

Greater New Orleans Hurricane & Storm Damage Risk Reduction System

Westbank Risk Reduction and Construction Impacts

Mar. 9, 2010
Visitation of Our Lady



US Army Corps of Engineers
BUILDING STRONG[®]

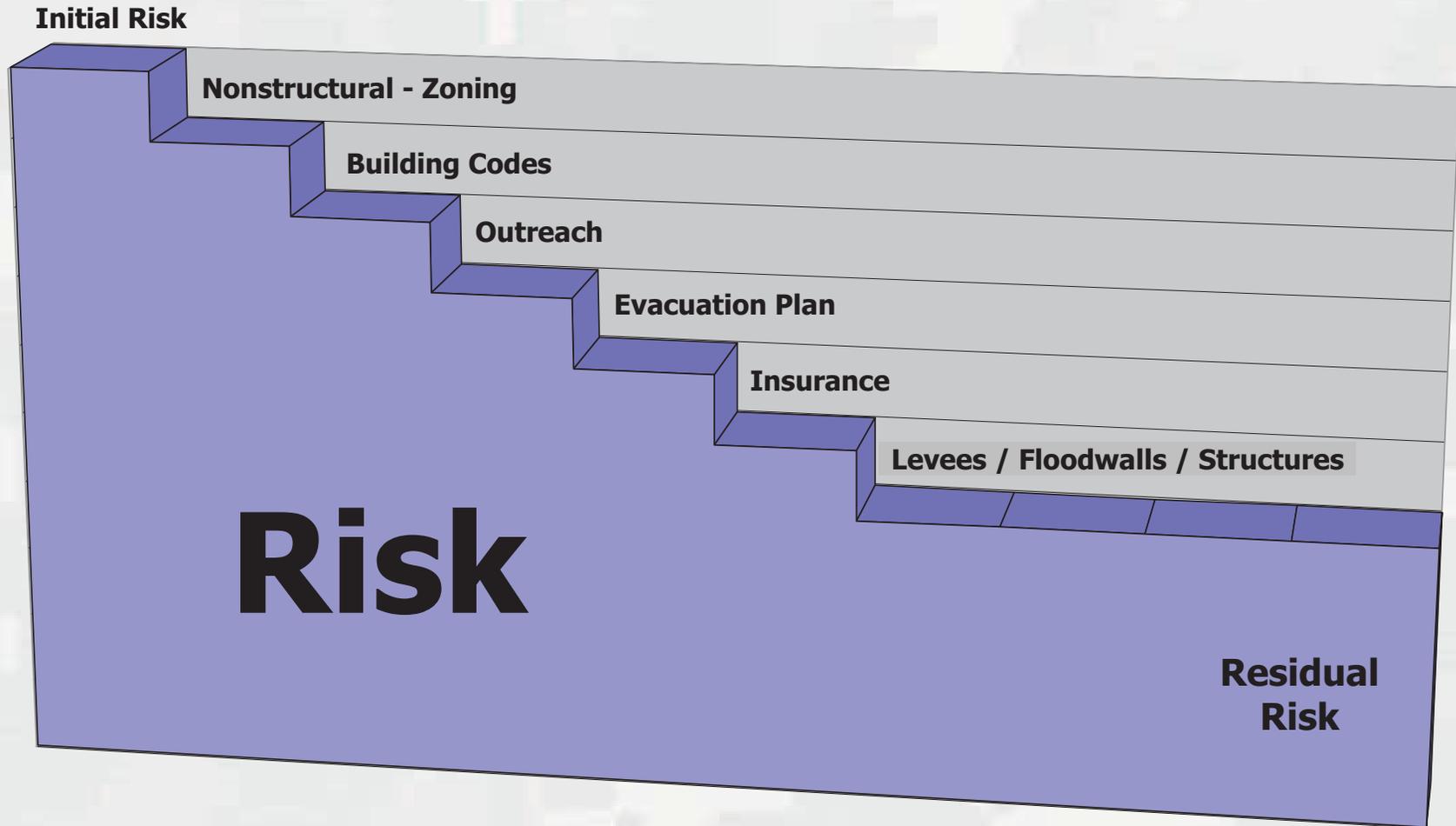


Meeting Purpose

- To discuss planned improvements to the Harvey to Westwego Levee
- To discuss planned improvements to the Ames and Mt. Kennedy pump stations
- To discuss overall construction impacts for the community
- Discussion

