

Greater New Orleans Hurricane & Storm Damage Risk Reduction System

Western Tie-In Construction Update

Cornerstone Chemical Co

March 22, 2011

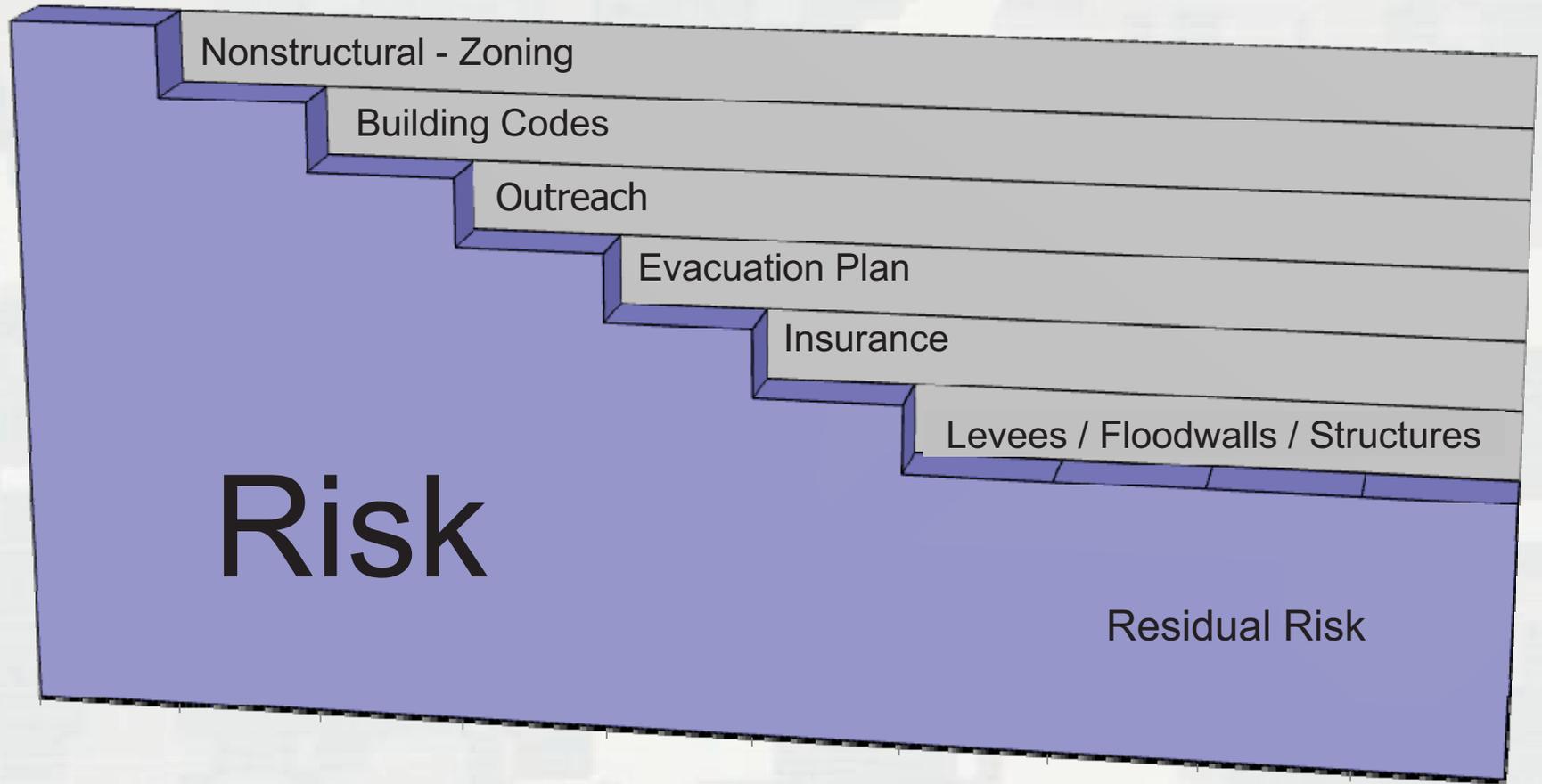


US Army Corps of Engineers
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Risk – Shared Responsibility

Initial Risk



BUILDING STRONG®

Meeting Purpose

- Discuss the status of construction of the Western Tie-In project
- To describe anticipated construction impacts

