



US Army Corps of Engineers
Team New Orleans



Greater New Orleans Hurricane and Storm Damage Risk Reduction System

Westbank and Vicinity Projects

Individual Environmental Report 13 Hero Canal and Eastern Tie In

Mr. Ted Carr, Project Manager
Mr. Bill Maloz, Project Manager
St. Paul's Benevolent Association Hall
Apr. 29, 2009

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Why we are here tonight

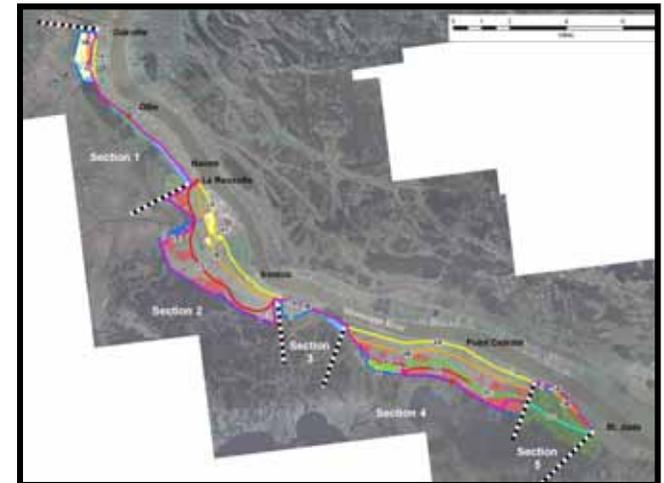
- To discuss the proposed action that will reduce risk to communities from Belle Chasse to Oakville and other areas of the Westbank. The project will connect the Westbank and Vicinity portion of the Greater New Orleans Hurricane and Storm Damage Risk Reduction System to the Mississippi River levee in upper Plaquemines Parish
- To provide a brief status of the Plaquemines Parish Non-Federal Levee project



Congressional Authority

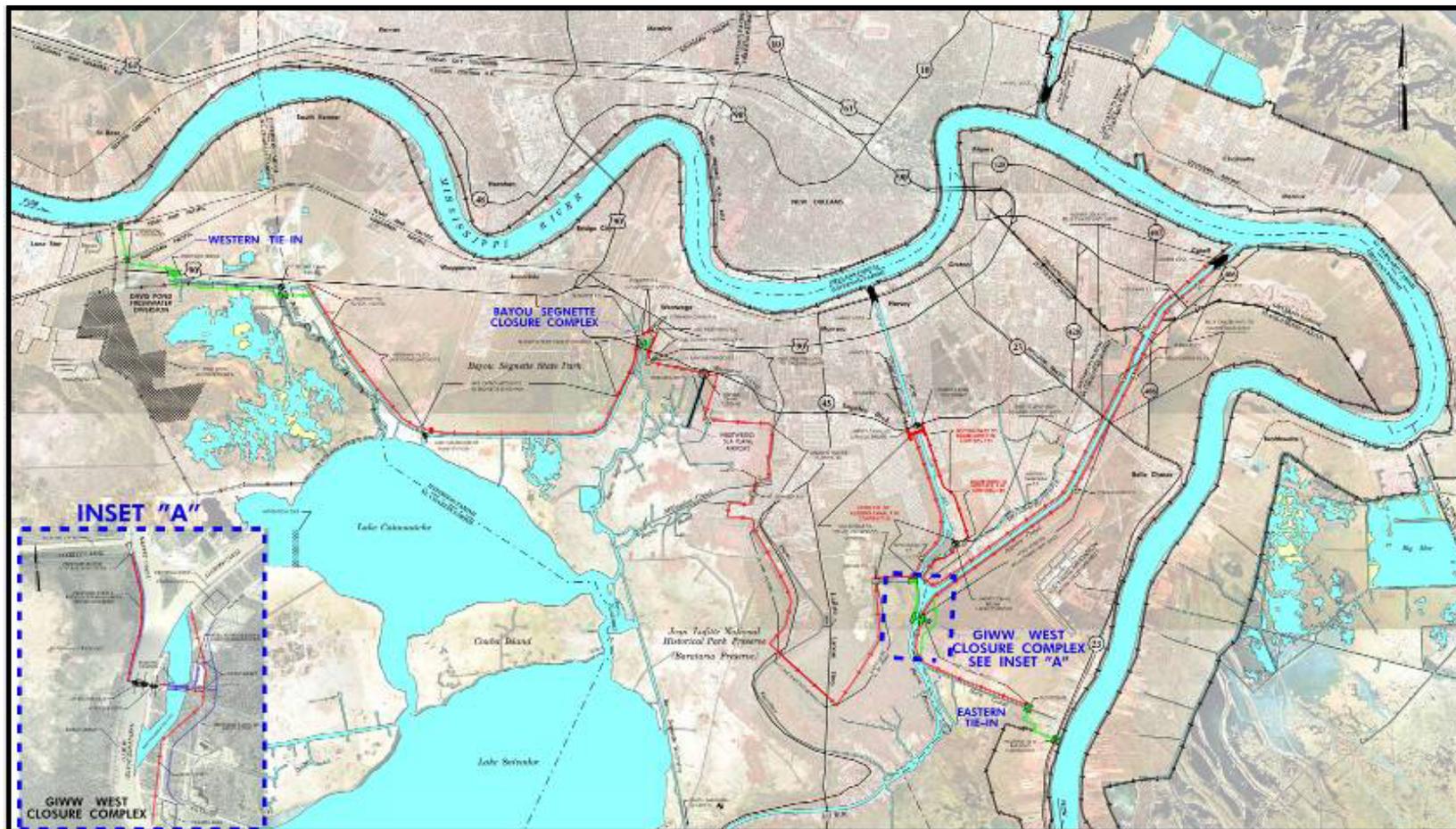
Plaquemines Parish risk reduction features are authorized by separate Congressional authorities