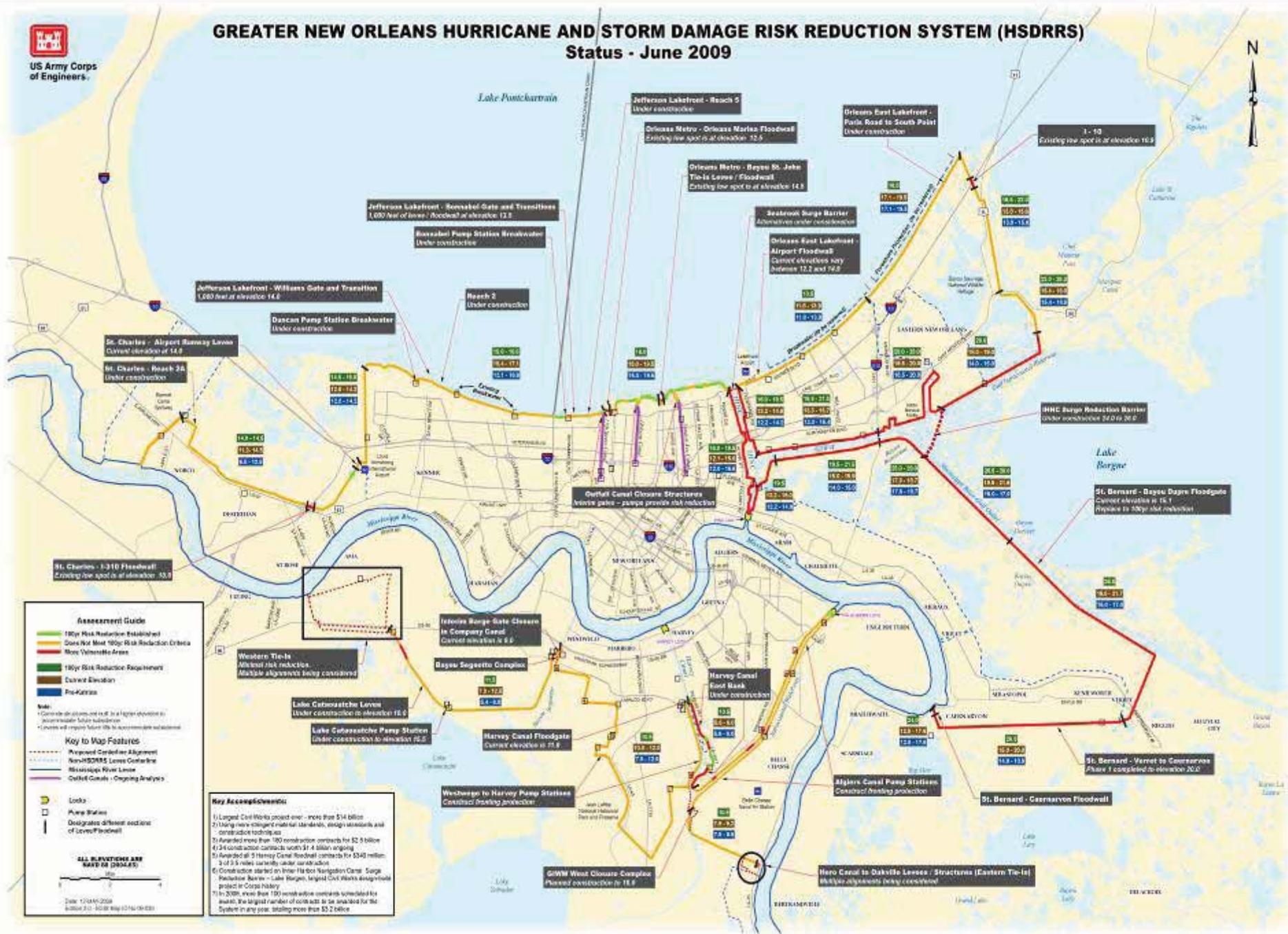


Risk – Shared Responsibility





GREATER NEW ORLEANS HURRICANE AND STORM DAMAGE RISK REDUCTION 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-Katrina

Note:
 1 Current elevations are not in a higher elevation to accommodate future subsidence
 2 Current elevations are not in a higher elevation to accommodate future subsidence

Key to Map Features

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

Legend:
 Locks
 Pump Station
 Designates different section of Levee/Floodwall

ALL SUBSTANCES ARE SAID TO BE SOLID

Date: 12/04/2008
 6:00:00 P.M. - 6:00:00 P.M. 12/04/08 08:00:00

Key Accomplishments:

- 1) Largest Civil Works project ever - more than \$14 billion
- 2) Largest levee program ever for standards design standards and construction techniques
- 3) Awarded more than 100 construction contracts for \$2.5 billion
- 4) 24 construction contracts worth \$1.4 billion ongoing
- 5) Awarded all 5 Harvey Canal Floodwall contracts for \$240 million
- 6) 3 of 5 miles awarded under construction
- 7) Construction started on Intra-Harbor Navigation Canal - Surge Protection Barrier - Lake Borgne, largest Civil Works design/contract project in Corps history
- 8) In 2008, 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 \$5.2 billion

Westbank and Vicinity Risk Reduction



- Current or approved alignments
- Proposed or recommended alignments
- Area of focus

