

Greater New Orleans Hurricane & Storm Damage Risk Reduction System

Western Tie-In

IER Supplemental 16.a

June 29, 2010

Cytec



US Army Corps of Engineers
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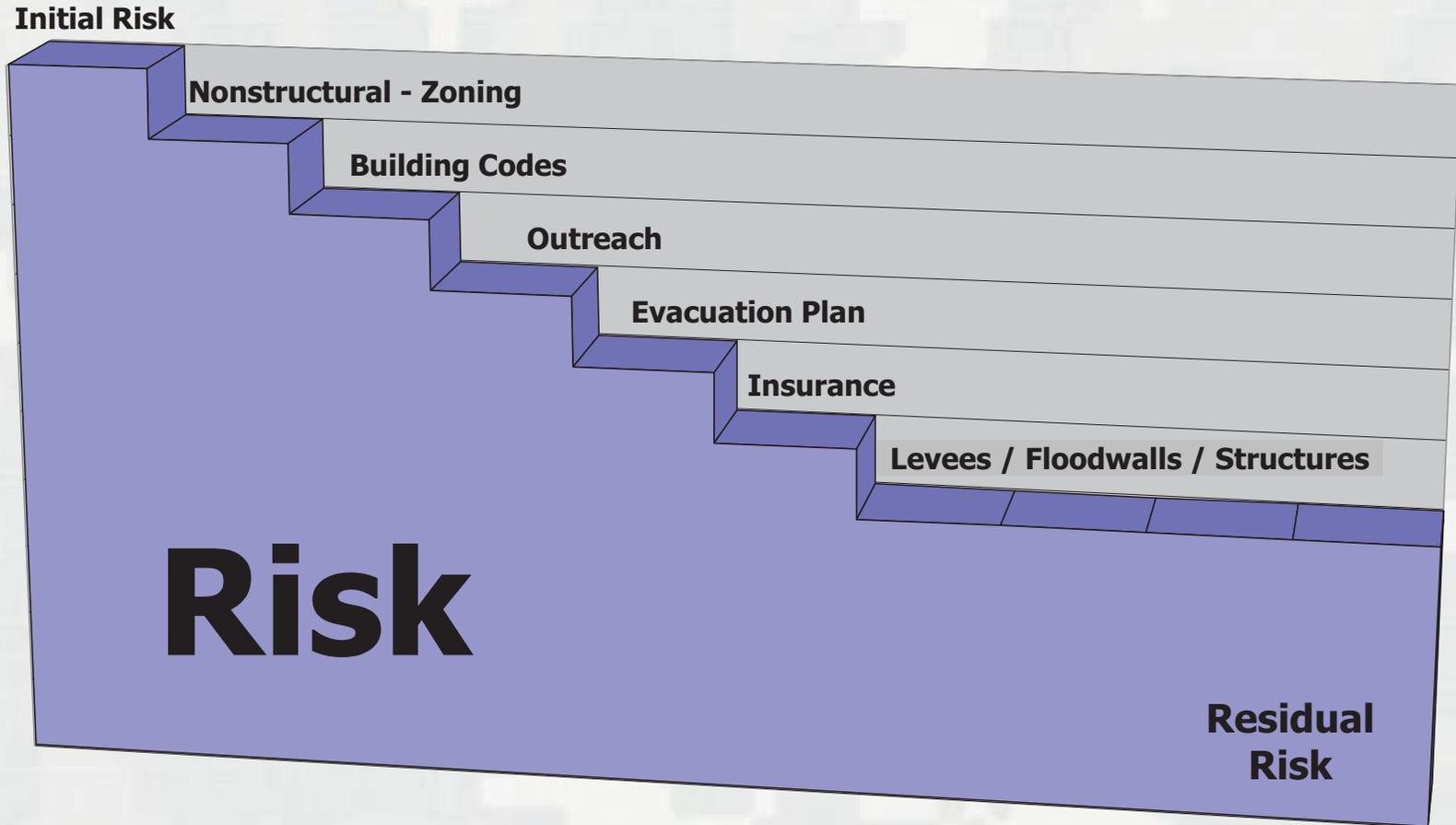


Meeting Purpose

- Western Tie-In project overview
- Planned improvements (Individual Environmental Report 16)
- Proposed refinements (Individual Environmental Report Supplemental 16.a)
- Update on the Louisiana State Highway 18 (LA-18) / River Road Detour
- Discussion