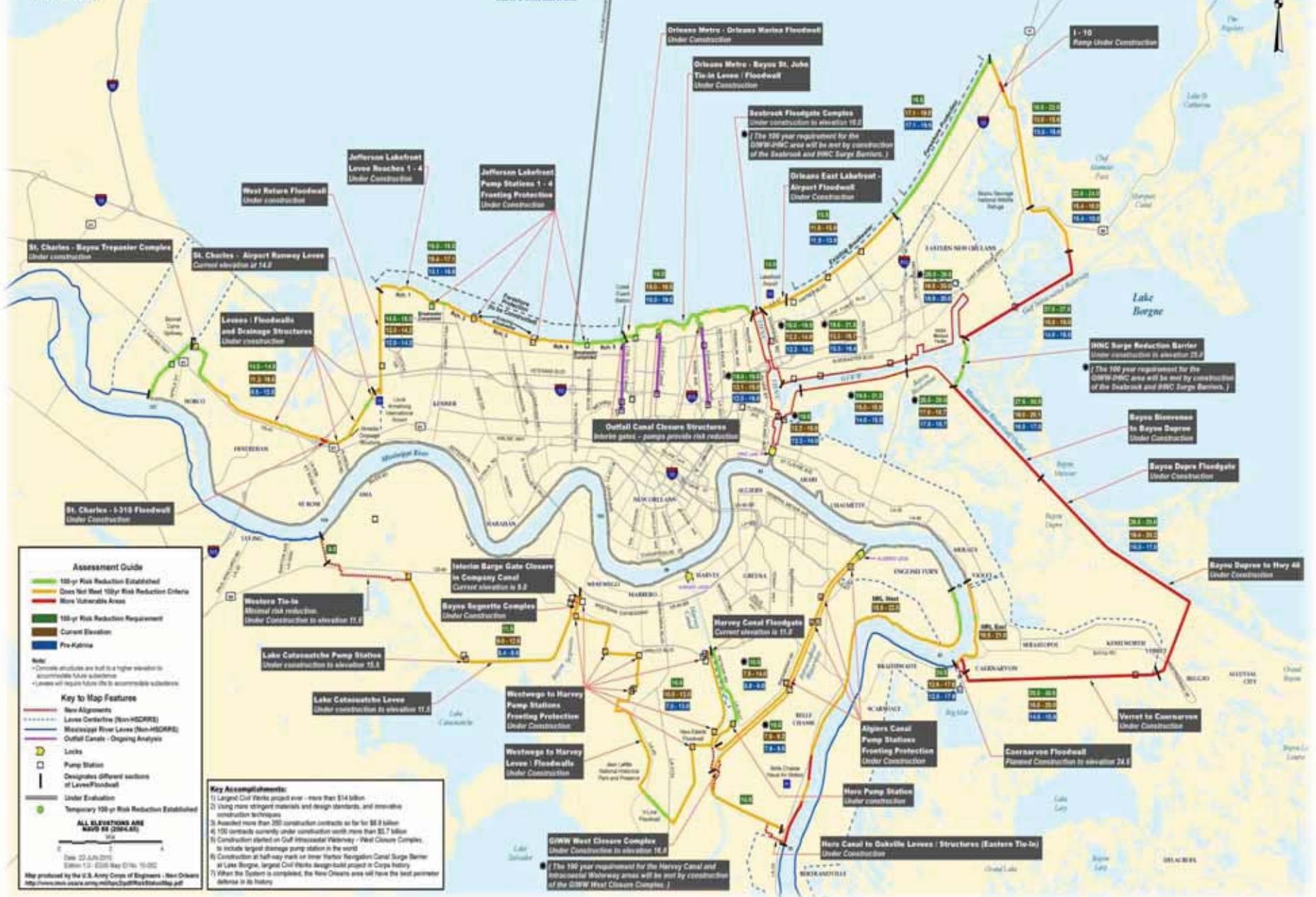




US Army Corps of Engineers

GREATER NEW ORLEANS HURRICANE AND STORM DAMAGE RISK REDUCTION SYSTEM (HSDRRS) Status - June 2010

Lake Pontchartrain



Assessment Guide

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

Key to Map Features

- New Alignments
- Levee Centerline (Non-HSDRRS)
- Mississippi River Levee (Non-HSDRRS)
- Outfall Canals - Ongoing Analysis
- Locks
- Pump Station
- Designates different sections of Levee/Floodwall
- Under Evaluation
- Temporary 100-yr Risk Reduction Established