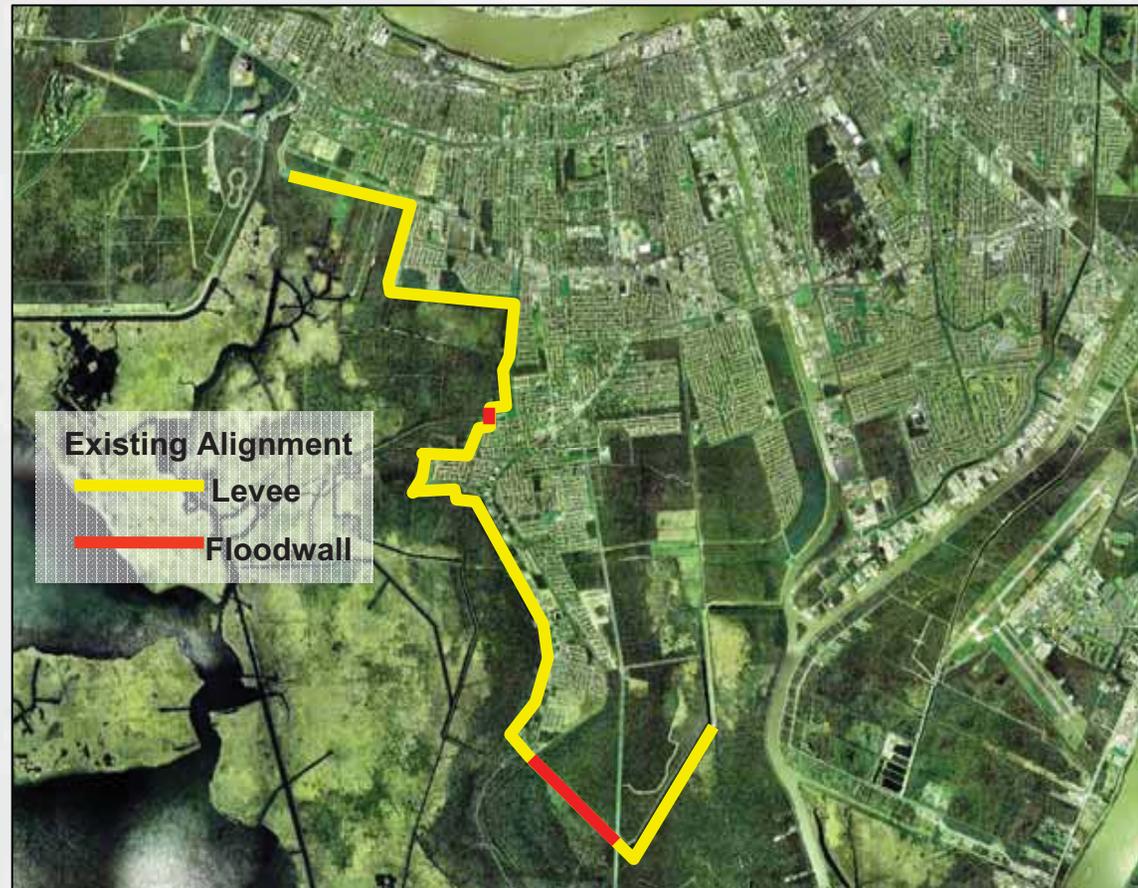


Harvey to Westwego Levees and Floodwalls

- Construction began Fall 2009
- Five of nine contracts in this area are under construction

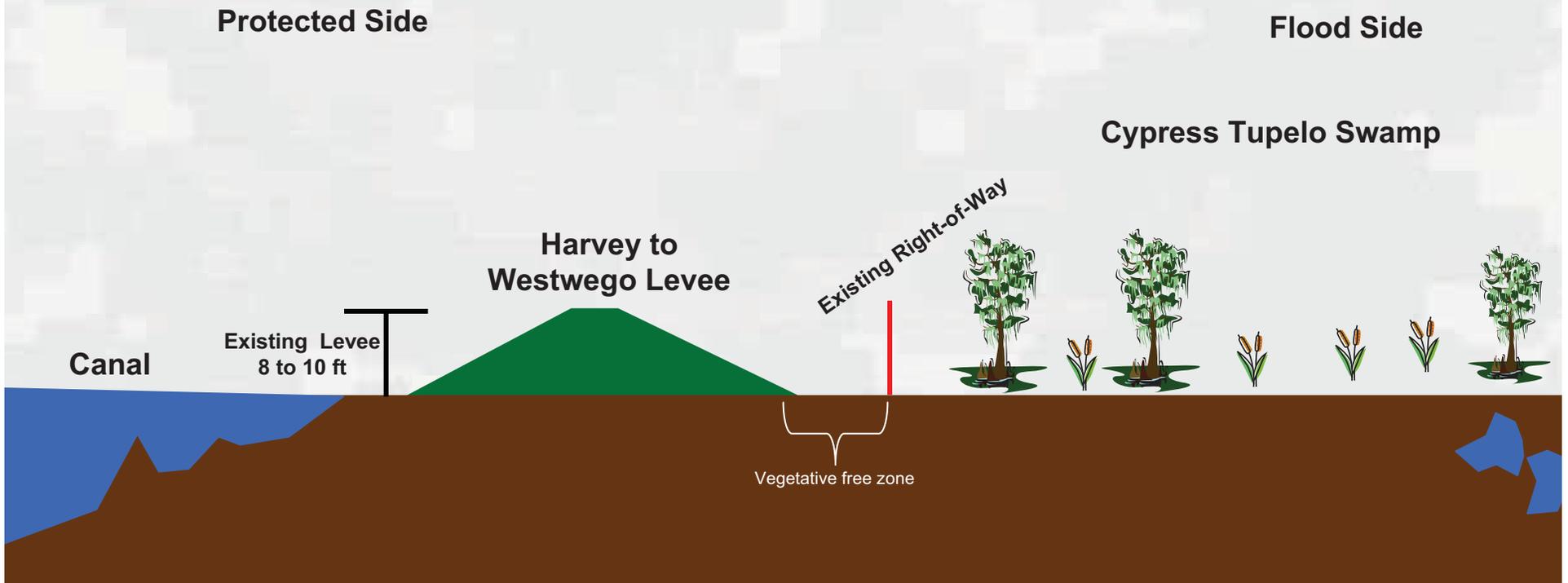
Plan is to:

- Raise earthen levees along the current alignment to elevation 10.5 ft
- Shift current earthen levee alignment to the floodside
- Replace existing I-walls with T-walls