Risk – Shared Responsibility

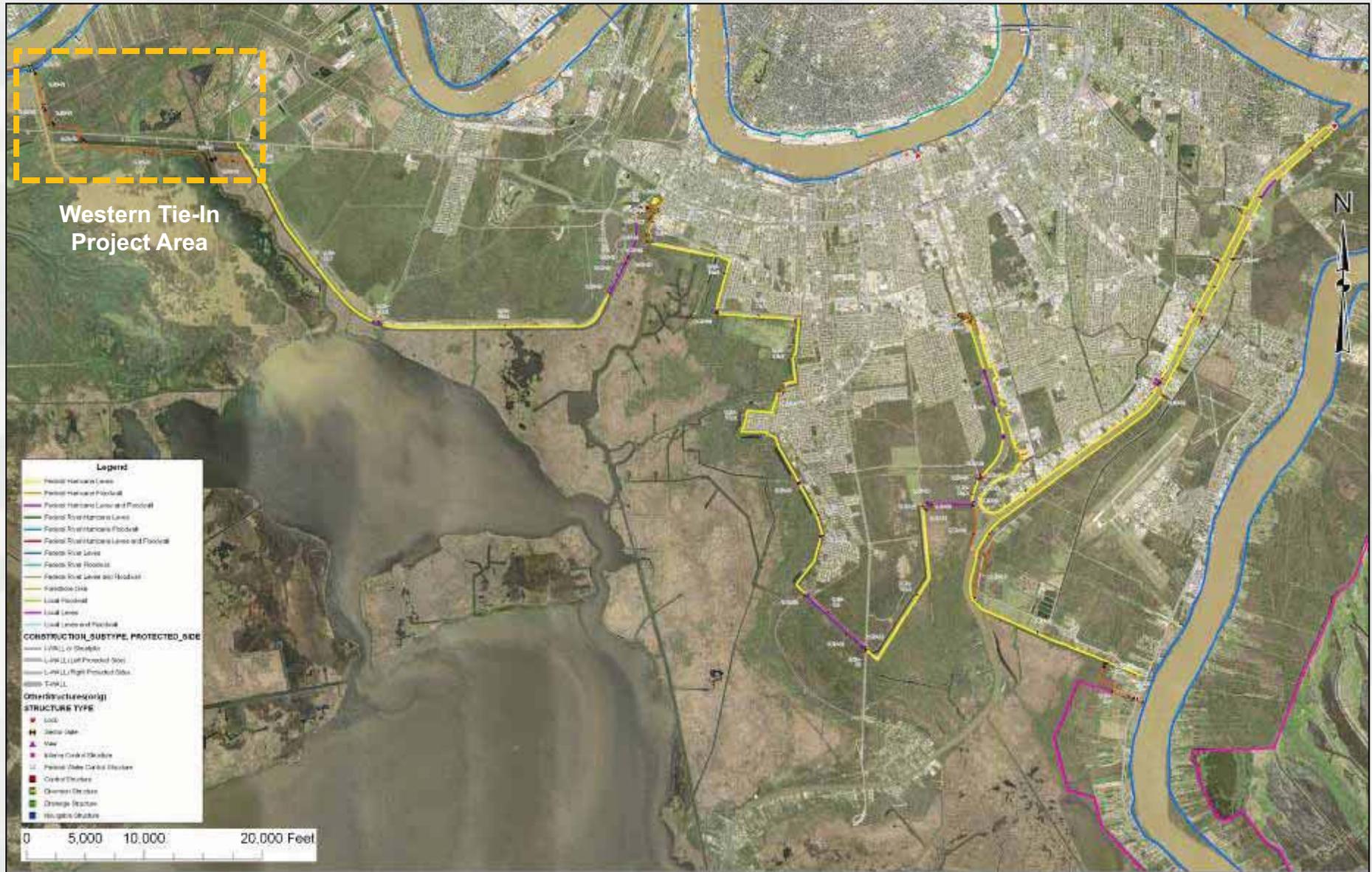


National Environmental Policy Act: NEPA

- Required for all major Federal actions
- Analyze potential impacts to the human and natural environment and investigate reasonable alternatives
- Corps has made alternative arrangements with Council on Environmental Quality to expedite NEPA compliance
- Project impacts are documented in Individual Environmental Reports
- Public Involvement is KEY! We want to hear from you!
- Goal: more informed decision making through public involvement