ALL ELEVATIONS ARE NAVD 83 (DMSL)

Date: 22 JUN 2010
 0900:13:10 0100:04:00 0100:15:00
 May produced by the U.S. Army Corps of Engineers - New Orleans
 http://www.usace.army.mil/infocenter/infocenter.nsf/00000000-0000-0000-0000-000000000000

Key Accomplishments:

- 1) Largest Civil Works project ever - more than \$14 billion
- 2) Using more stringent materials and design standards, and innovative construction techniques
- 3) Awarded more than 200 construction contracts so far for \$8.9 billion
- 4) 150 contracts currently under construction worth more than \$2.7 billion
- 5) Construction started on Gulf Intracoastal Waterway - West Closure Complex, to include largest storage pump station in the world
- 6) Construction at half-way mark on Inner Harbor Navigation Canal Surge Barrier at Lake Borgne, largest Civil Works design build project in Corps history
- 7) When the System is completed, the New Orleans area will have the best perimeter defense in its history

GRW West Closure Complex Under Construction to elevation 18.0

[The 100 year requirement for the Harvey Canal and Intracoastal Waterway areas will be met by construction of the GRW West Closure Complex.]

Bayou Bienvenue to Bayou Du Large Under Construction

[The 100 year requirement for the Bayou Bienvenue area will be met by construction of the Bayou Bienvenue to Bayou Du Large.]

Corona Floodwall Planned Construction to elevation 24.5

Hans Pump Station Under Construction

Hans Canal to Oakville Levees / Structures (Eastern Tie-In) Under Construction

Westwego to Harvey Levee / Floodwall Under Construction

Westwego to Harvey Pump Stations Flooding Protection Under Construction

Lake Cataouatche Levee Under construction to elevation 11.5

Lake Cataouatche Pump Station Under construction to elevation 15.5

Bayou Segnette Complex Under Construction

Bayou Segnette Complex Current elevation is 8.0

Western Tie-In Minimal risk reduction Under Construction to elevation 11.0

St. Charles - 5310 Floodwall Under Construction

Levees / Floodwalls and Drainage Structures Under construction

St. Charles - Airport Runway Levee Current elevation of 14.2

West Return Floodwall Under construction

Jefferson Lakefront Levee Reaches 1 - 4 Under Construction

St. Charles - Bayou Trepasier Complex Under construction

Orleans Metro - Orleans Marina Floodwall Under Construction

Orleans Metro - Bayou St. John Flood Levee / Floodwall Under Construction

Seabrook Floodgate Complex Under construction to elevation 19.2

[The 100 year requirement for the GRW West Closure Complex will be met by construction of the Seabrook and GRW Surge Barriers.]