Harvey to Westwego Levee

Existing landscape

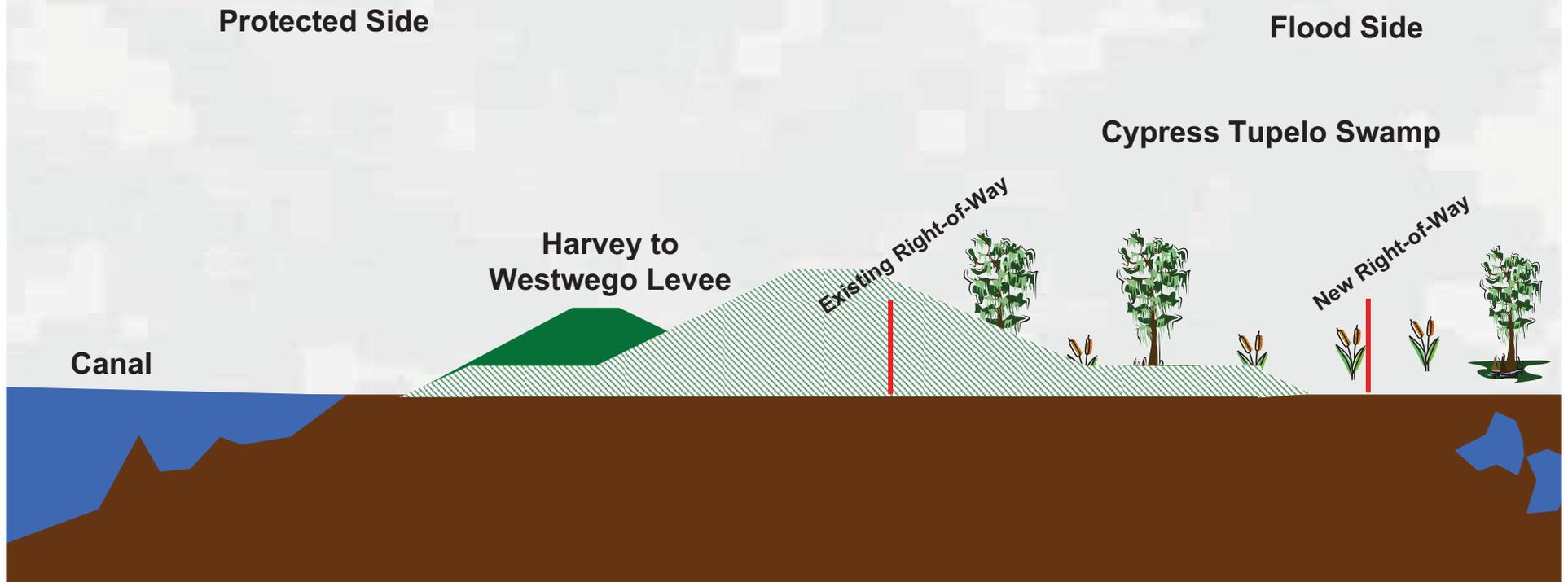


Not to Scale



Harvey to Westwego Levee

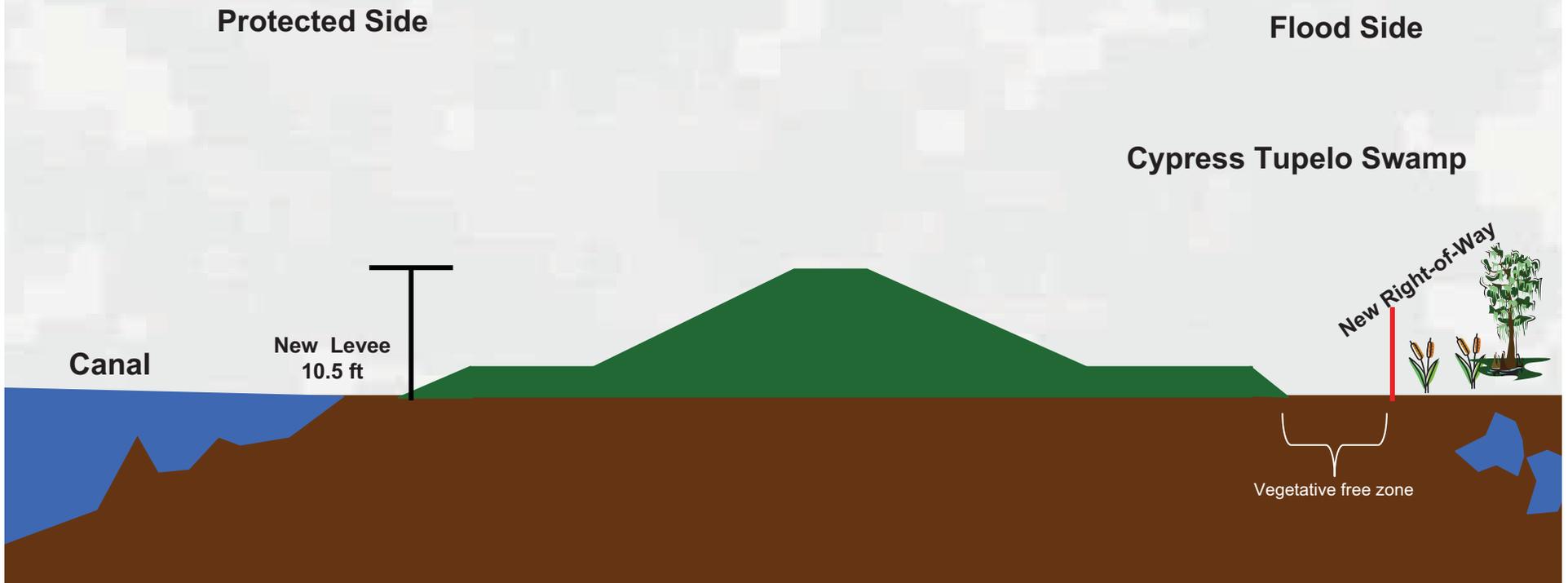
Flood side shift of earthen levee with berm



