

Greater New Orleans Hurricane & Storm Damage Risk Reduction System

West Return Floodwall

Public Meeting

January 28, 2010

Kenner City Park Pavilion



US Army Corps of Engineers
BUILDING STRONG

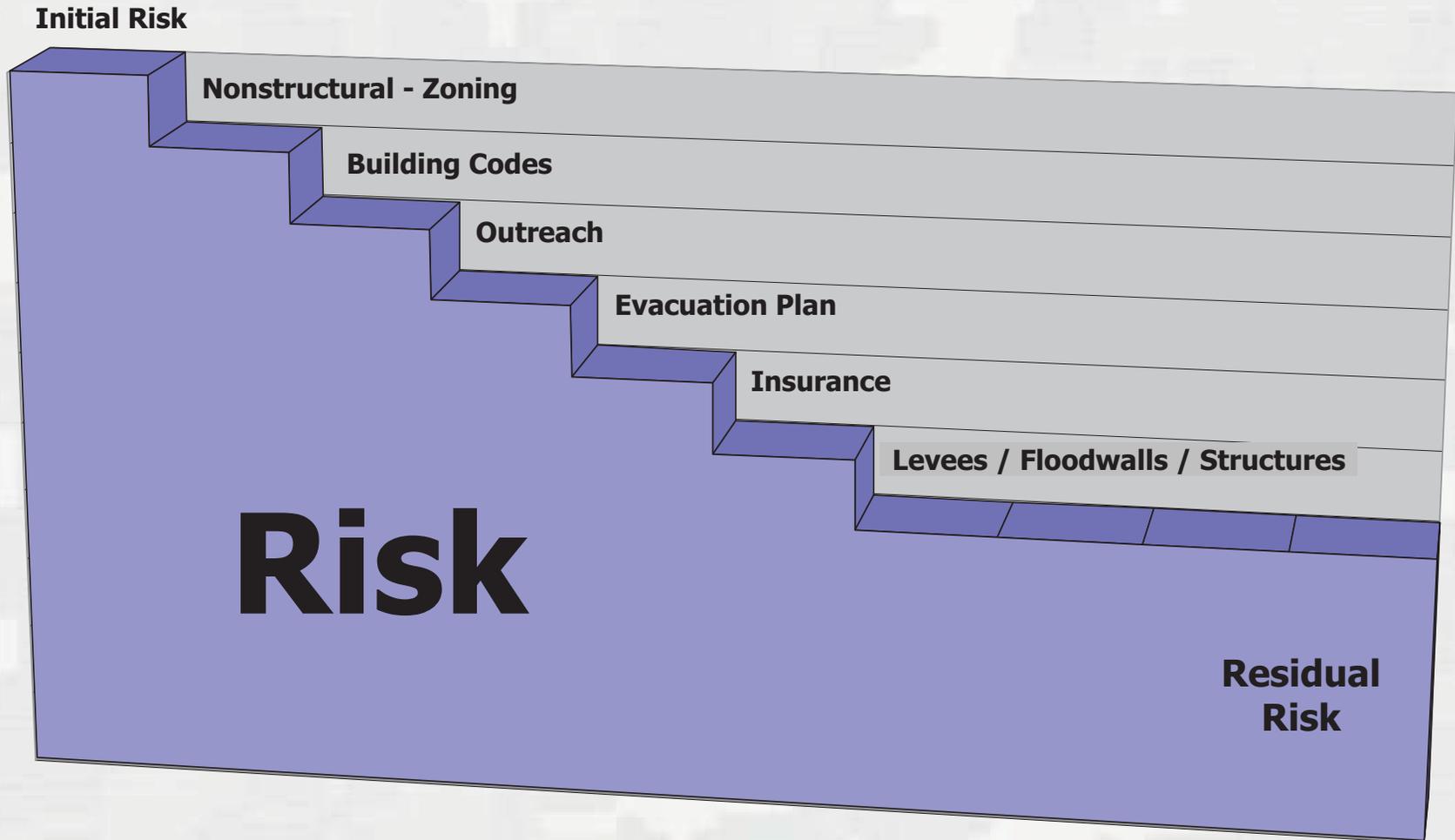


Meeting Purpose

- To discuss Jefferson Parish West Return Floodwall and levee construction projects
- To discuss West Return Floodwall access routes and staging areas
- To discuss overall construction impacts for the community
- To discuss the unsuitable material found at Reach 2



Risk – Shared Responsibility



West Return Floodwall



West Return Floodwall

Jefferson Parish



US Army Corps of Engineers
Team New Orleans

Project Staging Areas and Access Routes



Project area north of Interstate-10



Project area south of Interstate-10



Contract North of Interstate 10



Construction of the West Return Floodwall, north of Interstate 10, will require 44,600 cubic yards of concrete and 1.2 million linear feet of sheet piles.