- **1996 Water Resources and Development Act amended the previously authorized West Bank project to provide "hurricane protection" to areas east of the Algiers Canal extending from Belle Chasse to and including Oakville, La in Plaquemines Parish**
- **2006 Congress authorized the New Orleans to Venice (Plaquemines Parish Non-Federal Levees) to reduce risk from Oakville to two miles north of St. Jude, LA**





Westbank and Vicinity Risk Reduction



- Current or approved alignments
- Proposed or recommended alignments



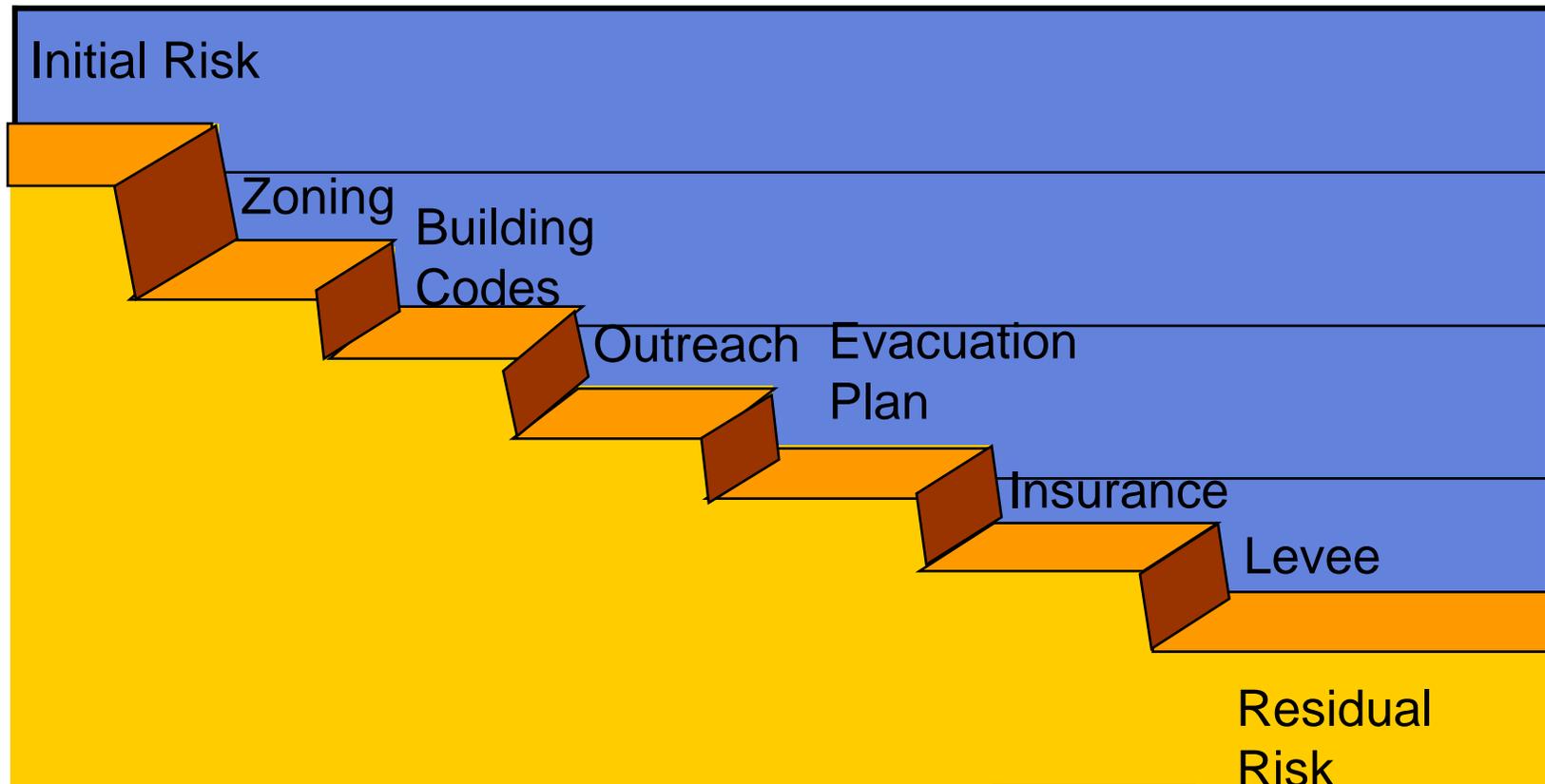
National Environmental Policy Act: NEPA

- Required of all major federal actions
- Analyze potential impacts to the human and natural environment and investigate reasonable alternatives
- Public Involvement is KEY! We want to hear from you!
- Goal: more informed decision making through public involvement
- Analysis documented in Individual Environmental Reports (IER)



Buying Down Risk

All stakeholders contribute to reducing risk!



Risk Reduction Tools
(Cumulative)

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Hero Canal and Eastern Tie In (IER 13)

Proposed Action:

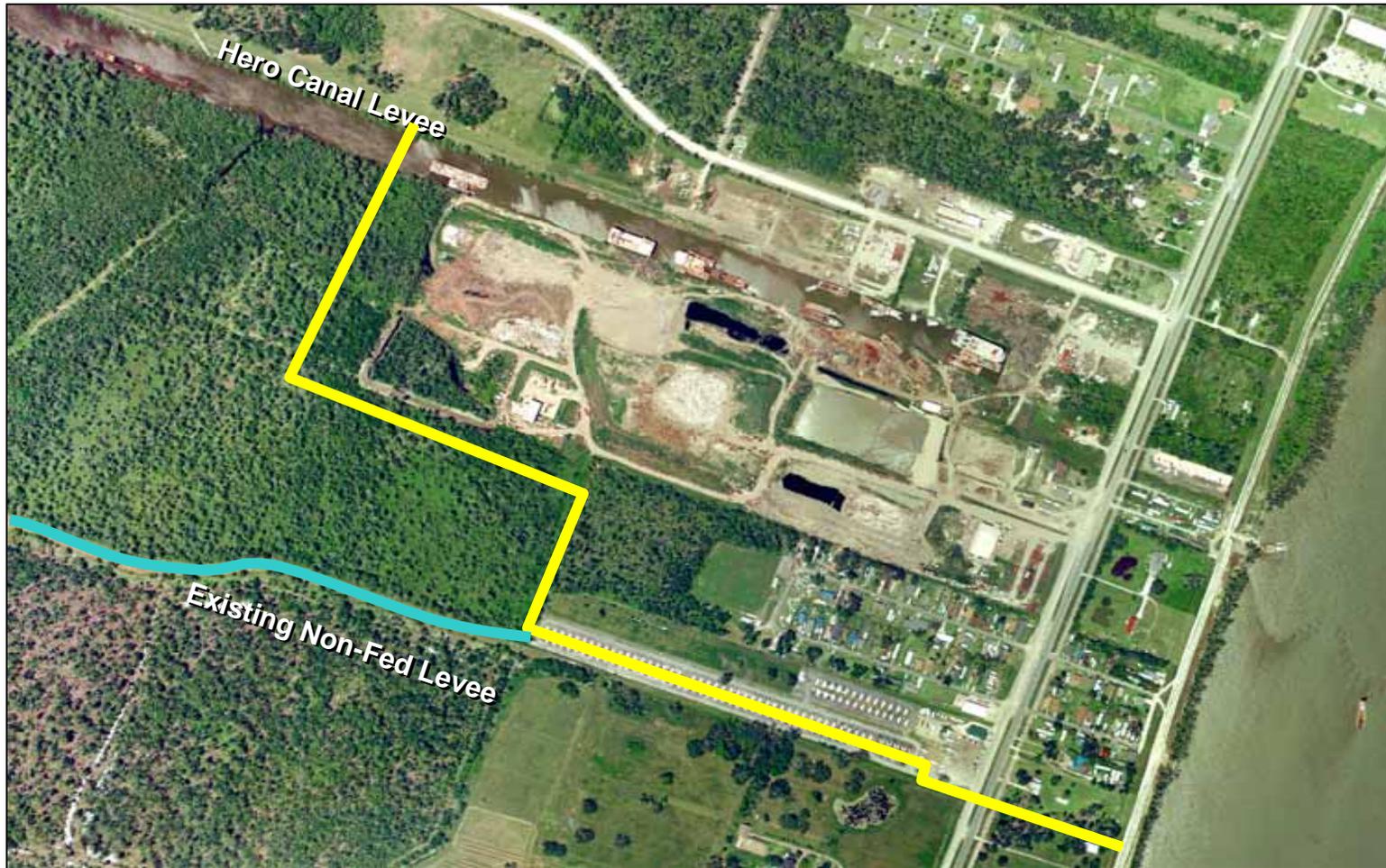
- Raise/expand existing Hero Canal Levee to design elevation 10.5 ft
- Construct the Eastern Tie In levee to design elevation 10.5 ft
- Connect the GIWW West Closure Complex to the Mississippi River levee