Not to Scale



Harvey to Westwego Levee Post Construction Landscape

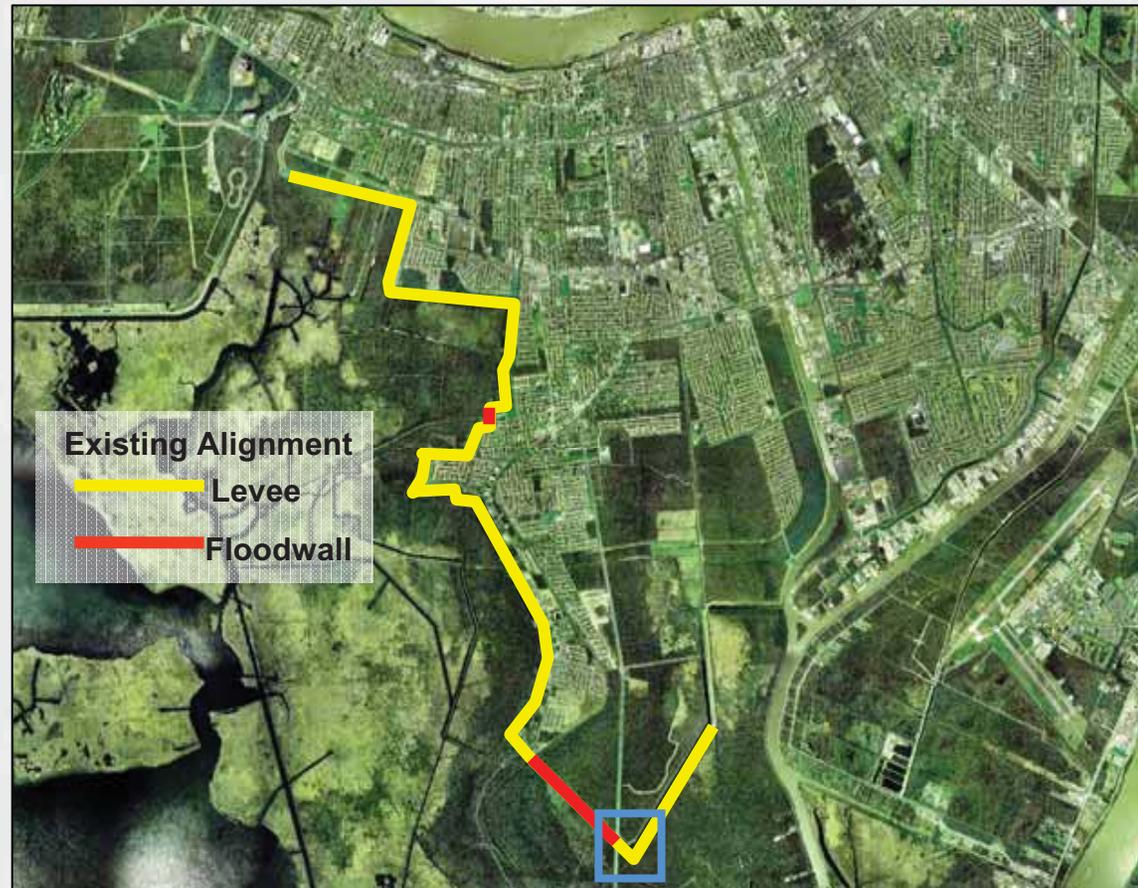


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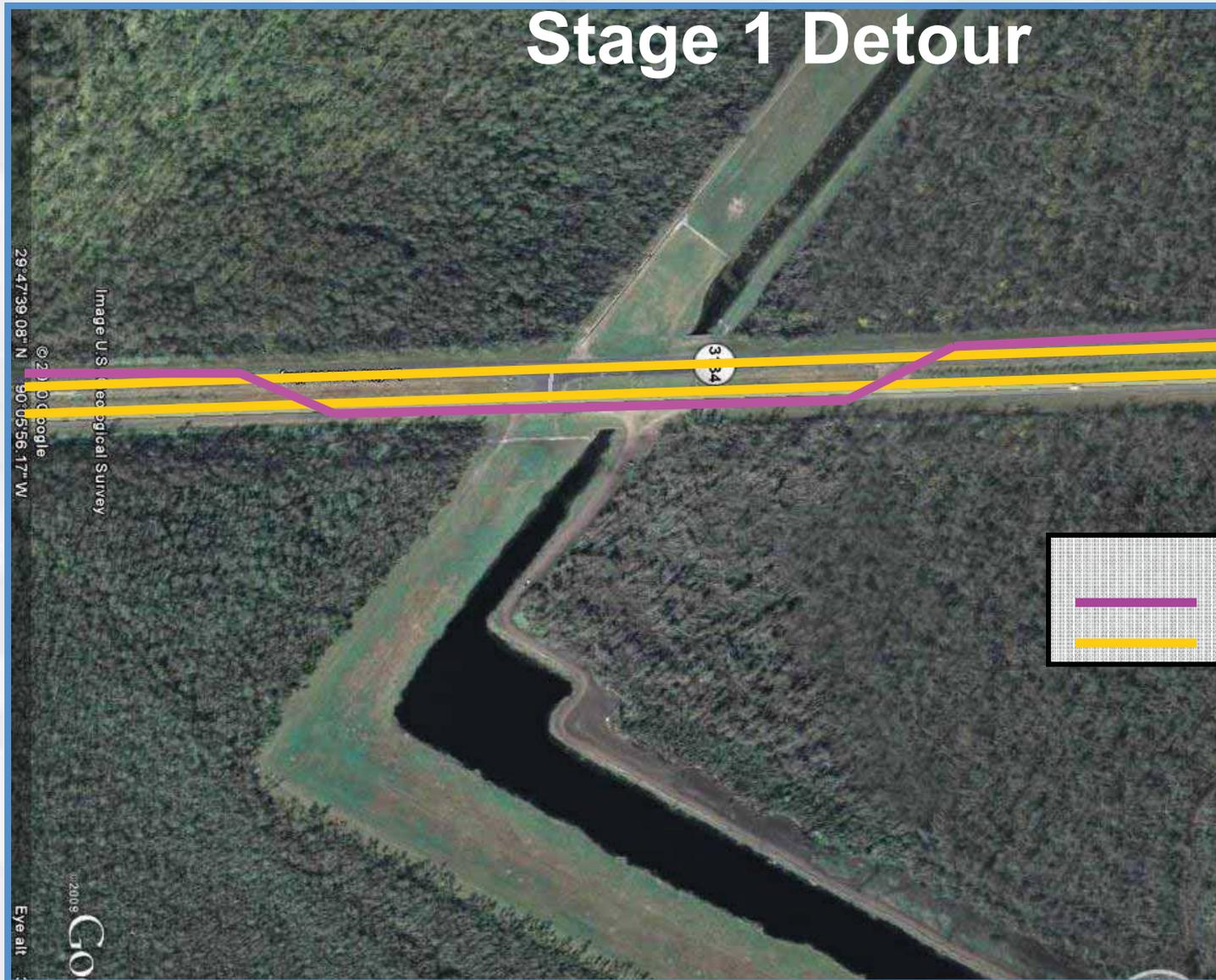
Lafitte Larose Highway Crossing