Construction Sequence



Existing Wall



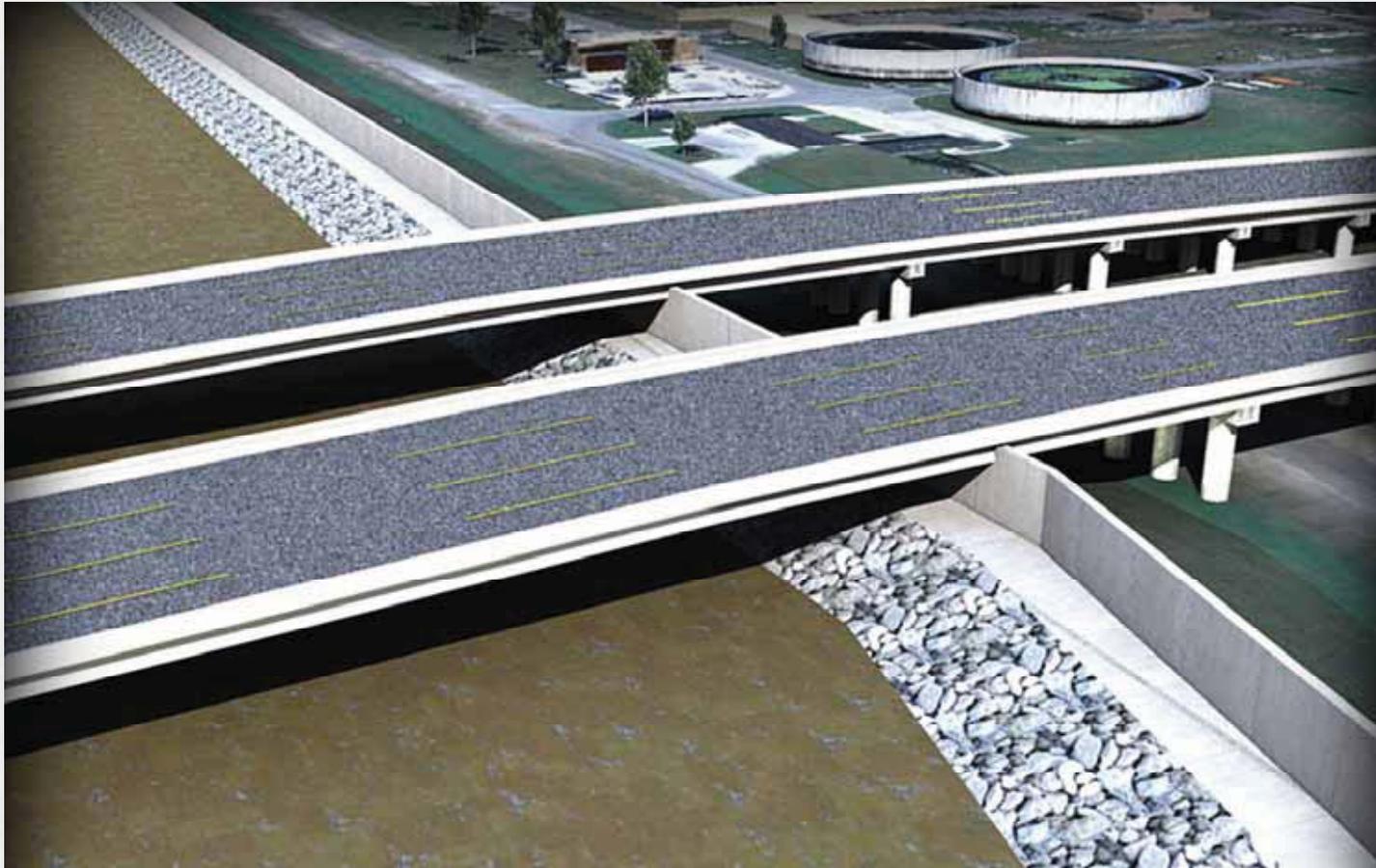
New Wall Built



Old Wall Demolished



West Return Floodwall South of Interstate 10



Construction Details Under Interstate 10

Flood Side



Protected Side



West Return Floodwall

Northern Contract

- Expected award date in March 2010

Southern Contract

- Expected award date in June 2010



Construction Impacts

- Increased truck traffic on access roads
- Closure of West Return Floodwall Canal and Bike Path
- Increased noise in close proximity to the floodwall
- 24 hour operations permitted; no pile driving allowed from 10 p.m. to 7 a.m.
- Demolition of existing floodwall will follow completion of new T-wall



