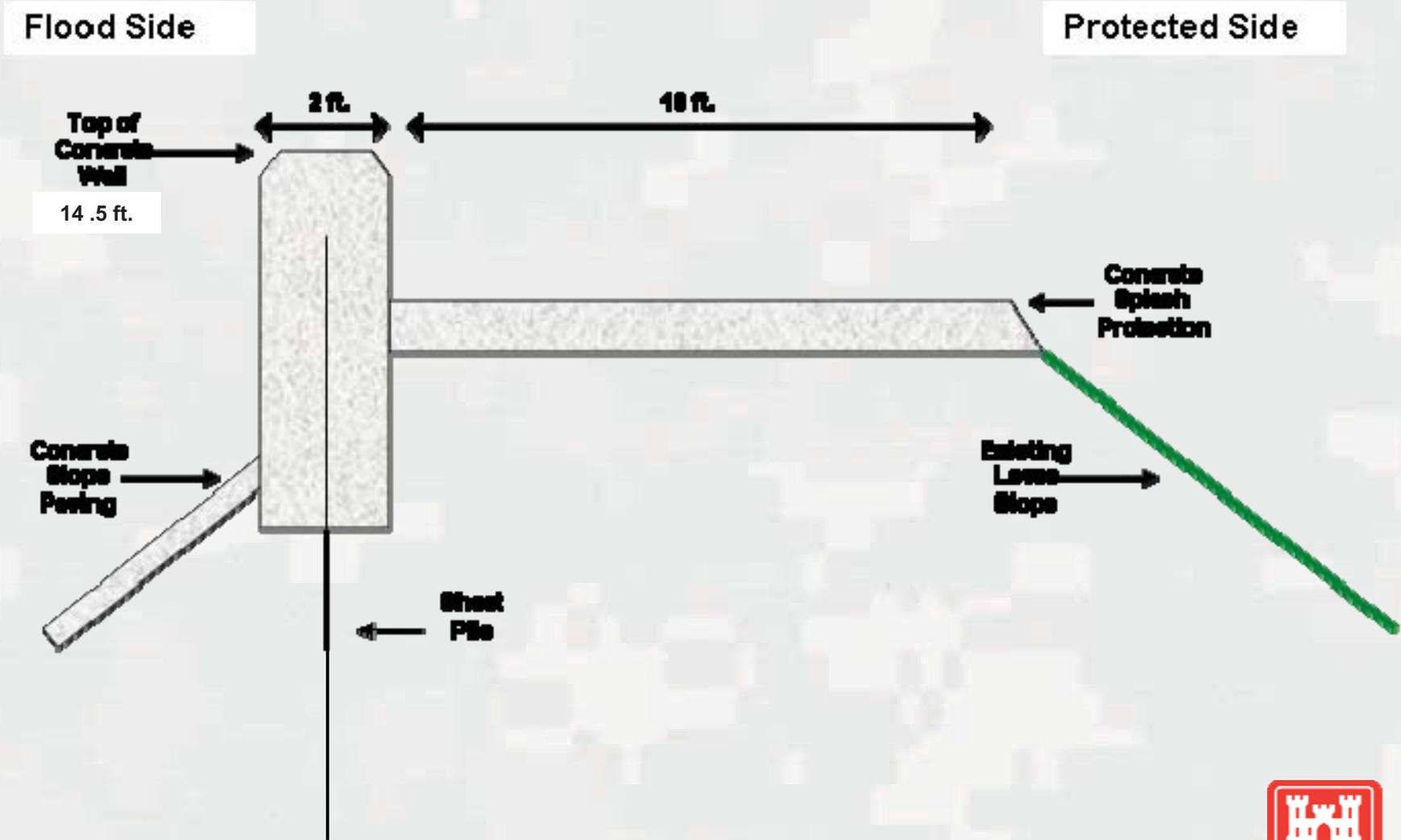
- Right of Entry
- Construction Permit

Advertise: Feb. 1, 2010
Award: March 15, 2010

**Steel Supply
Contract Awarded
on Dec. 18, 2009**



Conceptual Drawing - Floodwall



LPV 105.02: Lakefront Airport - East



Project Description

- Replace existing floodwall to 15.5'
- Place 2 foot wall on levee to 15.5'

Next Steps

- Utilities Relocation
- Rights of Entry
- Construction Permit

Advertise: Feb. 12, 2010
Award: March 15, 2010

**Steel Supply
Contract Awarded
on Dec. 18, 2009**



LPV 105.01: Lakefront Airport - West



Project Description

- Replace existing floodwall to 15.5'
- Construct two 32' wide floodgates across Downman Rd.