Westbank and Vicinity System



Western Tie-In



Western Tie-In

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



Western Tie-In

IER 16

- Public comment period closed in June 2009
- New Orleans District Commander, Col. Alvin Lee, signed the IER 16 Decision Record in June 2009

Government Plan:

- Close the system by building earthen levees along the Davis Pond Freshwater Diversion
- Connect the Lake Cataouatche Levee to the Mississippi River Levee



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Western Tie-In Levee

(IER Supplemental 16.a)

- Relocation of Utilities
- Bank Stabilization
- Degrading a section of Davis Pond Freshwater Diversion East Guide Levee
- Pump Station Modification
- Detour at Hwy 90 Crossing
- LA-18 Ramp instead of Floodgate



Relocation of Utilities

- 8 gas lines
- 3 communication lines
- 1 water line
- 1 power line



We have conservatively identified an area within which all the relocation activities would be anticipated to occur.



Bank Stabilization

- Portions of the protected side of WBV-72 (east/west levee) will have rip rap placed on top
- Rip rap will be placed to decrease erosion from boat traffic along the Outer Cataouatche Canal
- Portions of levee that need rip rap are where WBV-72 crosses the Outer Cataouatche Canal



Degrading at East Guide Levee

- Approx. 2,400 linear feet of existing Davis Pond Guide Levee would be degraded
- Clay from the degraded section would be re-used in the new hurricane system levee
- Degrading a portion of the levee would improve water exchange to approx. 60 acres of wetlands



Pump Station Demolition and Construction

- Demolition and construction is necessary to maintain existing Jefferson Parish drainage capacity
- Exact location of the new pump station has not been identified
- Maintains a total pumping capacity of 145 cubic feet per second (cfs)
- Direct impacts of pump station construction, including discharge line, are anticipated to be less than 1 acre