Orleans East Lakefront - Airport Floodwall Under Construction

1-10 Ramp Under Construction

Bayou Bienvenue to Bayou Du Large Under Construction

Bayou Du Large to Bayou Du Large Under Construction

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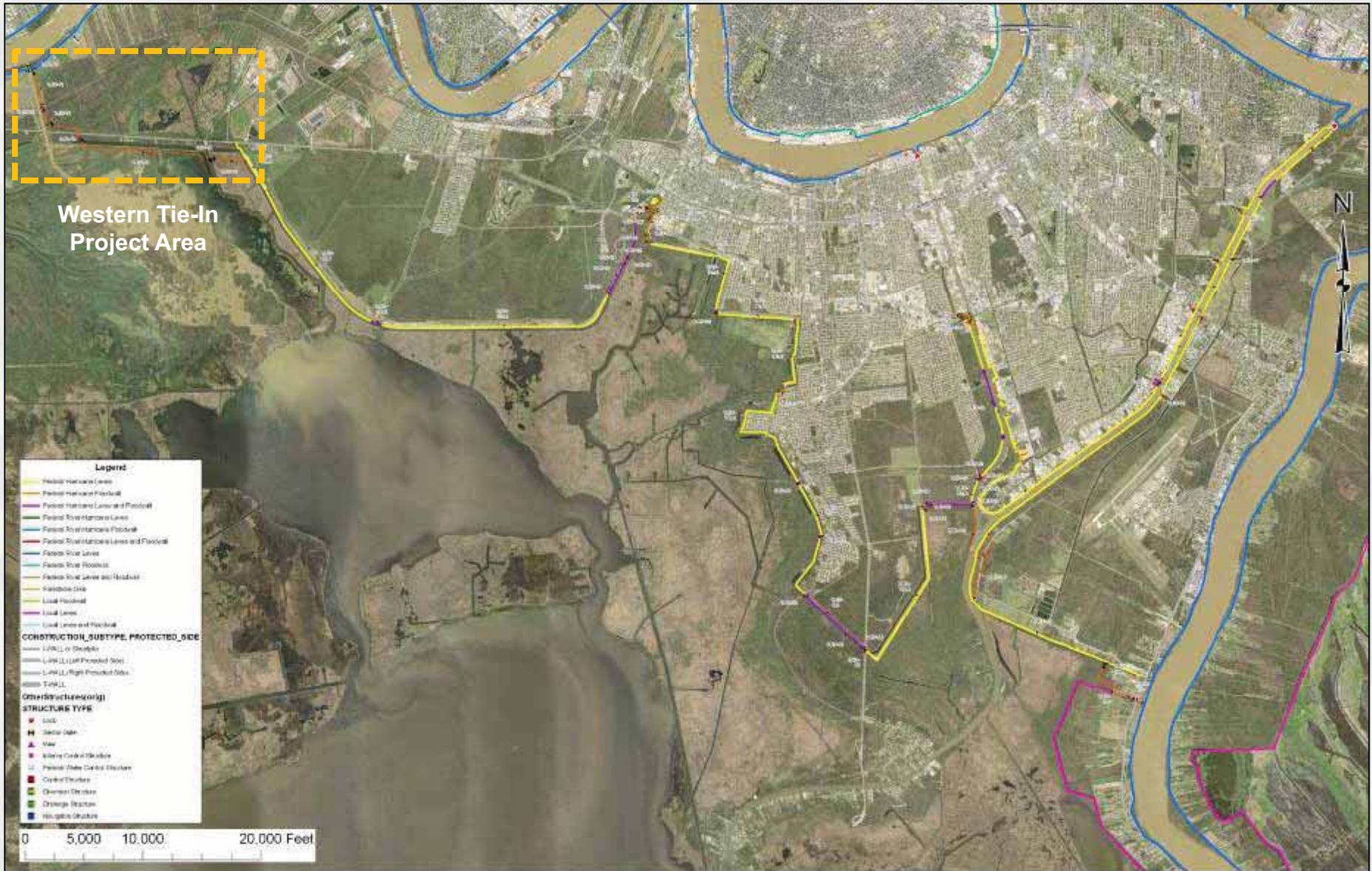
Bayou Du Large to Bayou Du Large Under Construction