Next Steps

- Rights of Entry
- Construction Permit

**Currently Advertised
Award: Feb. 26, 2010**



Inner Harbor Navigation Canal - Seabrook



Proposed Action

- Construct a sector gate and two vertical lift gates 540' south of the Senator Ted Hickey (Seabrook) Bridge

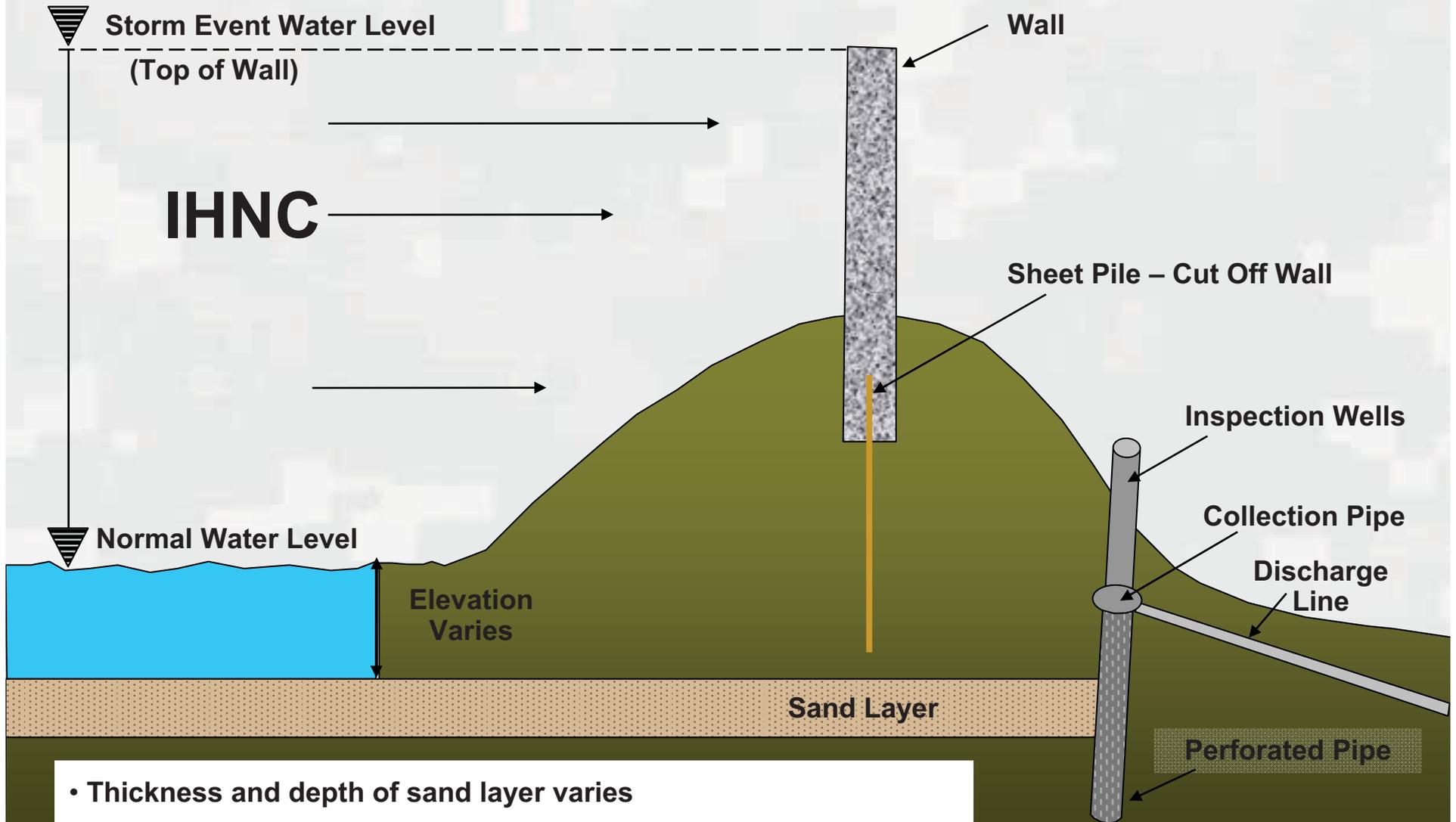
Next Steps

- NEPA
- Design
- Real Estate
- RR Agreement



Relief Wells

Drawing is not to scale



Secondary Risk Reduction Inner Harbor Navigation Canal East Wall

Phase I Relief Wells (100% complete)



Phase II Sheet Piles (Contract awarded in Dec. 2009)



What To Expect During Construction

- **Construction impacts**
 - ▶ Elevated noise levels from motors, pumps, generators, pile driving, etc.
 - ▶ Increased truck traffic (trucks will utilize approved haul routes)
 - ▶ Road access will be limited at times
 - ▶ Extended work hours (6 days per week of pile driving up to 12 hours per day)