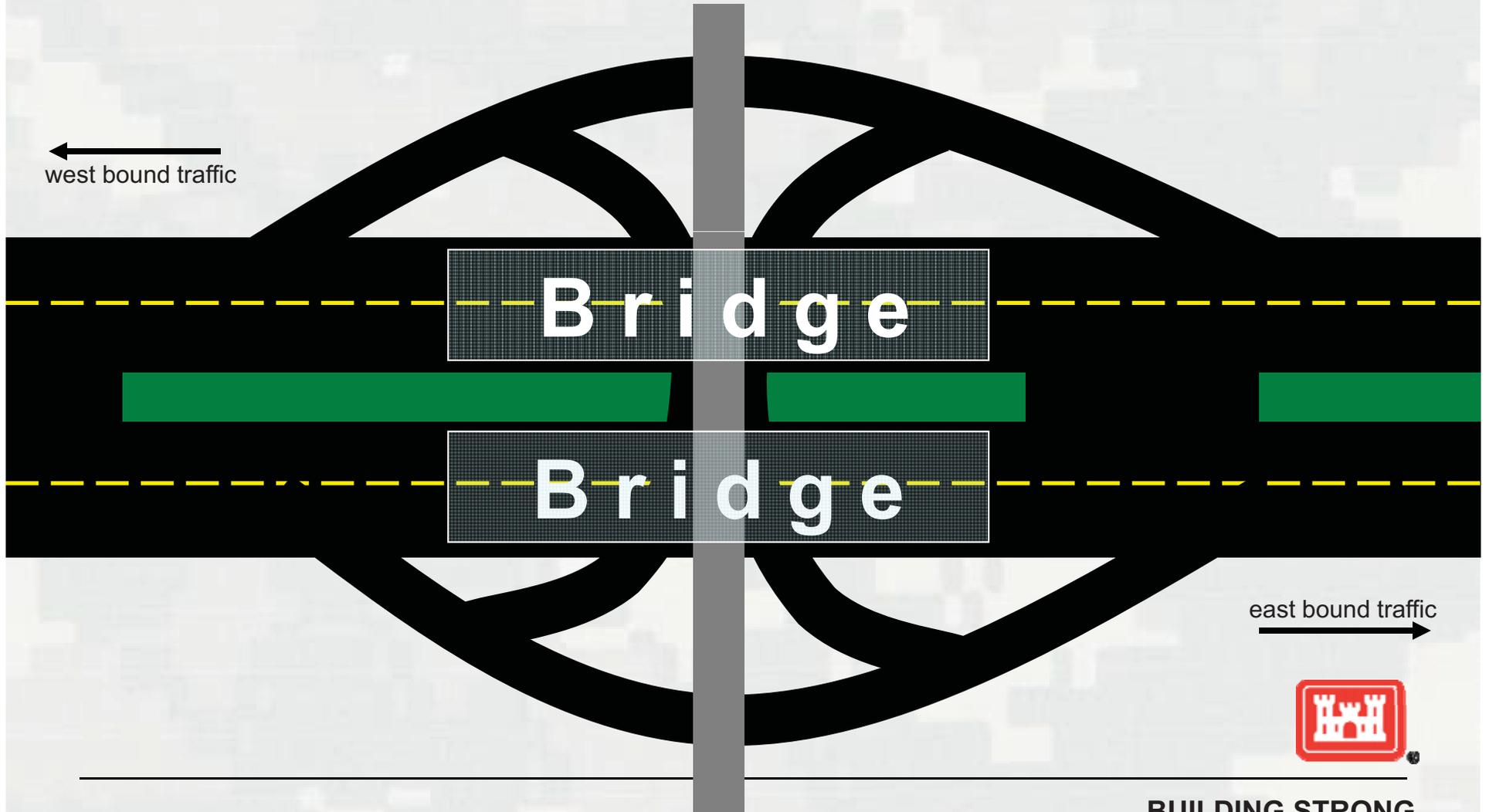


Hwy 90 Detour

- Two detour lanes north and south of Highway 90 will remain in place following the construction of the bridge to:
 - Provide access to adjoining properties
 - Serve as U-shaped turnaround lanes underneath the bridge
 - Allow access to bridge for routine maintenance inspection



Hwy 90 Detour



Not to scale

Roller Gate vs. Ramp at LA-18

- Original plan (approved in IER 16) was a roller gate at LA-18
- Plan was re-evaluated due to concerns raised about evacuation events
- Revised plan developed in conjunction with:
 - Office of Coastal Protection and Restoration
 - Department of Transportation and Development
 - St. Charles Parish



Ramp Option

- The ramp was selected over the floodgate
 - Risk/reliability
 - Shorter project duration
 - Less Operations and Maintenance
- Provide continuous access
- Allow traffic to continue on the highway during storm events
- Preferred alternative by the non-federal sponsor



Ramp Construction Impacts

- Increased traffic along LA-18 near construction site for approx 45-60 days
- Re-route traffic (bypass road and detour)
- Impact small wooded area



LA-18 / River Road Detour Update



Current Conditions

Luling to Cytec

Route:

- Luling
- River Road (LA-18)
- Total travel 7.3 miles
- Travel time: 12min

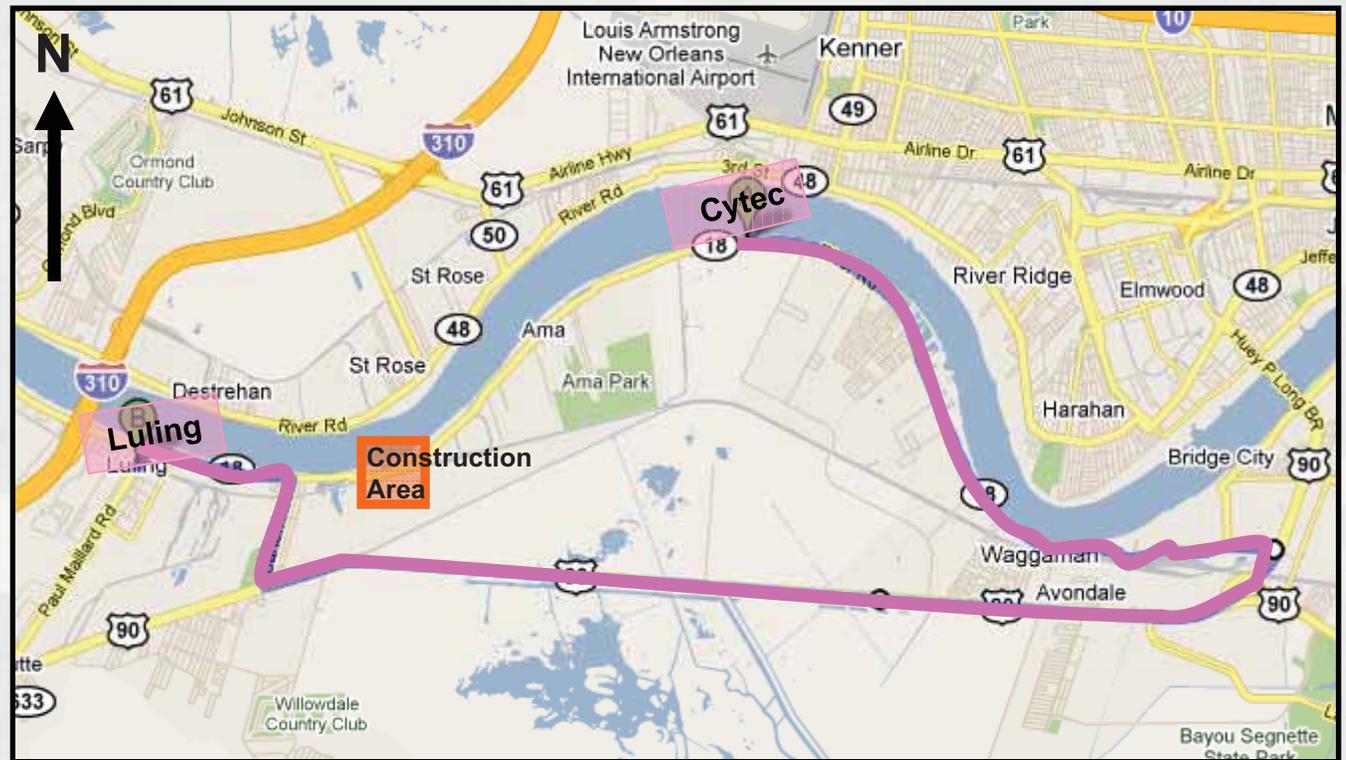


Detour Route

Luling to Cytec

Route:

- Luling
- River Road (LA-18)
- Barton Ave
- Hwy 90
- River Rd
- Total travel 20 miles
- Travel time: 29 min



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Current Conditions

Hahnville to Avondale Shipyards

Route:

- Hahnville
- River Road (LA-18)
- Total travel 17.5 miles
- Travel time: 28 min



Detour Route

Hahnville to Avondale Shipyards

Route:

- Hahnville
- River Road (LA-18)
- Barton Ave
- Highway 90
- Avondale Garden Rd
- Total travel 17 miles
- Travel time: 29 min



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Bypass Road Alternatives Considered

- Controlled Single Lane Access South of LA-18
- Bridge Across Davis Pond Diversion Canal
- Railroad Spur Removal for 2 Lane Access
- Controlled Two-Lane Access on the North & South of LA-18
- Two-Lane Access South of LA-18