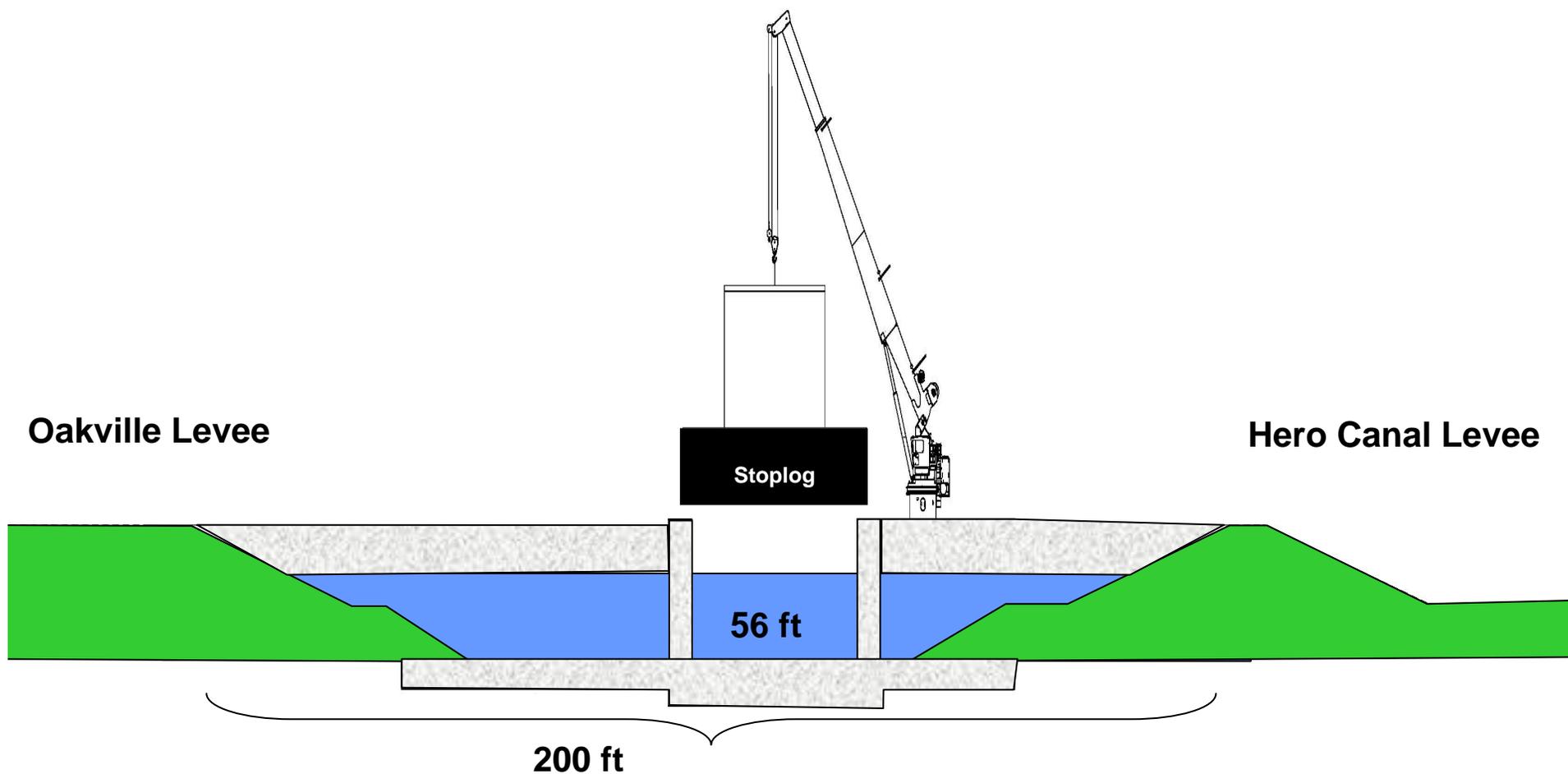
Eastern Tie In

Proposed Action: Alternative 1





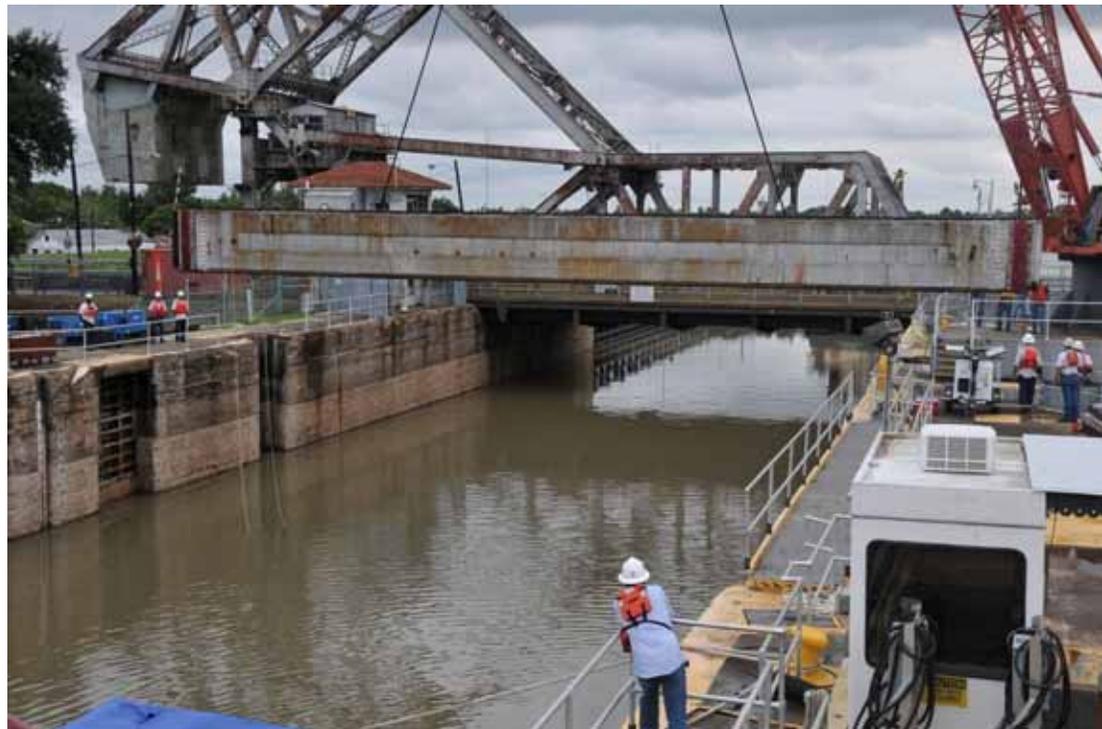
Hero Canal Stoplog Gate (cross section)





Hero Canal Stoplog Gate

- Proposed action includes construction of a stoplog gate across Hero Canal
- Two to three metal stoplogs would be used to close the Hero Canal
- Stoplogs would be placed 72-hours before a tropical event



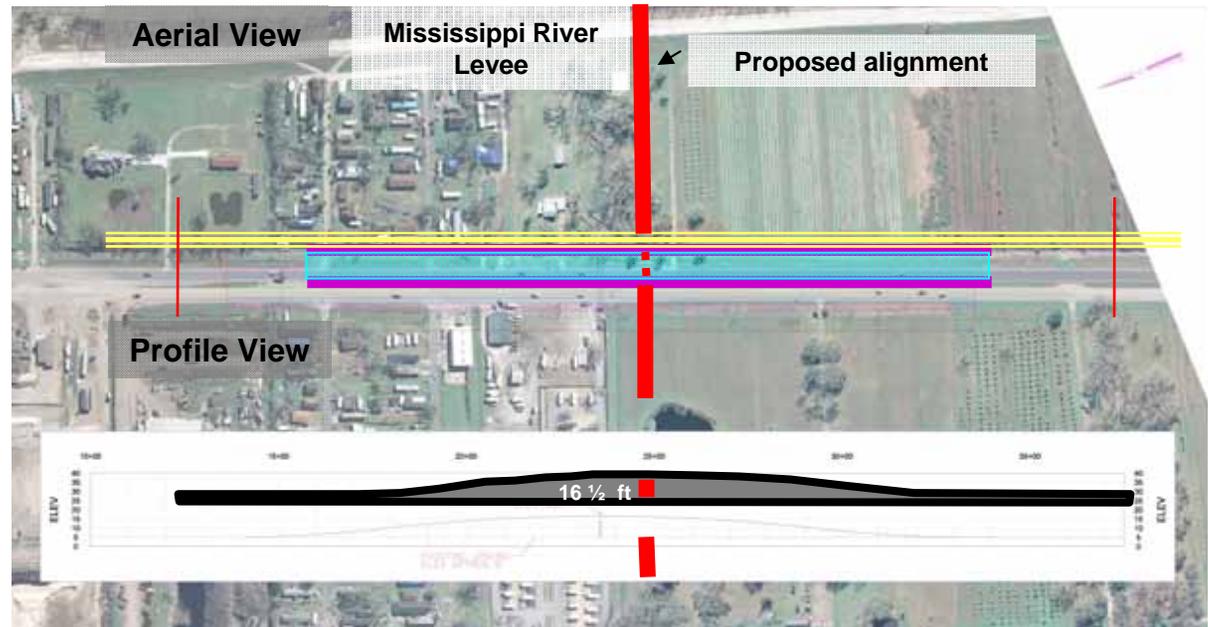
The stoplog concept proposed at the Hero Canal is similar to the gate used to de-water the Industrial Canal Lock in New Orleans