- Provides an evacuation and emergency response route for lower Jefferson Parish residents
- Traffic impacts during construction will be minimized as much as possible
- Permanent impacts to current traffic patterns should be expected
- Construction duration is 481+ days



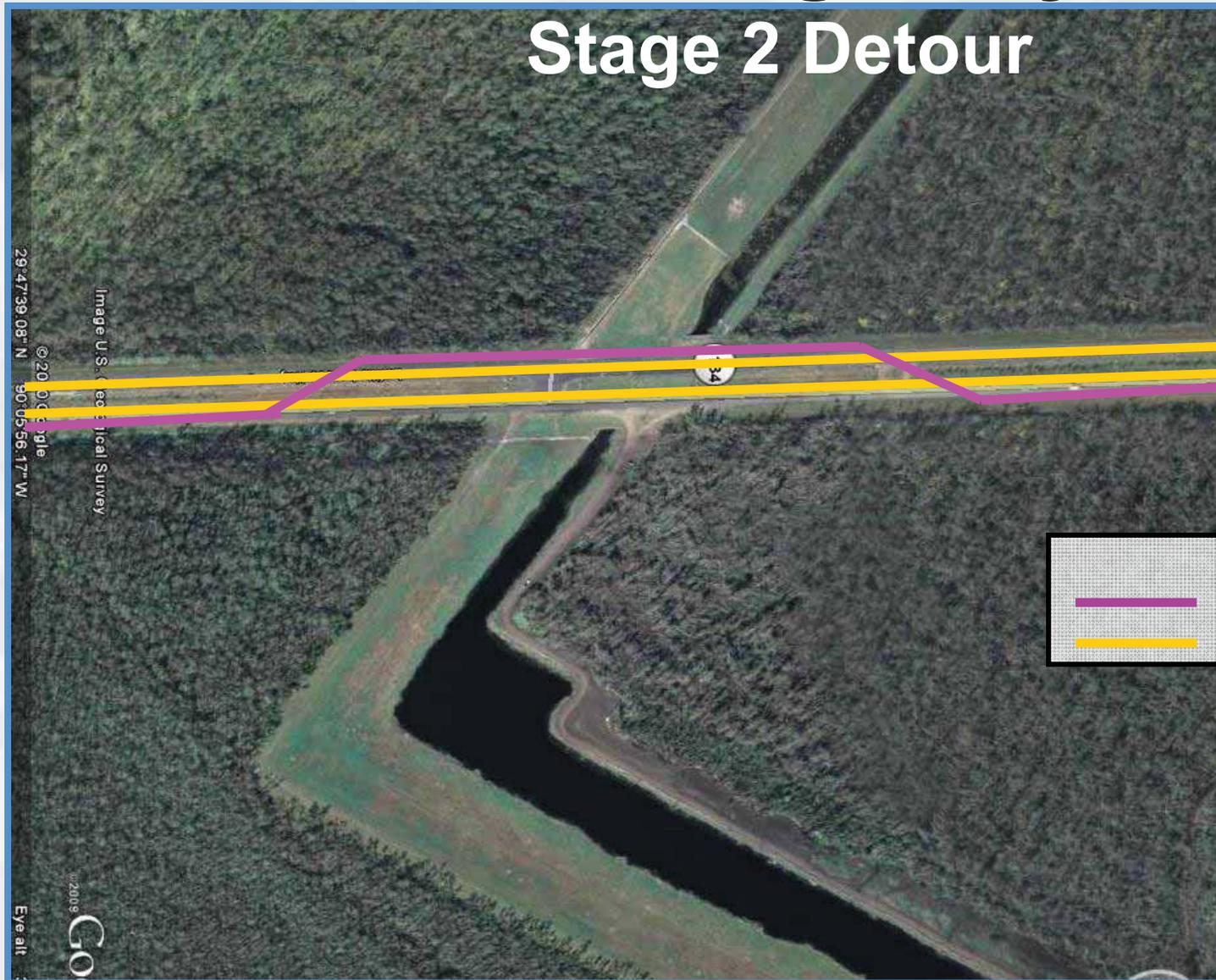
Lafitte Larose Highway Crossing

Stage 1 Detour



Lafitte Larose Highway Crossing

Stage 2 Detour



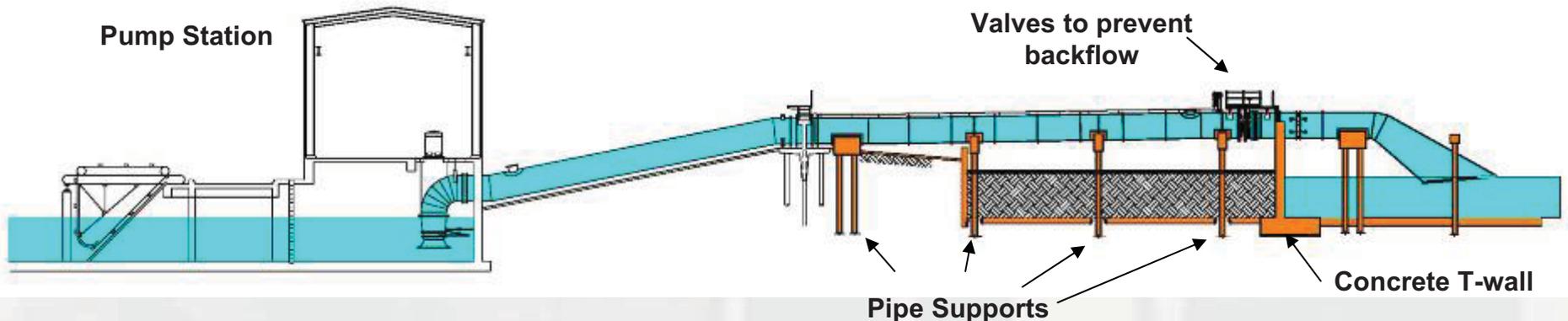
Mitigation

- Avoid impacts to wetlands
- Minimize impacts to the greatest extent possible
- Mitigate unavoidable impacts
- Mitigation funding has been set aside
- Assessment of total impacts of the hurricane system on wetlands is being monitored
- Mitigation efforts will be documented in an Individual Environmental Report