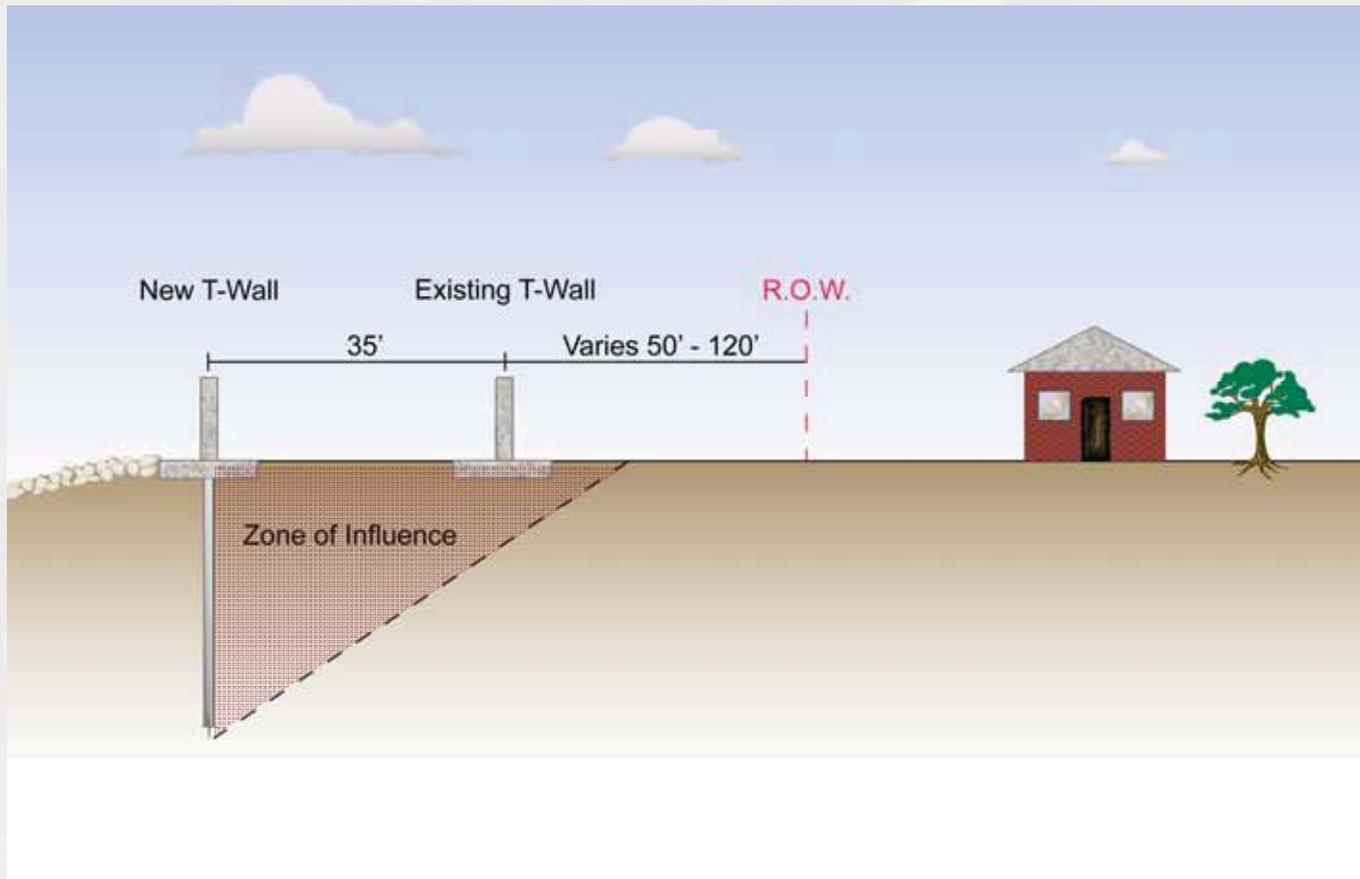
Barged Materials



Some material to construct the new floodwall will be barged through the canal, reducing the construction impacts to nearby residents.