Changes to Previously Described Alternative

Proposed Action: Alternative 1

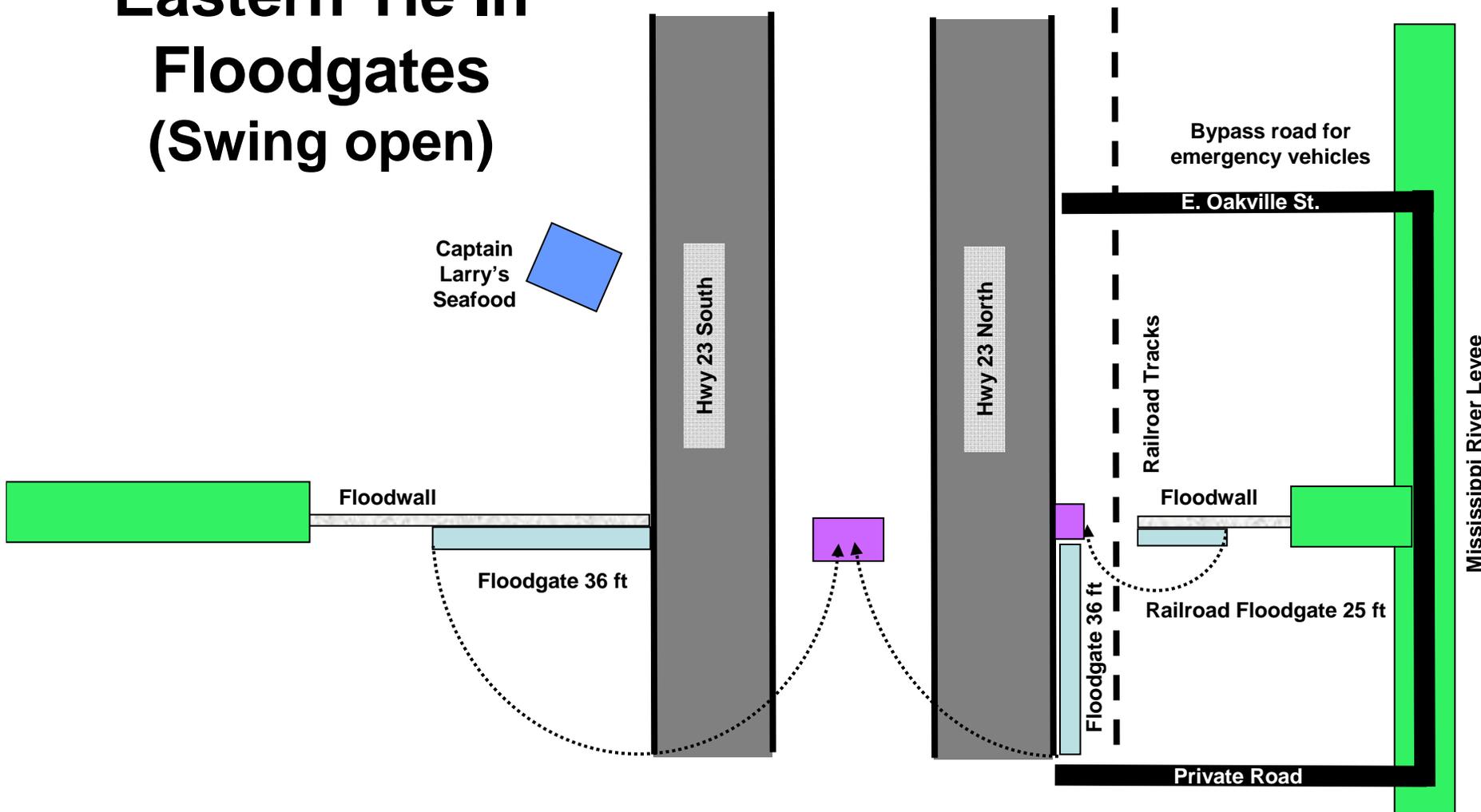
- Feedback offered at a Jan. 8, 2009 public meeting opposed construction of a bridge over the Hwy 23 floodwall
- Project team consulted with Office of Coastal Protection and Restoration, Louisiana Department of Transportation and Development and Plaquemines Parish to develop the proposed action of floodgates