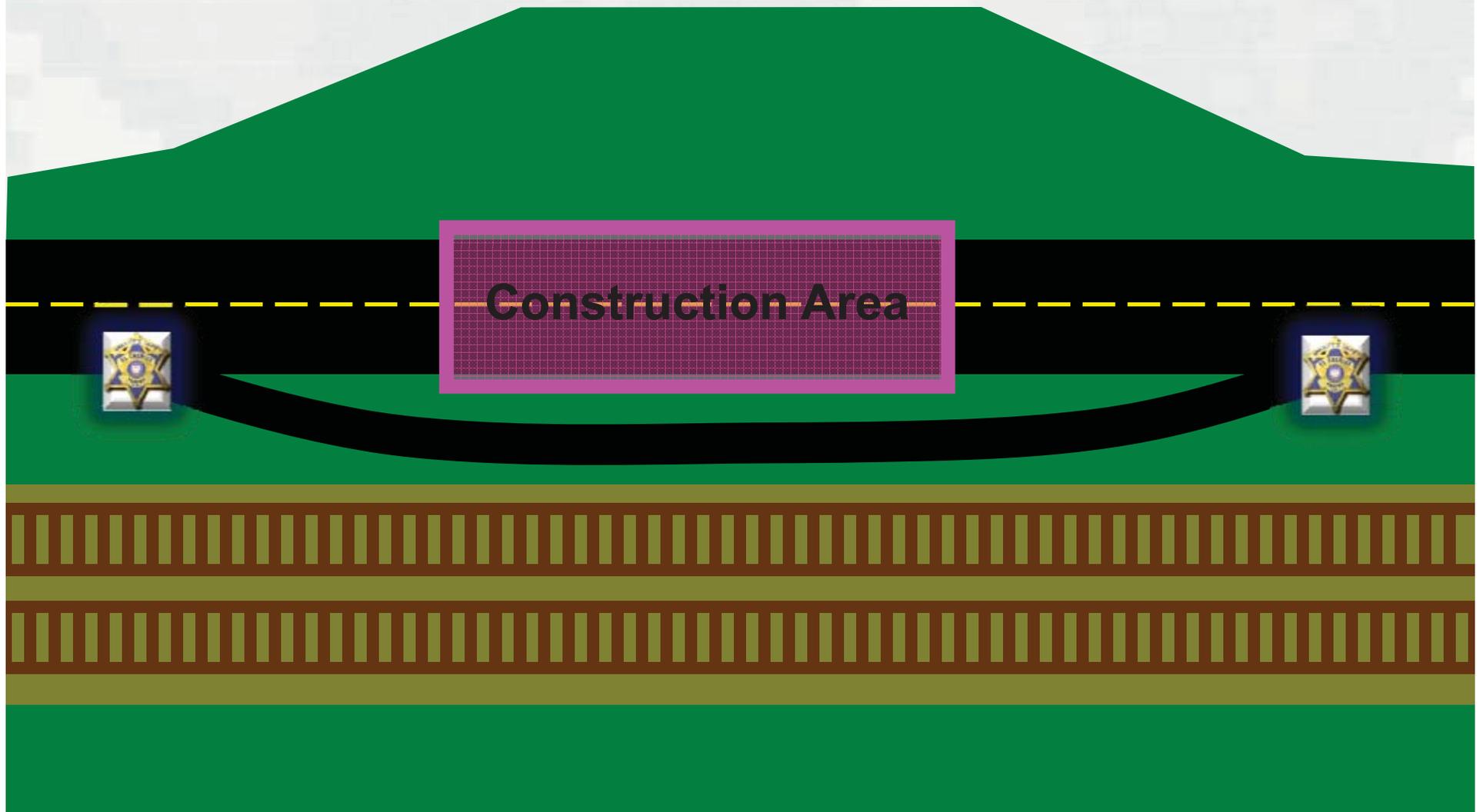
Limiting Factors for Bypass Road

- Construction Right of Way (ROW)
- Cost
- Timeline
- Railroad capacity
- DOTD detour requirements



