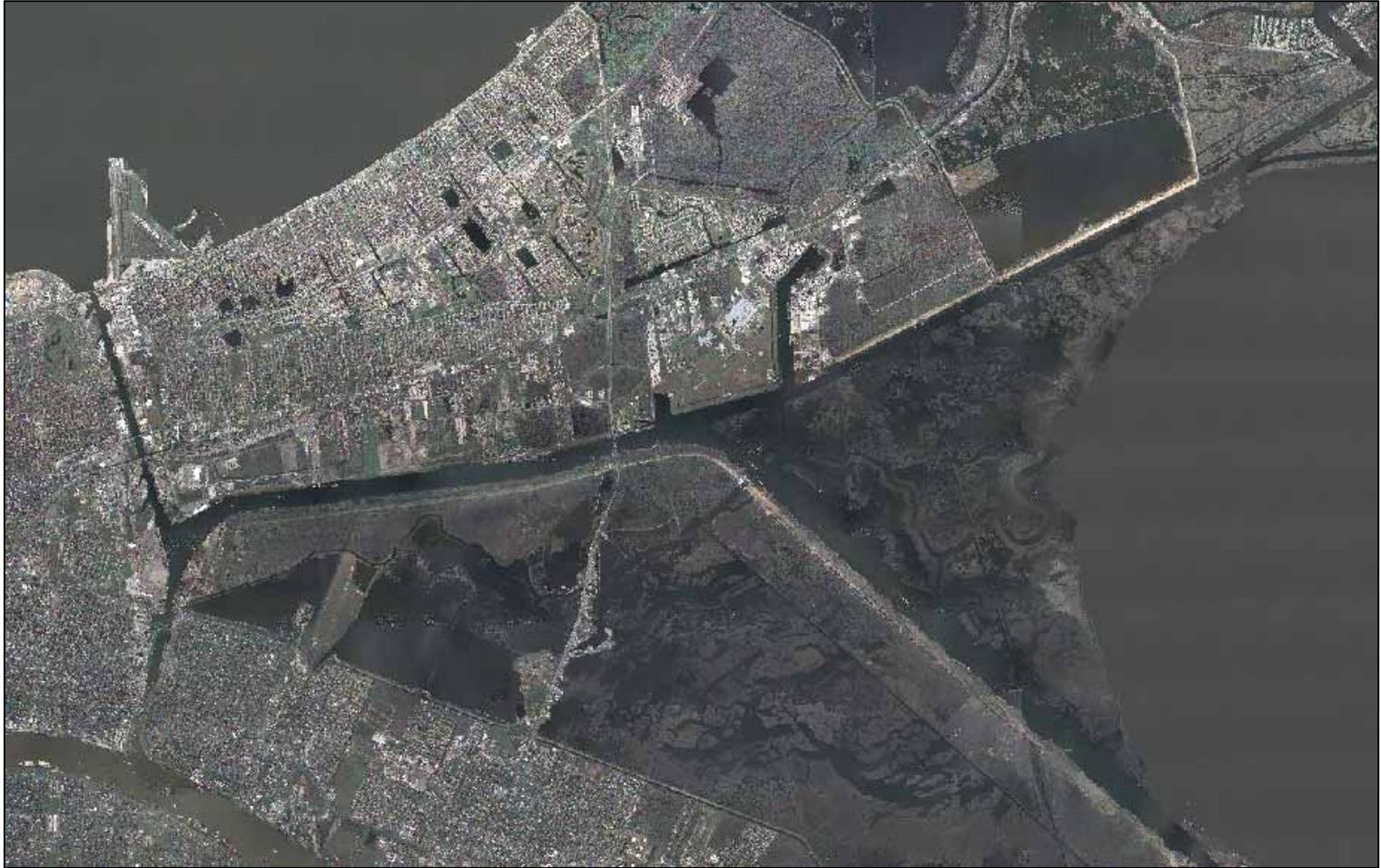


Improving Hurricane Protection on the Inner Harbor Navigation Canal IER #11



Project Purpose

Provide 100-year level of protection to the Inner Harbor Navigation Canal (IHNC) from hurricane-induced storm surges by June 2011.

Advance measures could be in place by the beginning of hurricane season 2009.