The project team originally recommended an elevated bridge over the floodwall



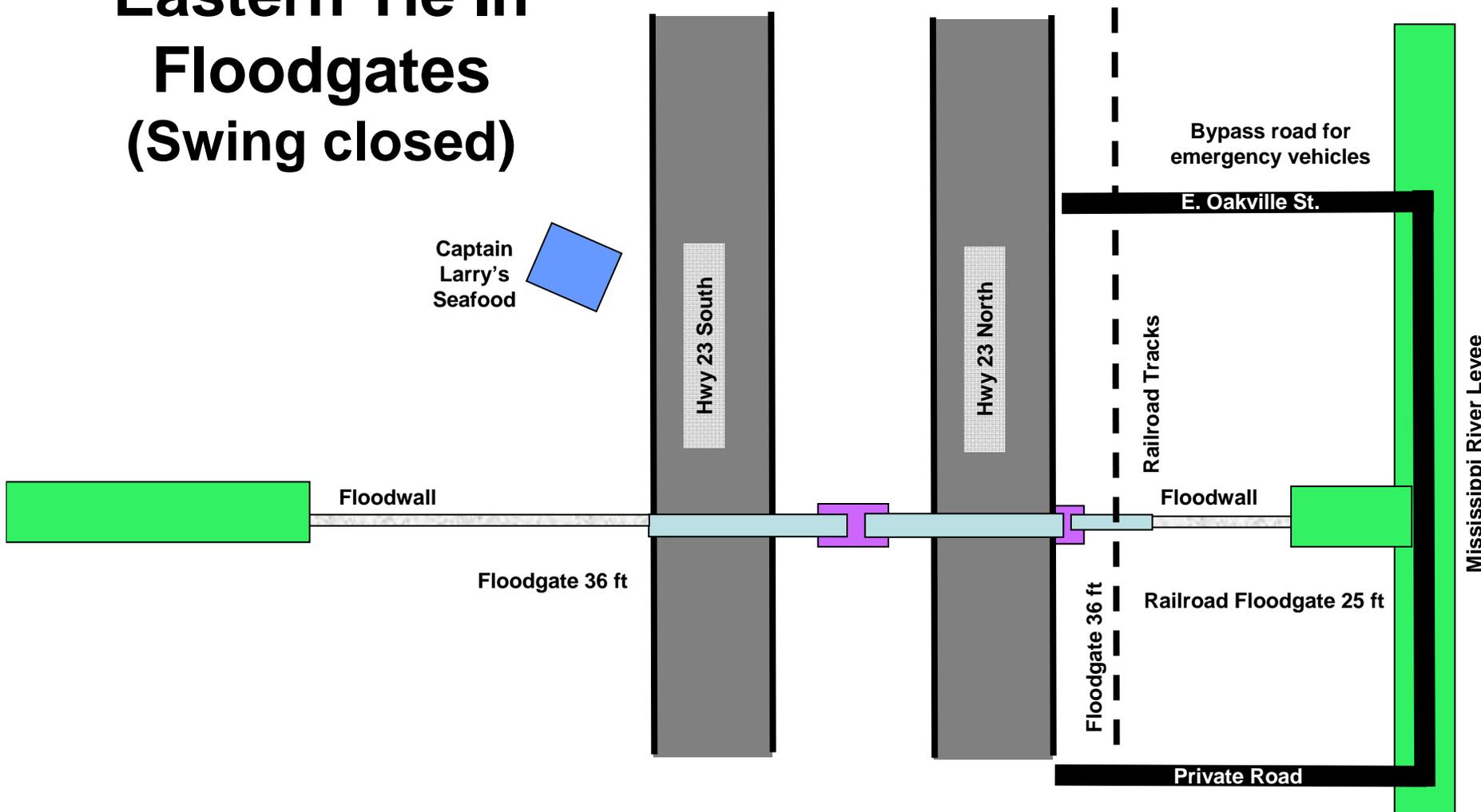
Eastern Tie In Floodgates (Swing open)



Not to scale



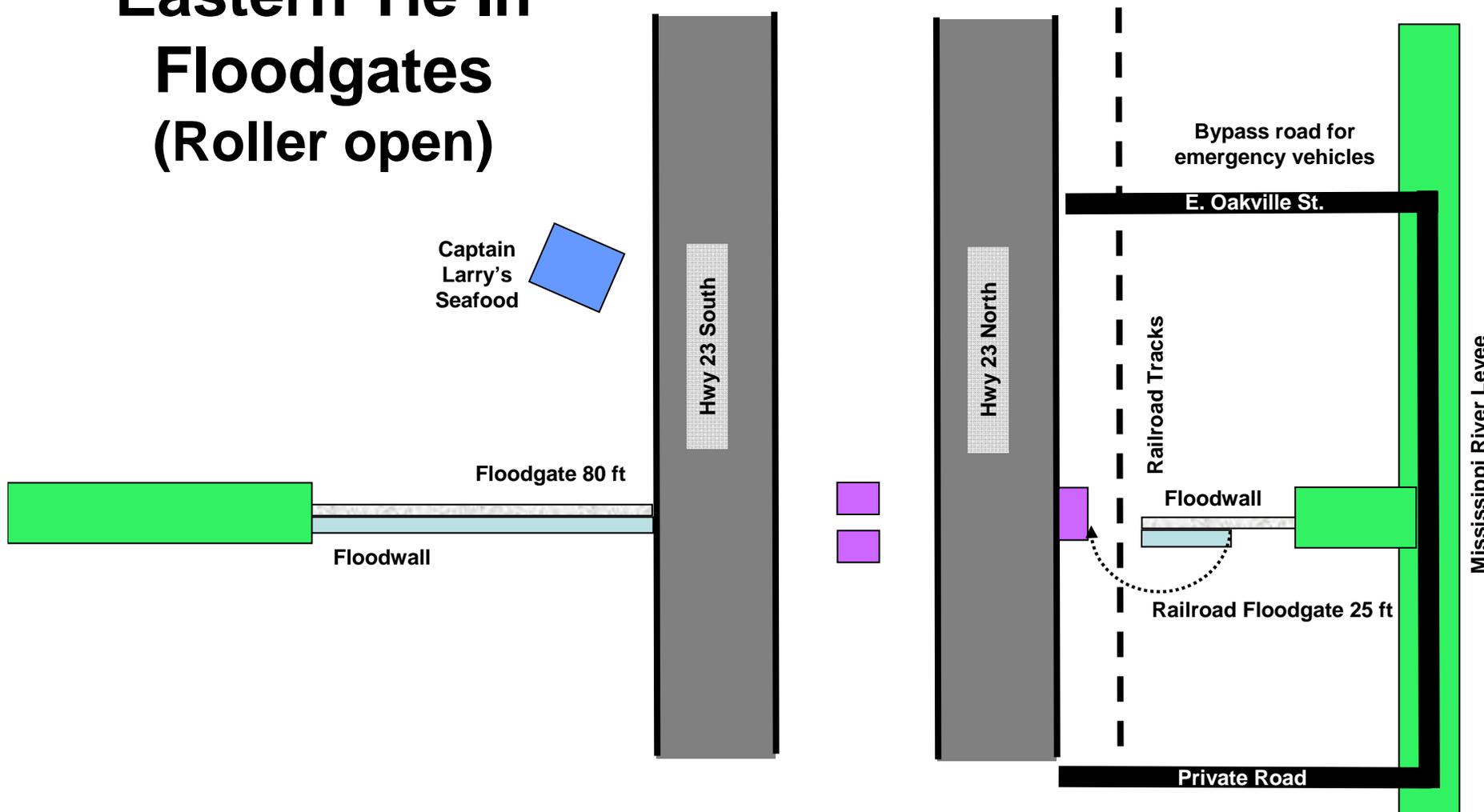
Eastern Tie In Floodgates (Swing closed)