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



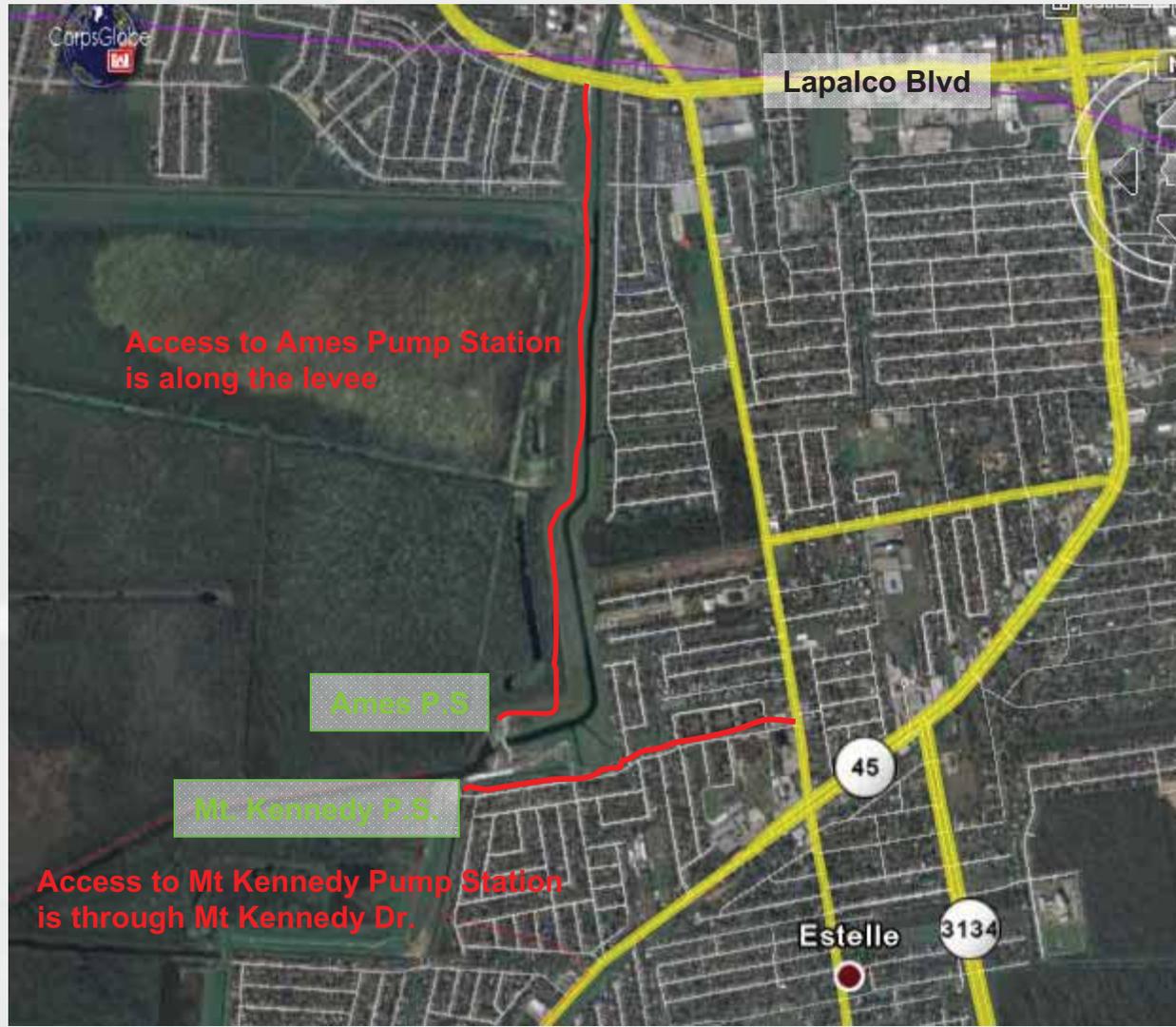
Ames and Mt. Kennedy Pump Stations

Current Status

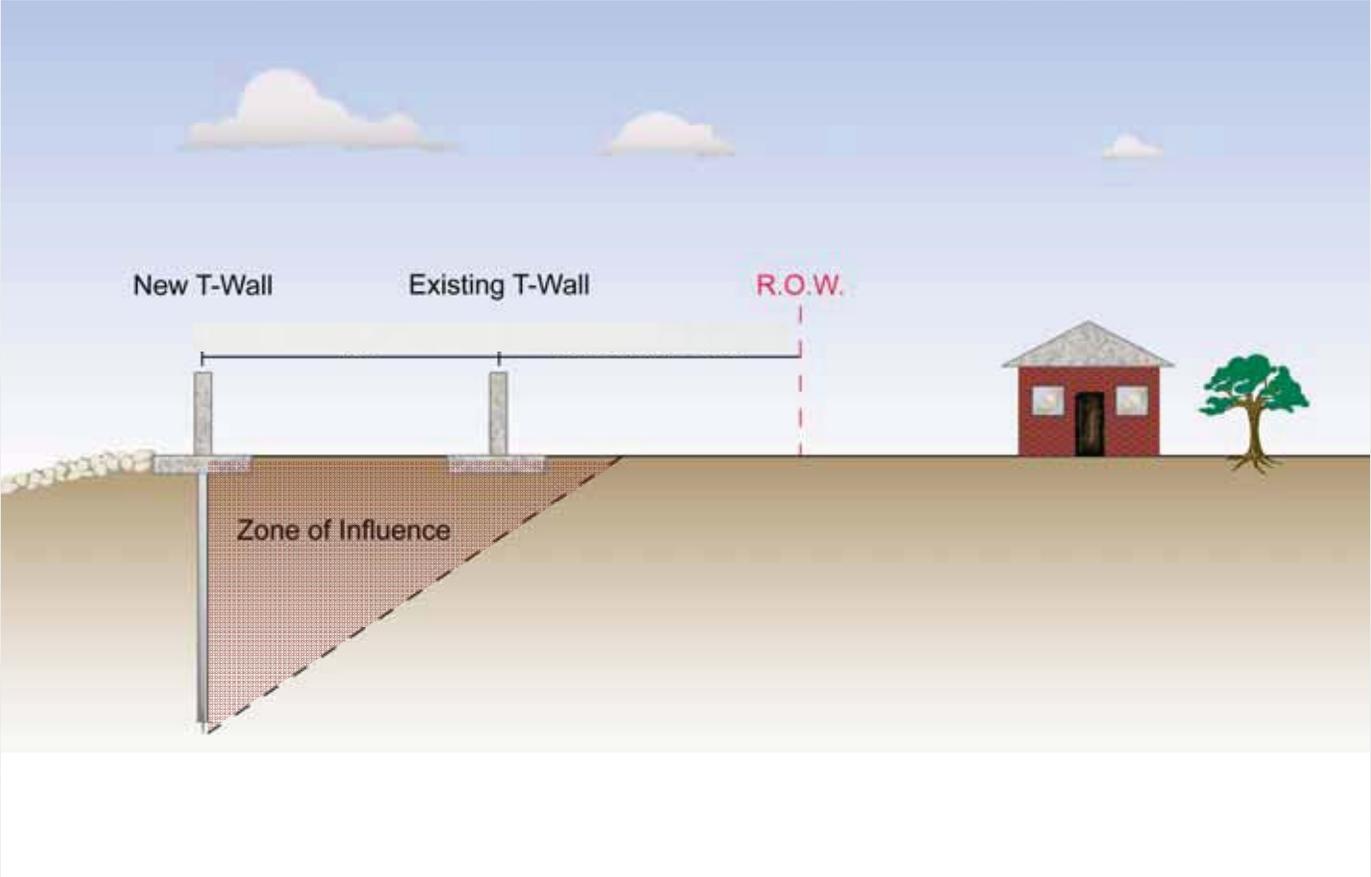
- Existing floodwalls do not meet current design criteria
- Existing floodwalls are not continuous across pump stations resulting in gaps in the risk reduction system
- Water could flow back through the pumps
- Current pump stations may allow water seepage



Access Routes



Pile Driving Zone of Influence



Vibration Monitoring

- The Corps is required to conduct vibration monitoring
- Predetermined levels of vibrations are based on industry standards for residential construction
- If vibrations exceed predetermined levels, the contractor is required to alter procedures



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.

Wednesday, Mar. 10, 2010

GIWW West Closure Complex
English Turn Clubhouse
1 Clubhouse Dr.
New Orleans, LA 70131

Wednesday, Mar. 24, 2010

Permanent Canal Closures and Pumps RFP public
meeting
Dillard University, Lawless Chapel
2601 Gentilly Blvd,
New Orleans, LA 70122

Tuesday, Mar. 30, 2010

St. Charles eastbank construction and IER 24 meeting
St. Charles of Borromeo Catholic Church
13396 River Rd.
Destrehan, LA 70047

Tuesday, Apr. 20, 2010

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

Thursday, Apr. 29, 2010

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



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 Stormwatering EA #474 Drafts Public Comment Period 4/17 - 5/23
- Jefferson Parish Pump Station Stormwatering EA #475 Drafts Public Comment Period 4/14 - 5/20
- Draft IER 10 Public Comment Period 4/13 - 5/12

Upcoming

- 05/11/2009 - Public Meeting IER 6, 9, 10 and 16/17
- 05/17/2009 - Draft IER 10 Public Comment Period Ends

Newly Available

- News Release 06 May 09 Draft IER 5