Bayou Du Large to Bayou Du Large Under Construction

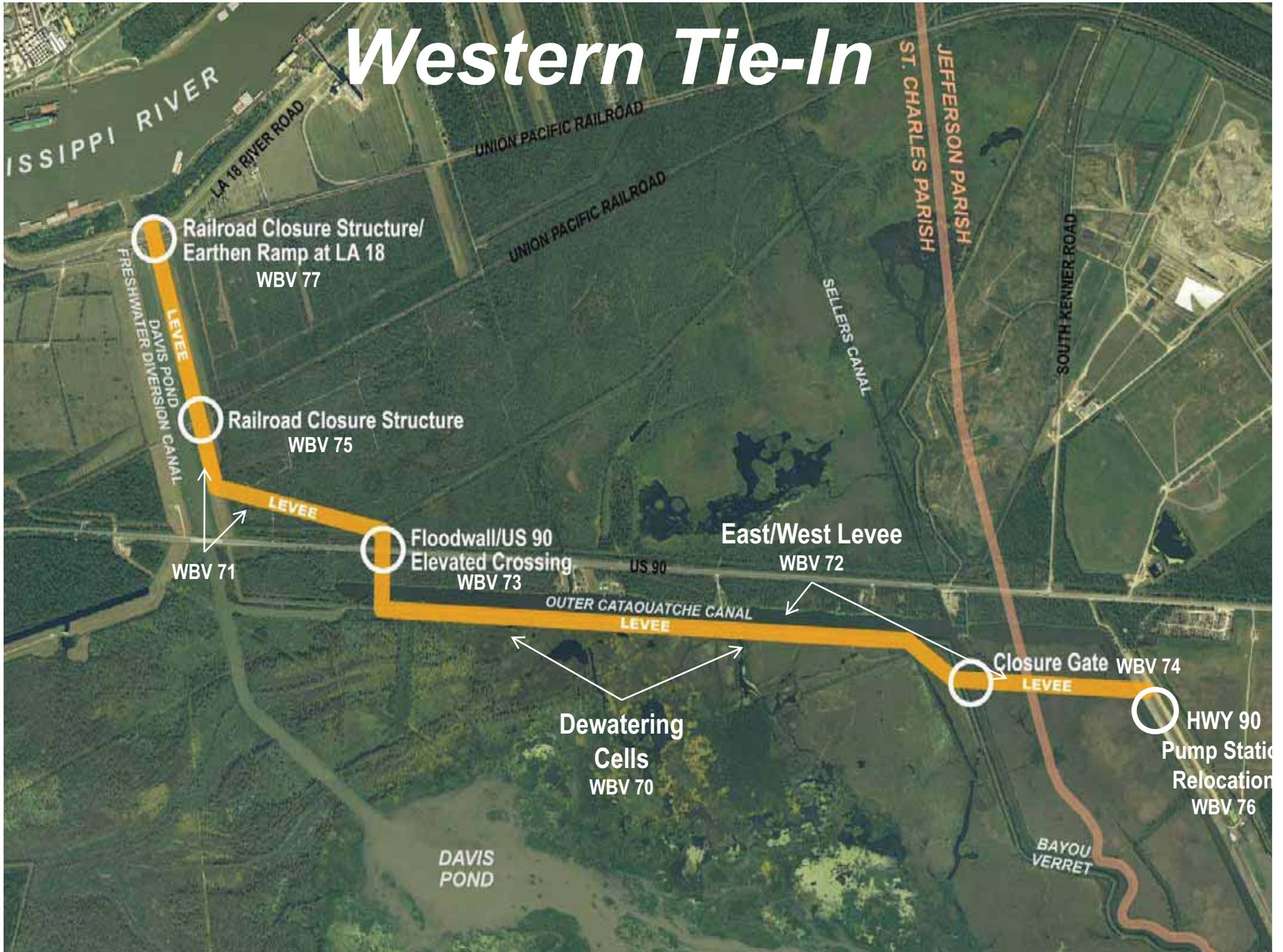
Bayou Du Large to Bayou Du Large Under Construction

Bayou Du Large to Bayou Du Large Under Construction

Westbank and Vicinity System



Western Tie-In



Railroad Closure Structure/
Earthen Ramp at LA 18
WBV 77

Railroad Closure Structure
WBV 75

WBV 71

Floodwall/US 90
Elevated Crossing
WBV 73

East/West Levee
WBV 72

Closure Gate WBV 74

HWY 90
Pump Station
Relocation
WBV 76

Dewatering
Cells
WBV 70

MISSISSIPPI RIVER

LA 18 RIVER ROAD

UNION PACIFIC RAILROAD

UNION PACIFIC RAILROAD

JEFFERSON PARISH
ST. CHARLES PARISH

SELLERS CANAL

SOUTH KENNER ROAD

FRESHWATER DIVERSION CANAL
DAVIS POND

US 90

OUTER CATAOUCHE CANAL

DAVIS POND

BAYOU VERRET

Western Tie-In

- Project Features:
 - Levees
 - Sector gate
 - Floodwall
 - Highway crossing
 - 2 rolling gates
 - Ramp
 - Highway bridge

- The Western Tie-In project will defend against a 100-year storm surge event by June 2011



WBV-76: Hwy. 90 Pump Station Relocation

- Awarded on Jan. 10, 2011 to Healtheon
- Relocating pump station
- Complete – 0 %
- Construction Complete: Nov. 2011



Cleared project area from the crown of WBV-17b Levee



WBV-70: Dewatering Cells

- Awarded on Sept. 25, 2009 to Phylway Construction
- Dewatering cells were used to build levee foundation
- Construction Completed: July 2010