Not to scale



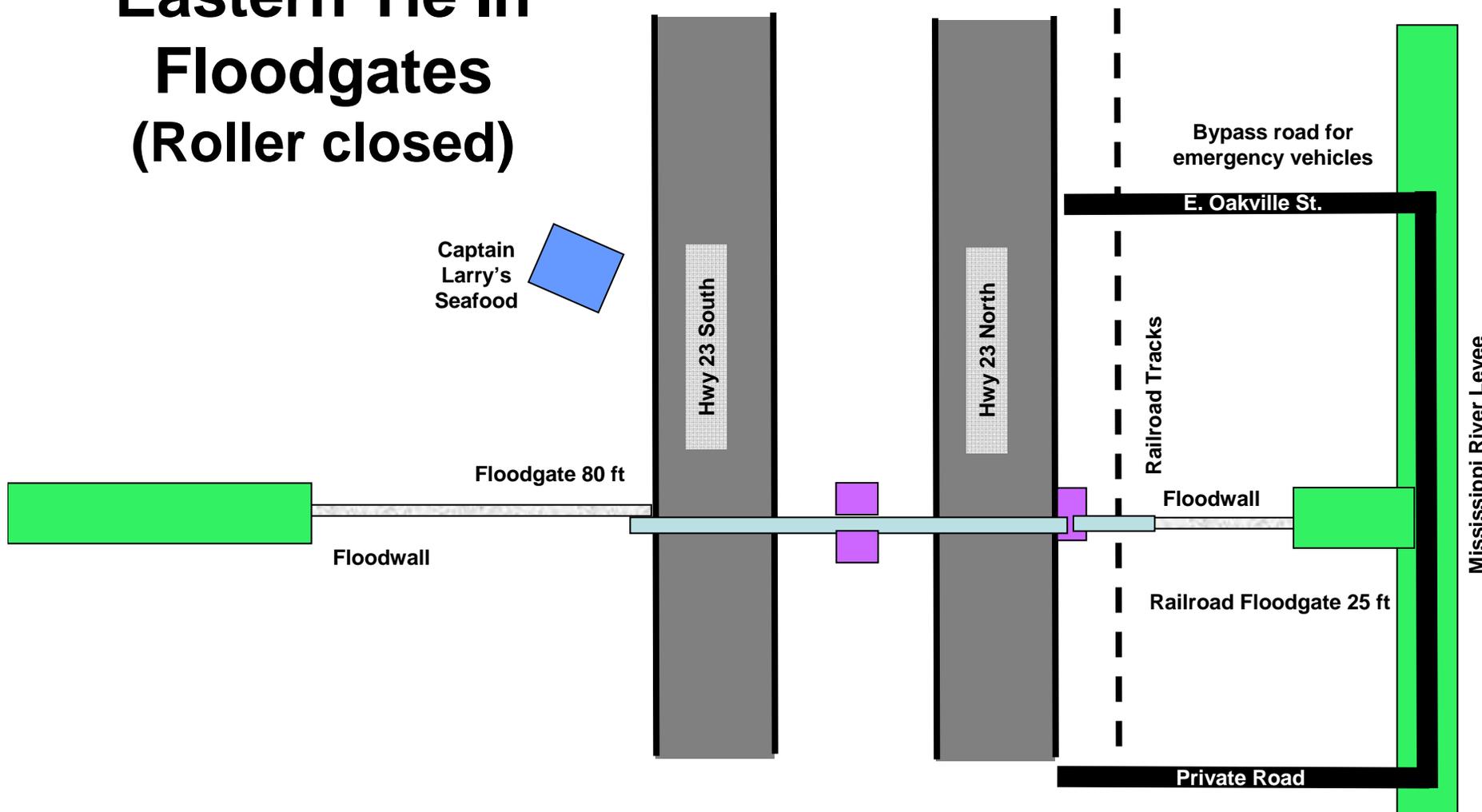
Eastern Tie In Floodgates (Roller open)



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Eastern Tie In Floodgates (Roller closed)



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Connection to Plaquemines Parish Non-Federal Levee Project