Where we've been

- IER #11 Tier 1 Decision Record signed March 14th
- Investigated alternatives for providing improved protection for the IHNC

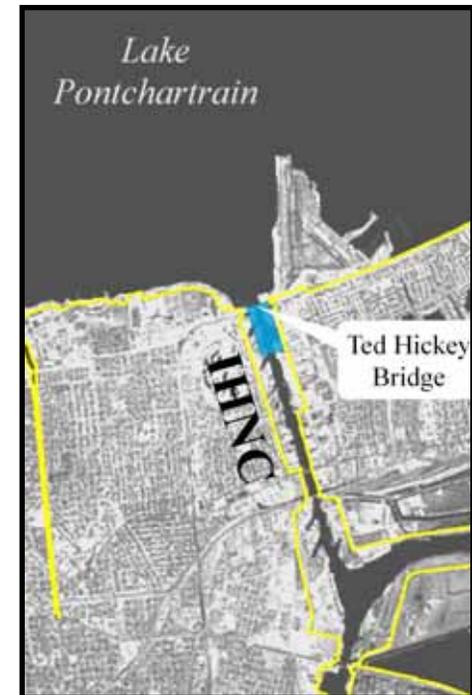
Where we've been

- Selected “Storm Surge Protection Structures” alternative to protect from Lake Borgne surge and Lake Pontchartrain surge
- Selected “Pontchartrain 2” and “Borgne 1” location ranges