WBV-72: East to West Levee

- Awarded on March 22, 2010 to WRS Compass
- Construction of 2.35 mile levee to elevation 13.5 ft
- Complete – 68 %
- Construction Complete: July 2011



Western Tie-in East to West Levee – December 2010



WBV-74: Closure Structure

- Awarded April 30, 2010 to Tetra Tech
- Requires construction of a 56 ft. sector gate at Sellars Canal
- Sector gate will remain open at all times and only close in advance of a tropical event
- Complete – 35 %
- Construction Complete: July 2011



**Western Tie-In Sellars Canal Control Structure
(Bayou Verret)**



WBV-73: Highway Crossing

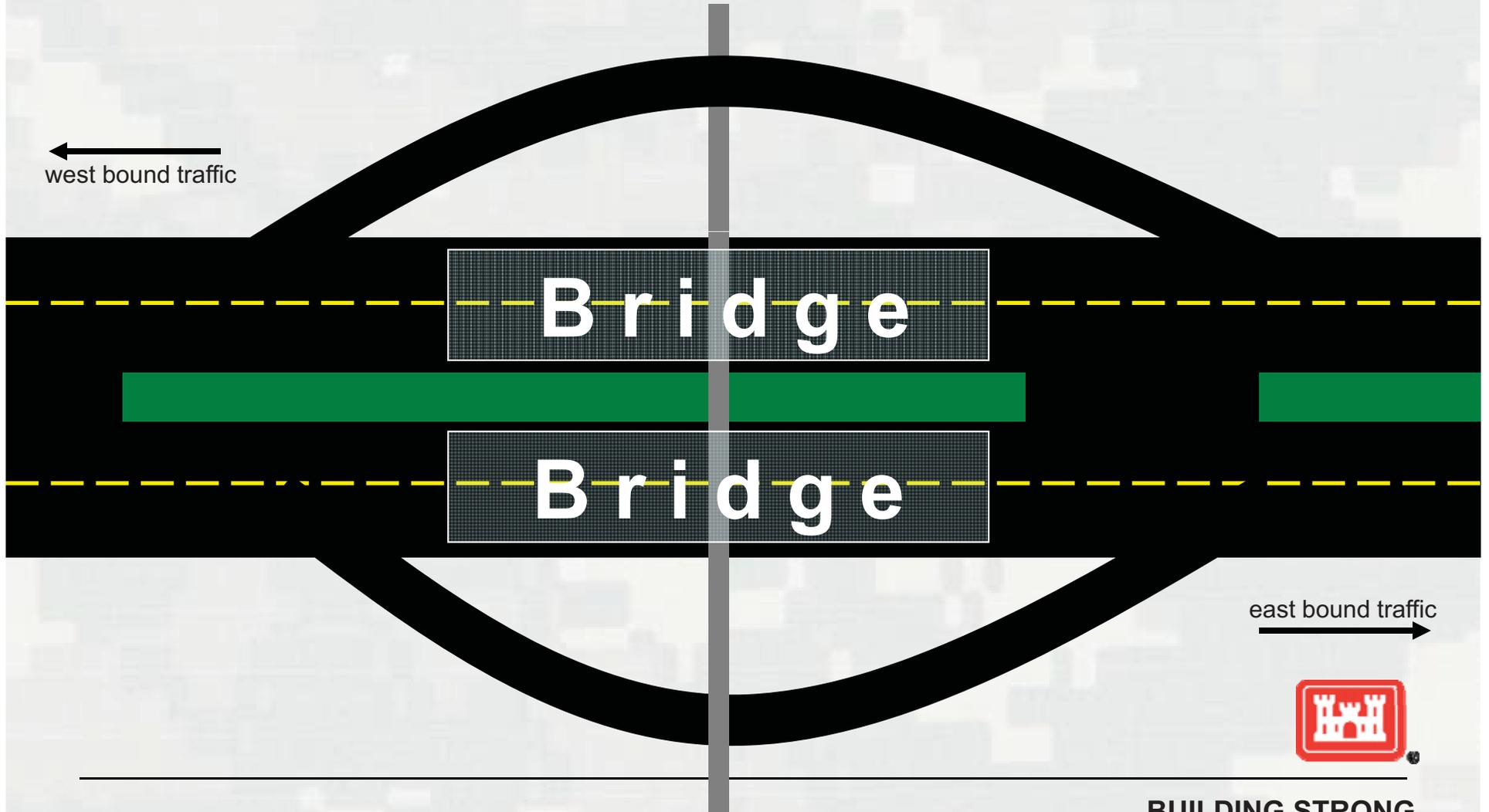
- Awarded on July 7, 2010 to James Construction Group
- Floodwall built to elevation 15.5 ft.
- Bridge over floodwall will maintain traffic patterns during evacuation
- Traffic will detour from Hwy. 90 for a significant portion of construction
- Complete – 6 %
- Construction Complete: Jan. 2012