Status of Plaquemines Parish Non-Federal Levee Project

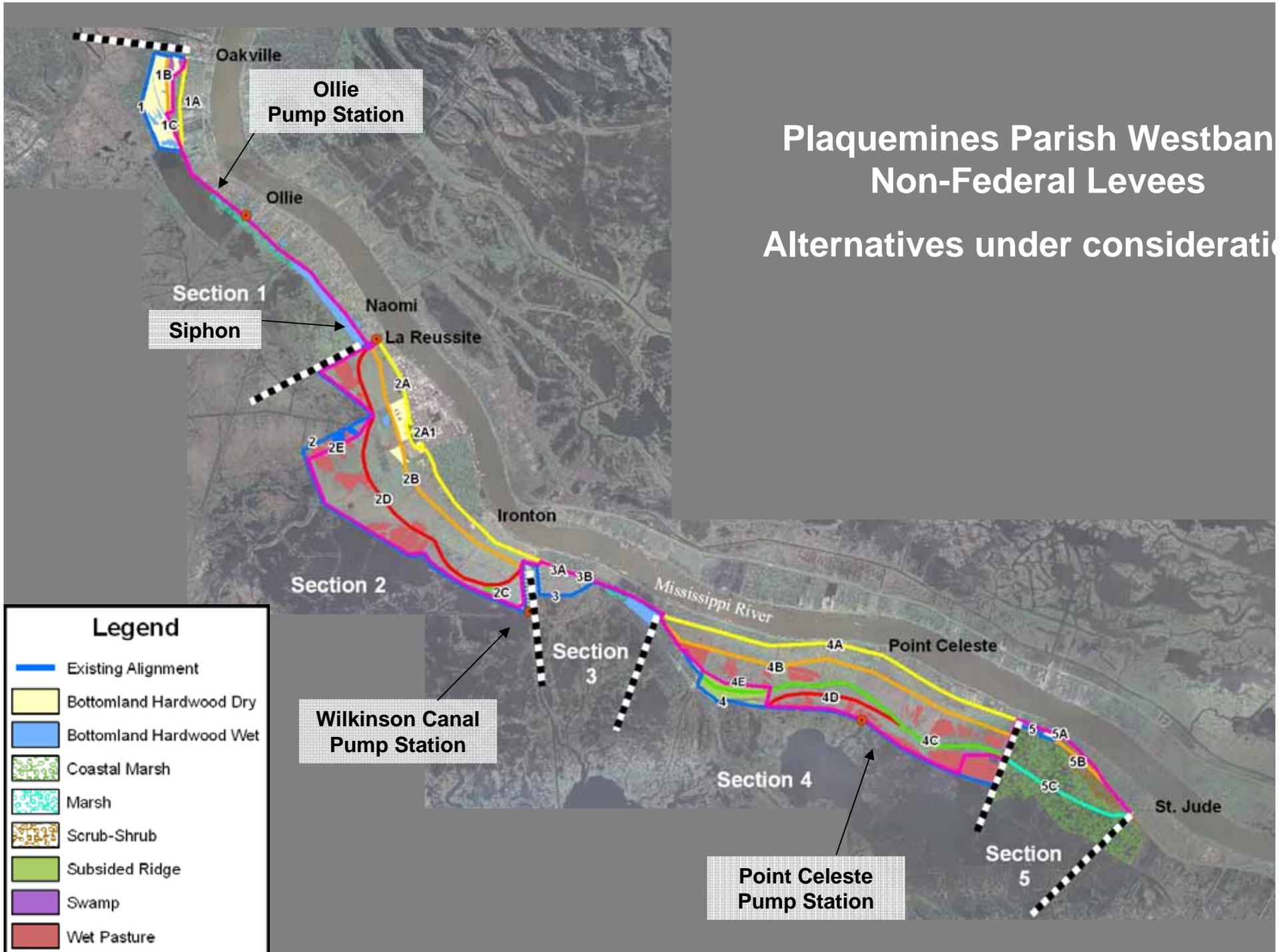
Multiple alignments under investigation using criteria, including:

- Risk reduction for people and infrastructure
- Public feedback
- Protection of Highway 23
- Cost considerations
- Avoidance of wetlands
- Avoidance of cultural resources

Authorization limits the potential alternatives

- “Repair or modification” of existing alignment

Plaquemines Parish Westbank Non-Federal Levees Alternatives under consideration





Plaquemines Parish Non-Federal Levee Project Path Ahead

- **Draft Supplemental Environmental Impact Statement in progress**
- **Record of Decision (ROD)**
- **Project Partnering Agreement**
- **Acquisition of Right of Way**
- **Construction Begins**
- **Construction Complete in 2013**



Hydrologic Impacts to lower Plaquemines Parish

- **Eastern Tie In floodgates reduce storm surge and associated wave risk to Belle Chasse area**
- **West Bank and Vicinity project, including the Eastern Tie In floodgate, would not create additional flood risk to lower Plaquemines Parish when the Plaquemines Parish Non-Federal Levees are completed**



Upcoming Public Meetings

- **May 4, 2009**
 - Plaquemines Parish Non-Federal Levee project and Eastern Tie In at Belle Chasse Auditorium
- **May 11, 2009**
 - St. Bernard risk reduction at St. Bernard Parish Council Chambers
- **May 13, 2009**
 - Bonnet Carre Spillway Masterplan Update at La Maison Magnolia
- **May 17, 2009**
 - Bonnet Carre Spillway Masterplan Update at Bonnet Carre Spillway Pavilion
- **May 19, 2009**
 - St. Tammany Parish at Slidell Auditorium



IERs Currently Available for Public Review

- **IER 13** – Hero Canal Levee and Eastern Terminus
 - Released for public review and comment: Apr. 3, 2009
 - Comment period extended to: May 4, 2009
- **IER 10** – Lake Pontchartrain and Vicinity, Chalmette Loop Levee
 - Released for public review and comment: Apr. 13, 2009
 - Comment period extended to: May 12, 2009
- **IER 6** – Lake Pontchartrain and Vicinity, New Orleans Citrus Lakefront Levee
 - Released for Public Review and Comment: Apr. 24, 2009
 - Public Comment Period closes: May 23, 2009

Note - copies available at www.nolaenvironmental.gov or by request



Opportunities for Public Input

- Regular public meetings throughout New Orleans metro area
- Comments may be submitted at: www.nolaenvironmental.gov

Questions and comments regarding Greater New Orleans Storm Damage Risk Reduction System projects should be addressed to:

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