LA-18 Bypass Road

*Controlled Single Lane Access South of LA-18
Described in IER Supplemental 16*



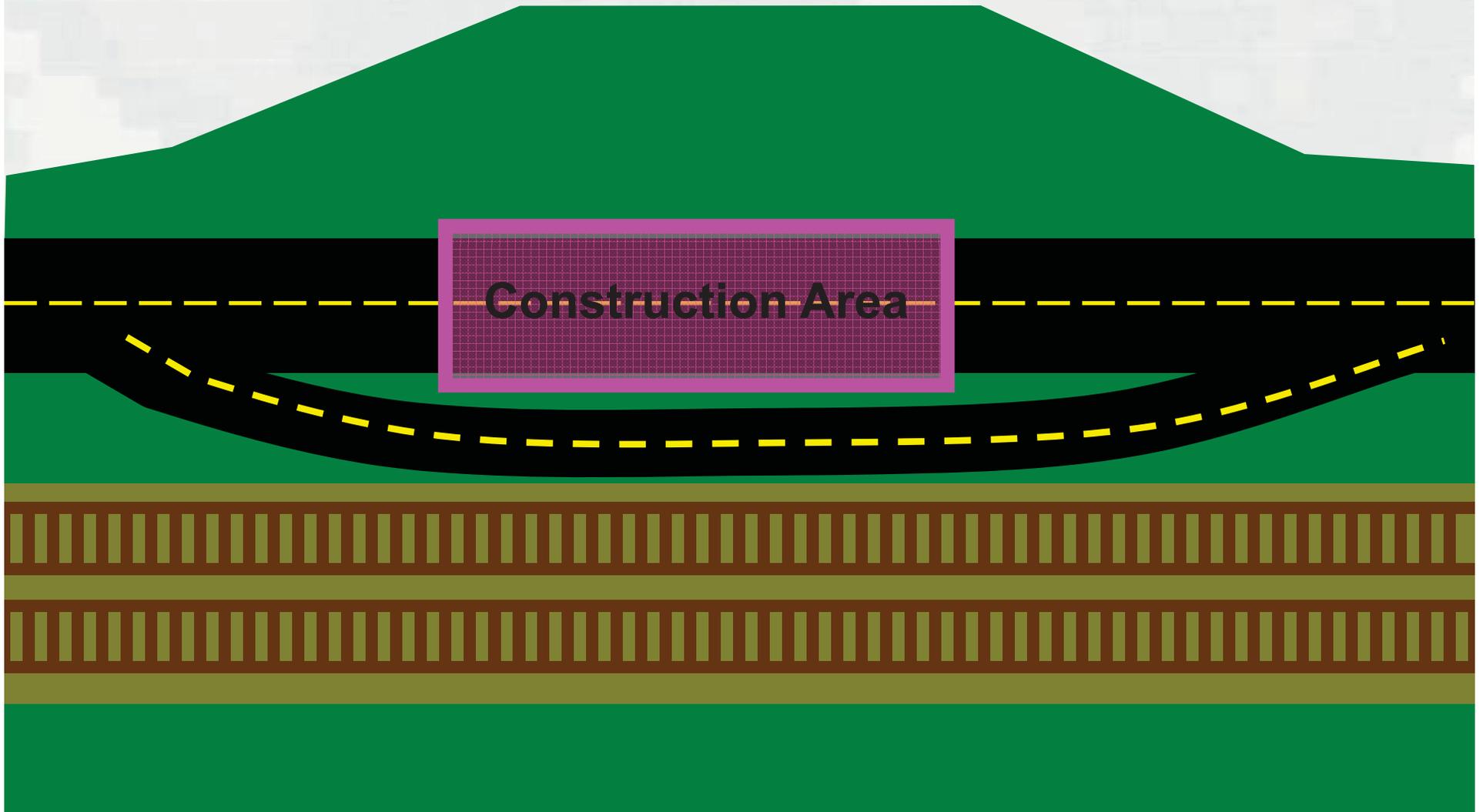
Proposed Action

Controlled Single Lane Access South of LA-18
Described in IER Supplemental 16



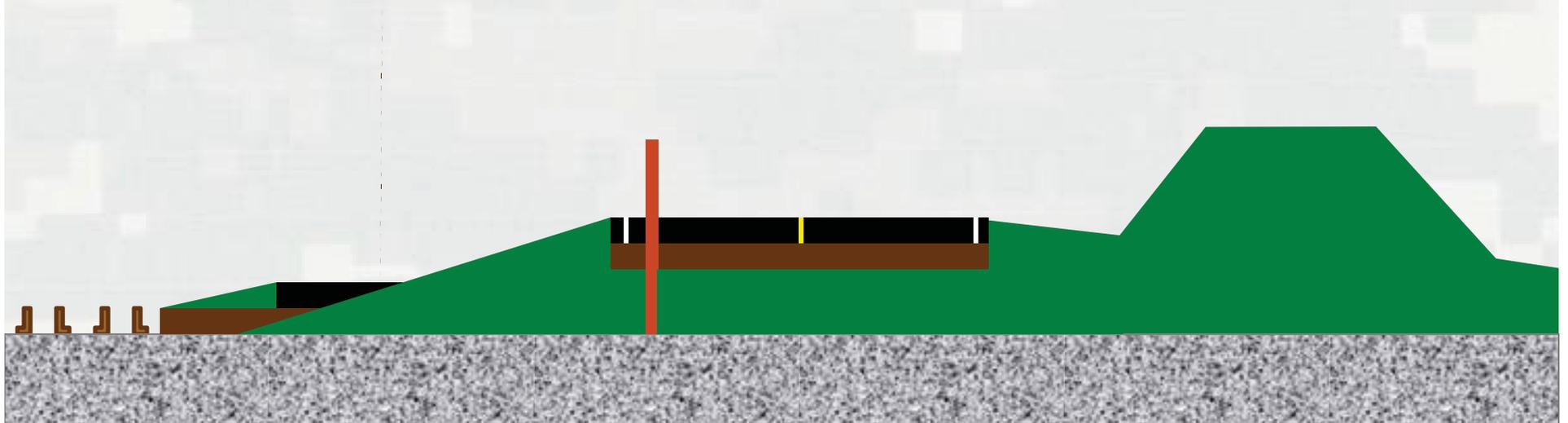
LA-18 Bypass Road

Two-Lane Access South of LA-18
Path Forward



Two-Lane Access Road South of LA-18

Current Landscape
Possible Construction Landscape



Facing West



Not to scale

30

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Proposed Ramp Benefits

- St. Charles Parish Sheriff Deputies may need to control traffic
- Maintains safe conditions for construction workers
- Would not require additional Right-of-Way
- Would not require the removal of any adjacent structures
- Preliminary design is complete
- Shortest construction duration allows completion of risk reduction features by June 2011
- Does not require additional re-design



Proposed Action Summary

- ***Two-lane Access Road selected for:***

1. Safety
2. Constructability and Time
3. Total Project Costs
4. In response to feedback from community, St. Charles Parish elected officials, Office of Coastal Protection and Restoration, St. Charles Parish School Board, St. Charles Sherriff's Office, LA Department of Transportation and Development, Lafourche Levee District, etc.

- **Alternative Comments**

1. Crossing Davis Pond would be unsafe for commuters, would require at grade railroad crossings and is cost prohibitive
2. Permission to remove the Railroad Spur is highly unlikely, very time consuming and extremely expensive
3. Detouring traffic to both the North and South of the project would be unsafe for construction workers. Property on north side of LA-18 is slated for utility relocations



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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)



Upcoming Public Meetings

Thursday, July 15, 2010

LCA - Terrebonne Basin Barrier Shoreline Restoration
FS Dumas Auditorium
301 West Tunnel Blvd.
Houma, LA 70360
Open house is from 6 to 7:00
Presentation begins at 7:00 p.m.