Western Tie-in US Hwy 90 Crossing - January 2011



Hwy 90 Detour



Not to scale



WBV-71: North to South Levee

- Awarded on Sept. 25, 2009 to DQSI
- Levee construction on north side of Hwy. 90
- Construction Completed: Nov. 2010



View of completed project from the crown of the levee.



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WBV-75: Railroad Crossing

- Expected award date: April 2011
- Contract features a swing gate at the BNSF Railroad crossing
- The contract was divided in to two contracts to accelerate construction
- Construction Complete: Nov. 2011



Project site conditions during Summer 2010
at the Burlington Northern Santa Fe Railroad
Floodgate & monoliths.



WBV-77: UP Railroad Swing Gates and Ramp Crossing

- Expected Award Date: May 22, 2011

- Contract features:
 - 1 swing gate at railroad
 - 1 ramp at Hwy 18

- Summer construction will reduce impacts to school children

- Allows for the two lane bypass road

- Construction Complete: Feb. 2012



Project site for Union Pacific Railroad floodgate, T-wall monoliths and LA Hwy 18 roadway ramp



Construction Area at Hwy 18



Not to scale

Anticipated Impacts

- Increased noise
- Increased traffic
- Restricted water access for Sellars Canal
- Detours
- Sand and dust
- Wetland impacts



Currently Available for Public Review

- Remediation to the Outfall Canals - IER 27a Supplemental
 - Public Review through April 12, 2011

- Temporary Closure of the Hero Canal - IER 13a Supplemental
 - Public Review through April 14, 2011

- New Orleans to Venice Environmental Impact Statement
 - Public review through April 18, 2011

- New Orleans to Venice Supplemental Environmental Impact Statement
 - Public review through May 8, 2011

- Comments can be submitted by:
 - Calling 504-862-1544
 - E-mailing mvnenvironmental@usace.army.mil
 - Or at any time at www.nolaenvironmental.gov



Upcoming Public Meetings

Thursday, Mar. 24, 2011

HSDRRS – IER 13 Supplemental – Hero Canal
St. Paul's Benevolent Association Hall
128 E. St. Peter St., Oakville, LA 70037
Open House 6:00 p.m.
Presentation 6:30 p.m.

Tuesday, Apr. 5, 2011

Plaquemines Parish Non-Federal Levee and NOV EIS/SEIS
Buras Auditorium
35619 Hwy 11, Buras, LA 70041
Open House 6:00 p.m.
Presentation 6:30 p.m.

Wednesday, Apr. 6, 2011

Plaquemines Parish Non-Federal Levee and NOV EIS/SEIS
Belle Chasse Middle School
13476 Hwy 23, Belle Chasse, LA 70037
Open House 6:00 p.m.
Presentation 6:30 p.m.

Thursday, Apr. 7, 2011

Plaquemines Parish Non-Federal Levee and NOV EIS/SEIS
Rev. Percy M. Griffin Community Center
15535 Hwy 15, Davant, LA 70046
Open House 6:00 p.m.
Presentation 6:30 p.m.

Tuesday, May 3, 2011

Jefferson Parish east bank construction
Congregation Gates of Prayer
4000 West Esplanade Ave., Metairie, Louisiana 70002
Open House 6:00 p.m.
Presentation 6:30 p.m.

Monday, May 9, 2011

St. Charles Parish east bank construction
St. Charles of Borromeo Catholic Church Auditorium
13396 River Rd., Destrehan, LA 70047
Open house is from 6 to 6:30
Presentation begins at 6:30 p.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
- 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)





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.



Resources

www.nolaenvironmental.gov

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