- **Corps' efforts to minimize impacts**
 - ▶ Roads will be watered (to minimize dust)
 - ▶ Working with Department of Public Works on road closures



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



Upcoming Public Meetings

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

Thursday, Jan. 28, 2010

West Return Floodwall Construction
Kenner City Pavilion
3800 E. Loyola Ave.
Kenner, LA 70065

Tuesday, Feb. 23, 2010

Coastal Restoration Town Hall Meeting
Lake Charles Civic Center
900 Lakeshore Dr.
Lake Charles, LA 70601

Thursday, Feb. 2, 2010

Harvey to Westwego Levee
Visitation of Our Lady School
3520 Ames Blvd.
Marrero, LA 70072

Wednesday, Feb. 24, 2010

Coastal Restoration Town Hall Meeting
St. Mary Parish AARP Building
4014 Chennault St.
Morgan City, LA 70380

Monday, Feb. 22, 2010

Violet Freshwater Diversion Neighborhood Meeting
W. Smith Elementary School
6701 E. St. Bernard Hwy
Violet, LA 70092

Thursday, Feb. 25, 2010

Coastal Restoration Town Hall Meeting
Jefferson Parish Westbank Council Chambers
200 Derbigny St.
Gretna, LA 70053



Currently Available for Public Review

- **IER 11 Tier 2 Pontchartrain**

- ▶ Public review period extended and will close at midnight on Jan. 27, 2010

- **IER Supplemental 14.a**

- ▶ Public review period extended and will close at midnight on Feb. 4, 2010



Web-based Resources

www.nolaenvironmental.gov

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

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 30](#) Public Comment Period 8/14 - 9/12
- [Federal Register Notice](#) of EPA's Modification of the 1985 Clean Water Act Section 404(c) Final Determination for Bayou aux Carpes is now available (7/28)
- [East Baton Rouge EA #431 Drafts Public Comment](#) Period 7/22 - 8/20
- Draft [IER 29](#) Public Comment Period 7/22 - 8/20
- The Decision Record for [IER 5](#) has been signed by the District Commander (June 30, 2009)
- The Decision Record for [IER 1](#) has been signed by the District Commander (June 29, 2009)

[More...](#)

Upcoming

- 09/12/2009 - Public Meeting (Plaquemines Parish Federal Levees (St. Jude to Venice))
- 09/12/2009 - Public Meeting (Plaquemines Parish Federal Levees (St. Jude to Venice))

[More...](#)

Newly Available

NEW >> [NOLA Environmental Basic Data Viewer](#)

- 03 Sept 09 Public Meeting Presentation Plaquemines Parish Pump Stations; GIWW West Closure Complex
- News Release 02 September 09 Corps to discuss upcoming Belle Chasse construction

[More...](#)

FEATURED PROJECT

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

ABOUT US SERVICES BUSINESS CAREERS REFERENCES PRESS ROOM CONTACT US LINKS

US Army Corps of Engineers
Team New Orleans
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Google Custom Search Search

Pump Stations

Operating an improved system. Pumping plays a critical role in preventing flooding from any significant rainfall event. The Corps ensures that pumps are outfitted to remain operable during and after future storm events.

[Get the full story >>](#)

PUBLIC INFORMATION

6 Hurricane & Storm Damage Risk Reduction
[How the Corps is reducing risk >>](#)

Public Meetings
[8/26/09 - New Orleans, LA >>](#)
[8/31/09 - New Orleans, LA >>](#)
[9/2/09 - New Orleans, LA >>](#)

[Pre-Proposal Conference - 8/14/09 >>](#)

[Building a Stronger Corps - A Snapshot of How the Corps is Applying Lessons Learned from Katrina >>](#)

[NOLA Environmental find meeting presentations & more >>](#)

TOP HEADLINES **ASK THE CORPS** **FEATURED VIDEOS**

The Corps wants to hear from you!

Q. Where can I find information related to bidding on contracts advertised by the Corps?

A. For more information on Corps contracts and registering your business, please click here.

Submit questions or comments to askthecorps@usace.army.mil.

[Corps revises London Ave. Outfall Canal ICS operating procedures](#)
Released: 08/26/09 07:00:00

RSS (What is RSS?)

Last updated 09/09/2009 [DISCLAIMER](#) [PUBLIC INQUIRIES](#) [PRIVACY AND SECURITY](#) [FOIA](#) [INFORMATION QUALITY ACT](#) [ACCESSIBILITY](#)

CONSTRUCTION IMPACTS HOTLINE
877-427-0345



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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>



Public Meeting Ground Rules

- **Speaker Request Cards are available at the sign-in tables**
- **Speakers will be called upon to speak in the order their request card is received**
- **Speakers will have a maximum of 5 minutes to speak**
- **Speakers may not yield unused portions of their time to another speaker**