- IER 5 - Phase 2 Final Report: Operating Scenario Analysis

FEATURED PROJECT
USACE-MVNY 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

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Floodwall

Building more bigger, stronger, better. The U.S. Army Corps of Engineers is working to work smarter, faster to minimize the hurricane and storm damage risk reduction system (SDRS) by 2012. To this end, the Corps is using valuable resources learned to construct more resilient levees and floodwalls.

PUBLIC INFORMATION

Learn more about what the Corps is doing to reduce risk. [LEARN MORE](#) about what the Corps is doing to reduce risk. [EMERGENCY INFORMATION](#) [Public Inquiries](#) [Public Requests](#) [Public Information and Meetings](#)

NOLA Environmental
Did you miss a meeting? No problem! Find presentations, presentations and more.

TOP HEADLINES

- Document permits access on YouTube? [More](#)
- Corps releases environmental document for public review
- Sign to receive updates on WaterBank web discussion website
- Corps seeks comments on design and construction of the New Harbor Navigation Canal Lock. [View and Download](#)

ASK THE CORPS

The Corps wants to hear from you! Do you have information on the closing of Industrial Lock on August 2, 2009 for 60 days? [Yes](#). For information regarding the August 2nd closing of the New Harbor Navigation Canal Lock, please visit [http://www.usace.army.mil](#)

FEATURED VIDEOS

- Meet Orleans Complex team members about the alternative under consideration to reduce risk on the Waterway. [Watch it](#)
- Hurricane & Storm Damage Risk Reduction System. From concept to construction, find out more about system features.

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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



Explore...

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>