Pile Driving Zone of Influence



Zone of influence is within the project right of way.



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



Lake Pontchartrain & Vicinity

East Bank of Jefferson Parish Status Update & Reach 2



US Army Corps of Engineers
BUILDING STRONG[®]

Why You Should Have Confidence in the Protection for East Jefferson

- The problem was identified and necessary measures have been taken
- This is an isolated incident
- Only two levee reaches have been enlarged using material that did not come from Bonnet Carre
- Borrow sources used for the previous lift on Reach 2 would not be allowed under the new post Katrina standards
- We learned that visual inspection is not sufficient to identify and remove objectionable material
- All material being used for the ongoing levee construction is compliant with the new post Katrina borrow standards





US Army Corps
of Engineers

Lake Pontchartrain and Vicinity Jefferson Parish Lakefront Levee



Jefferson Parish Lakefront Status of the Construction

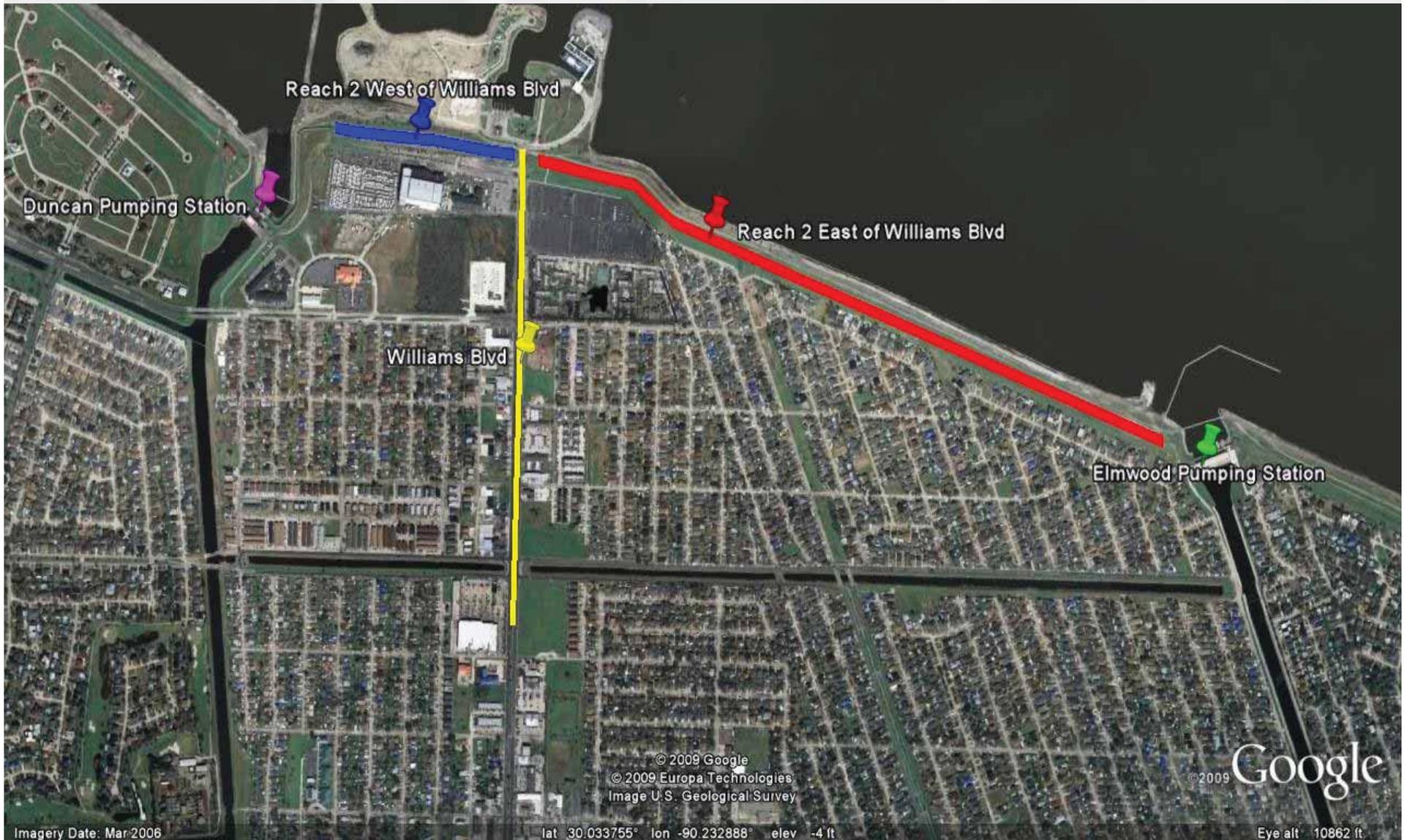
- All five levee reaches are currently under construction
- New floodgates at the Williams and Bonnabel Blvd crossings and new breakwaters at the Duncan and Bonnabel Pump Stations are being constructed. Completion date is expected in June 2010
- Levee work completion date is scheduled for late summer 2010
- The required improvements at Causeway and new fronting protection should begin this spring
- Wave berm and foreshore protection work will begin after the completion of levee construction