Tuesday, July 27, 2010

Belle Chasse tunnel construction public meeting
Bayou Barriere Golf Clubhouse
7427 Hwy 23
Belle Chasse, LA 70037
Open house is from 6 to 6:30
Presentation begins at 6:30 p.m.



Currently Available for Public Review

- Individual Environmental Report Supplemental 16.a
Comment period:
Friday, June 25 - Saturday, July 24



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Resources

www.nolaenvironmental.gov

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 [EIR 2 Public Comment Period 5/6 - 6/4](#)
- Draft [EIR 13 Comment Period extended to 5/18](#)
- Draft [EIR 5 Public Comment Period 5/4 - 4/3](#)
- Draft [EIR 16 Public Comment Period 5/1 - 5/30](#)
- Draft [EIR 6 Public Comment Period 4/24 - 5/23](#)
- [EIR 6 - The Clean Water Act Section 404 Public Notice Comment Period 4/24 - 5/23](#)
- [Orleans Parish Pump Station Stormwater EA #474 Drafts Public Comment Period 4/17 - 5/23](#)
- [Jefferson Parish Pump Station Stormwater EA #475 Drafts Public Comment Period 4/24 - 5/20](#)
- Draft [EIR 10 Public Comment Period 4/13 - 5/12](#)

Upcoming

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

Newly Available

- [New Release 06 May 09 Draft EIR 5](#)
- [EIR 5 - Phase 2 Final Report: Operating Scenario Analysis \(more\)](#)

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

Public Information

[Learn more about what the Corps is doing to reduce risk. Browse Emergency Information Flood Damages, Coastal Protection, Inland Flooding and More...](#)

TOP HEADLINES

[Document confirms action on Hurricane 10/11/09](#)

[SOUTH MISSISSIPPI ENVIRONMENTAL DOCUMENT FOR PUBLIC REVIEW](#)

[EIR 10 Public Comment Period Ends](#)

[SOUTH MISSISSIPPI ENVIRONMENTAL DOCUMENT FOR PUBLIC REVIEW](#)

[EIR 5 - Phase 2 Final Report: Operating Scenario Analysis](#)

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?

FEATURED VIDEOS

[Meet Colonel Campbell Learn more about the Hurricane & Storm Damage Risk Reduction System.](#)

[Hurricane & Storm Damage Risk Reduction System From levees to pumping stations, 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>