Bonnabel Breakwater



Reach 2 Levee Enlargement



Previous Reach 2 Levee Enlargement

- Contract awarded to Boh Bros., in November 1999, to expand the capacity of the Elmwood P.S. This contract also included raising the height of the Reach 2 levee by approximately 2 ft.

- Two sources of material were specified in the contract.
 - West of Williams – Bonnet Carre Spillway
 - East of Williams – Excavation from Elmwood P.S.

- Contractor proposed using alternate material to reduce cost

- Visual inspection methods were used to identify and remove objectionable material (construction debris)



Ongoing Reach 2 Levee Enlargement West of Williams Blvd.

- Contract awarded in July 2009 to enlarge Reach 2 levee to provide a 100-yr level of risk reduction
- Upon removing the grass and disking the surface, significant amounts of objectionable material (construction debris) was identified
- Our specifications allow for 1% volume of objectionable material
- In order to ensure the integrity of the hurricane protection system, a decision was made to remove all of the material placed during the previous levee enlargement



Existing Levee with Grass Removed



This shows the levee after the grass had been removed. Small quantities of objectionable material were visible.



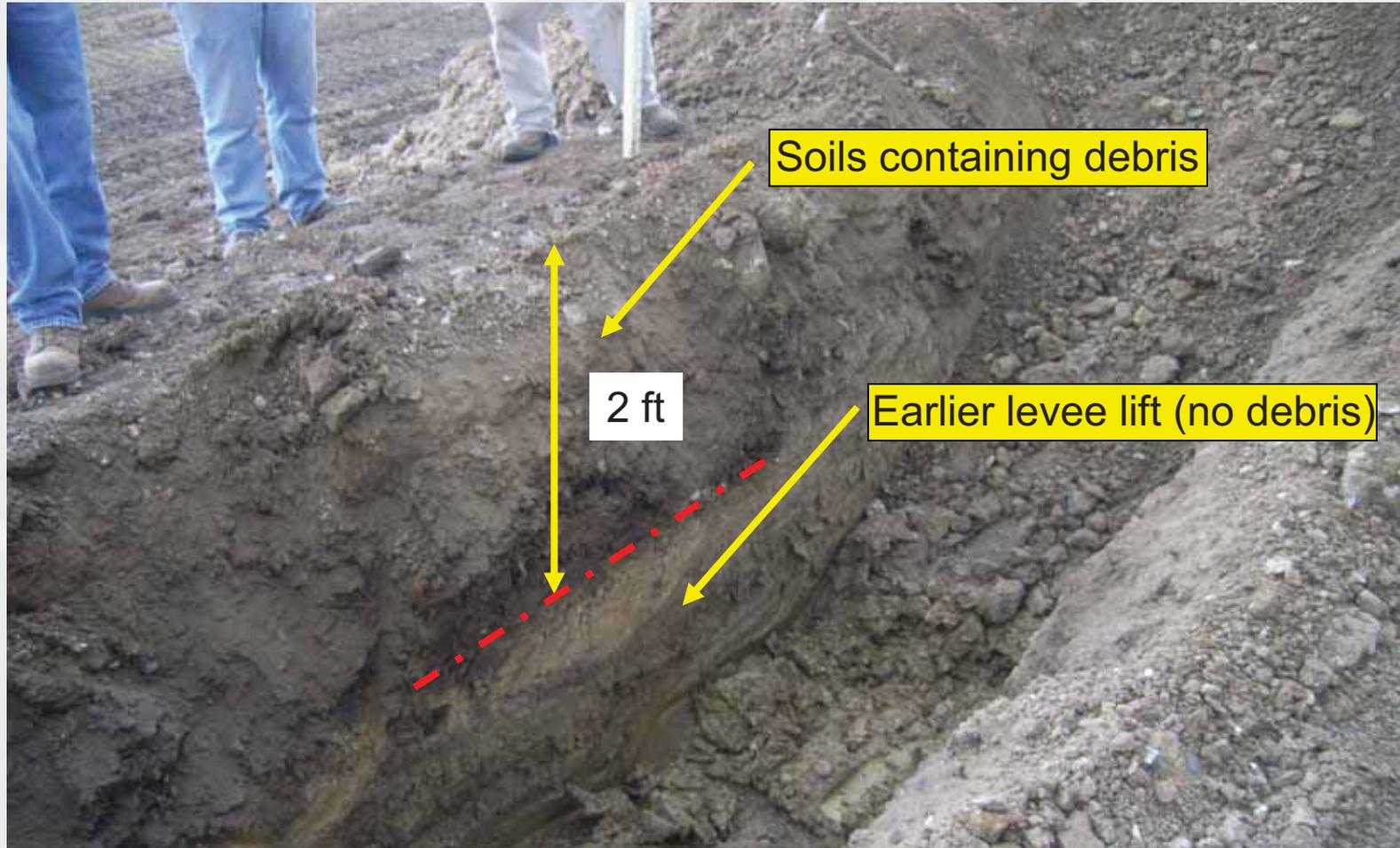
Objectionable Material



Higher concentrations of objectionable material were visible after the levee surface was disked.



Inspection Trench



Inspection trenches were dug in several locations to determine the extent of the objectionable material.



Rebuilt Levee West of Williams Blvd.



Levee west of Williams Blvd. was removed and rebuilt with new material from Bonnet Carre after objectionable material was found.



Ongoing Reach 2 Levee Enlargement East of Williams Blvd.

- The grass was removed from the levee and the surface was disked. An inspection identified broken concrete and small clam shells, but in lower quantities than west of Williams Blvd.
- Samples were taken along the levee to determine the percent of objectionable material
 - ▶ 2.2% average
 - ▶ 1% allowed in our specifications
- Chunks of concrete were excluded as they are not in compliance with our specifications
- Representatives from the Corps, Southeast Louisiana Flood Protection Authority-East, and the East Jefferson Levee District evaluated different options



Levee East of Williams Blvd.



Objectionable material consist of broken concrete and clam shells.



Reach 2 - East of Williams Blvd.

Proposed Remedial Measures

- The levee will be disked (approx. 6" depth) and all exposed broken concrete will be removed. The material will then be pushed off the side and stockpiled
- This process will be repeated until all objectionable material has been removed
- To meet specifications, new material will be brought in from the Bonnet Carre Spillway and blended with the stockpiled material
- The blended material will be used to rebuild the levee and berms. The final 1 ft. will be new material from the Bonnet Carre Spillway



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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)



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



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

Thursday, Feb. 2, 2010

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

Monday, Feb. 22, 2010

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

Tuesday, Feb. 23, 2010

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

Wednesday, Feb. 24, 2010

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

Thursday, Feb. 25, 2010

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



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 borrow
- 05/17/2009 - Draft IER 10 Public Comment Period Ends

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

FEATURED PROJECT

USACE-MVU 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

Floodwall

Building more bigger, stronger, better. The U.S. Army Corps of Engineers is continuing to work speedily to complete the Hurricane and Storm Damage Risk Reduction System (HSDRRS) 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. [Click here.](#)

Emergency Information
[Food Supplies](#), [Disaster Response](#), [Flood Information](#), and [More...](#)

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

TOP HEADLINES

Document permits access on Web2007. [More...](#)

Canal permits environmental document for public review

Sign up today's update on Web2007 site. [More...](#)

Canal permits permits to open up public and [More...](#)

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 Lower Harbor Navigation Canal Lock, please visit [http://www.usace.army.mil](#)

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

FEATURED VIDEOS

Meet Orleans Complex learn more about the alternative under consideration to reduce risk on the Warrenton Reach.

Hurricane & Storm Damage Risk Reduction System From levees to canals, tunnels, 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.

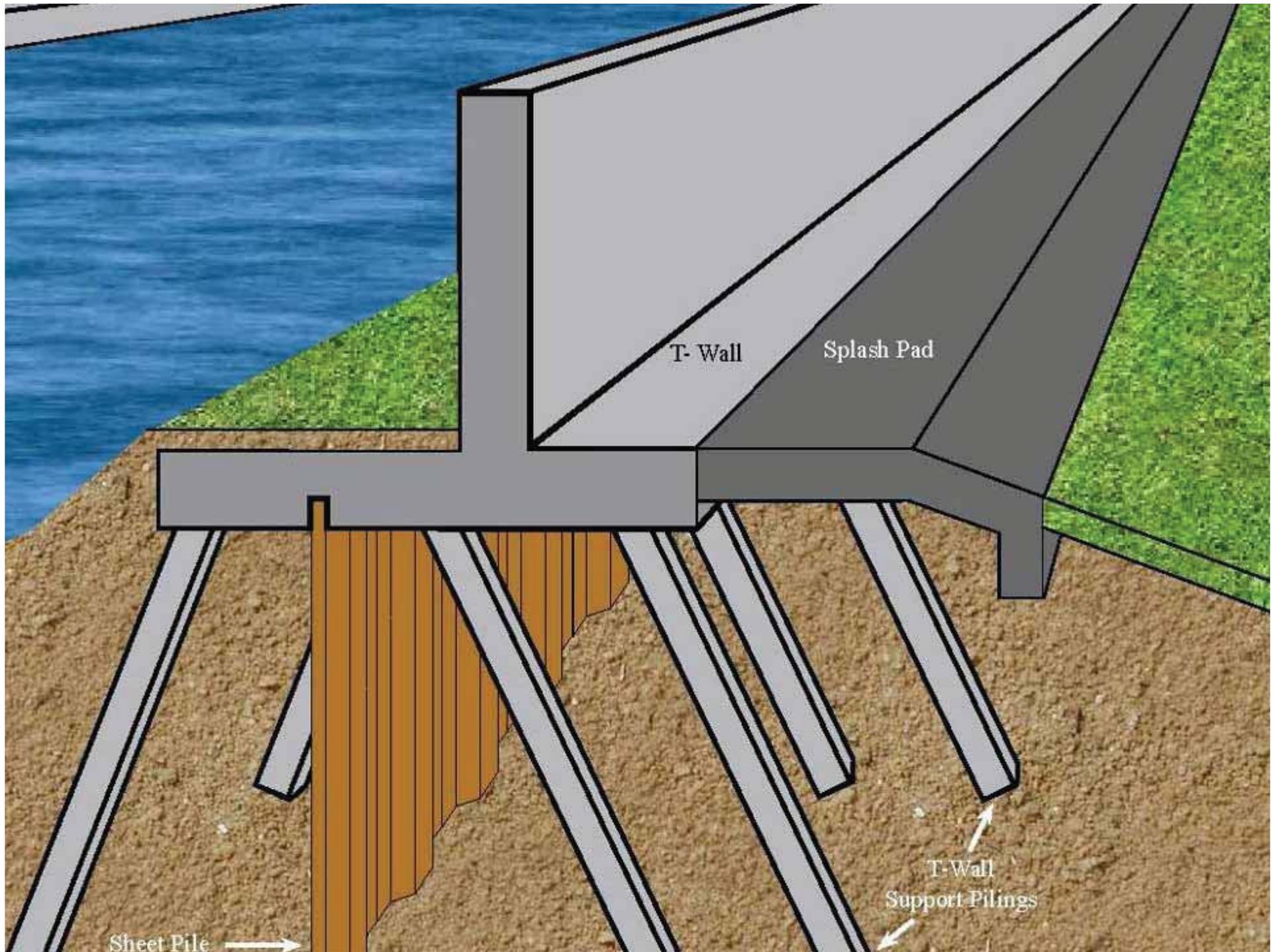


Discussion



Additional Slides





Claims for Damage

- The Corps will inform the claimant of there recourses and provide phone numbers for them to call
- Claimants have three courses of action:
 - They may file a claim (SF 95) with the COE if they feel that the COE was negligent
 - They may seek recourse against the contractor if they feel the contractor is negligent
 - They may seek recourse against the local sponsor.

To get guidance and information on filing a claim with COE you can go to http://www.mvn.usace.army.mil/oc/oc_claim.asp or dial (504) 862-2826