Borgne 1



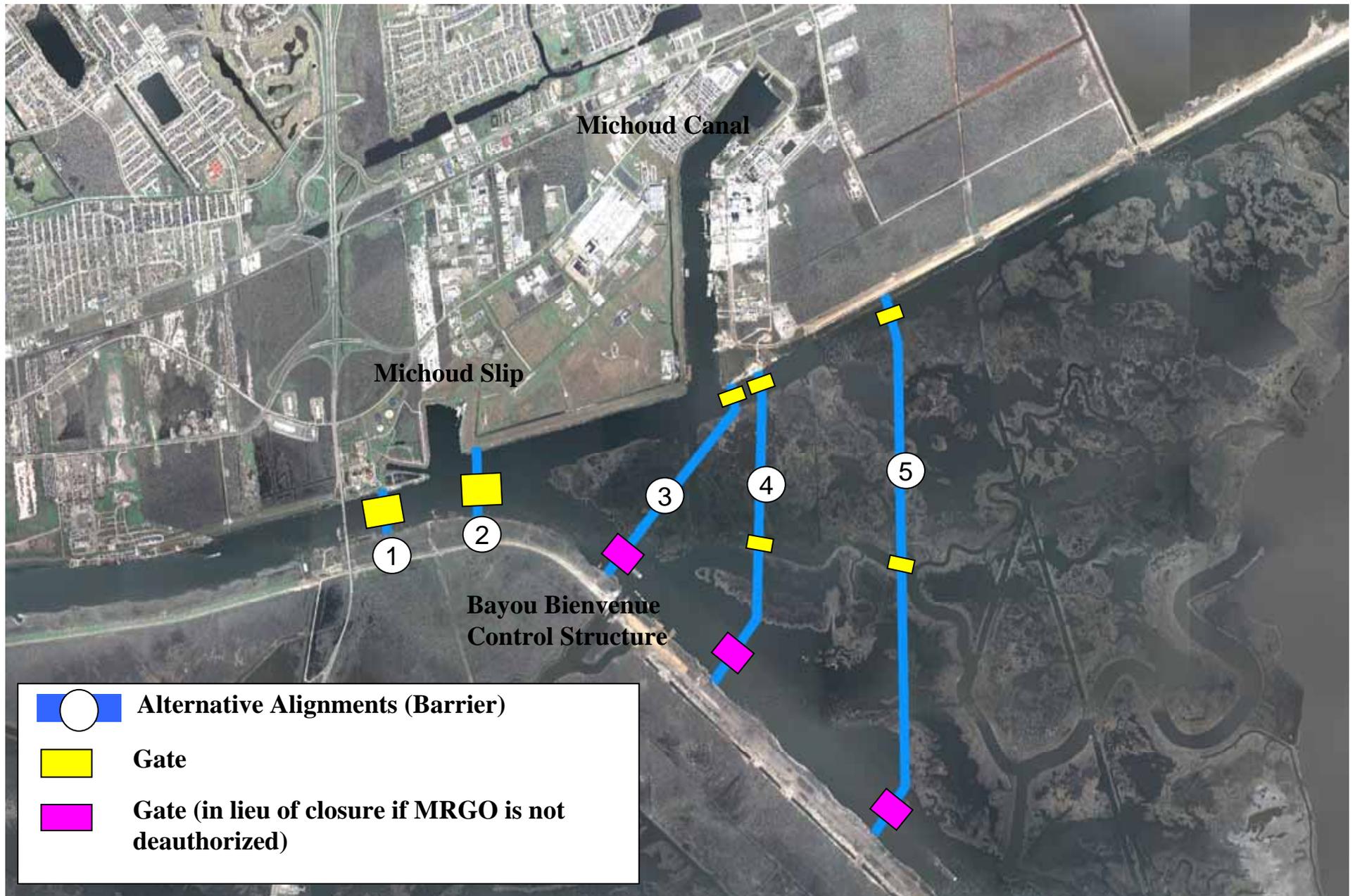
Pontchartrain 2



IER #11 Tier 2: Where we're going

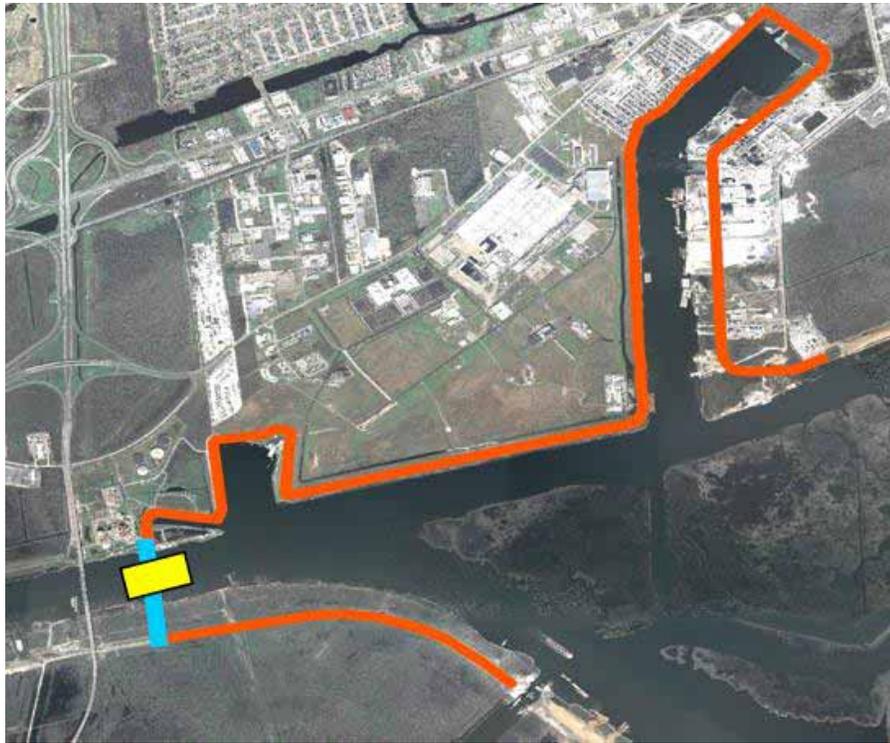
- Two Tier 2 IERs
 - IER #11 Tier 2 Borgne:
 - **Alignment & design alternatives within “Borgne 1”**
 - IER #11 Tier 2 Pontchartrain:
 - **Alignment & design alternatives within “Pontchartrain 2”**
 - **(alternatives to be developed this summer)**

IER #11 Tier 2 Borgne Alternative Alignments Overview



IER #11 Tier 2 Borgne Alternative Alignments

Alignment 1



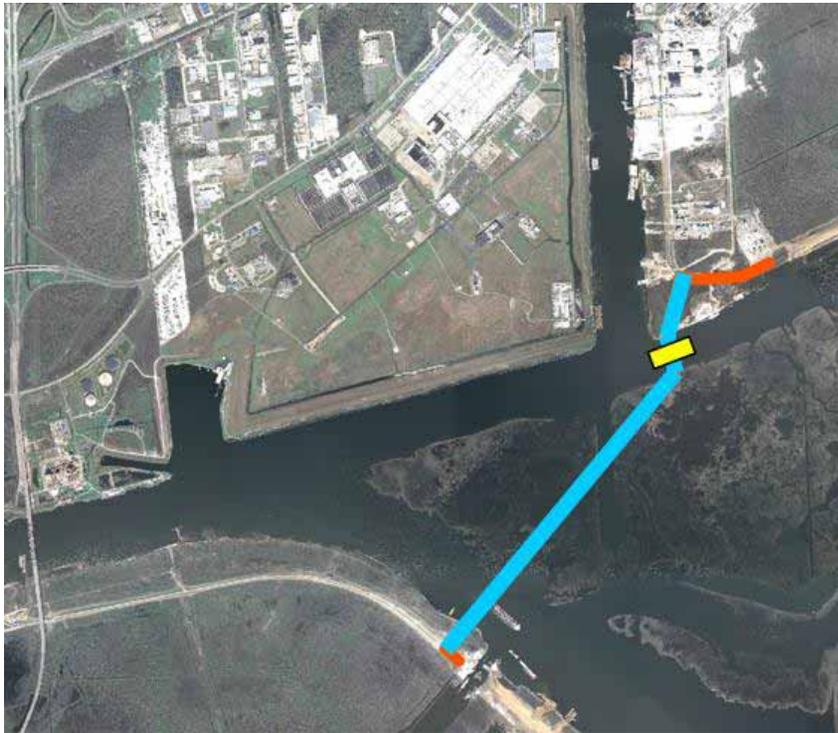
Alignment 2



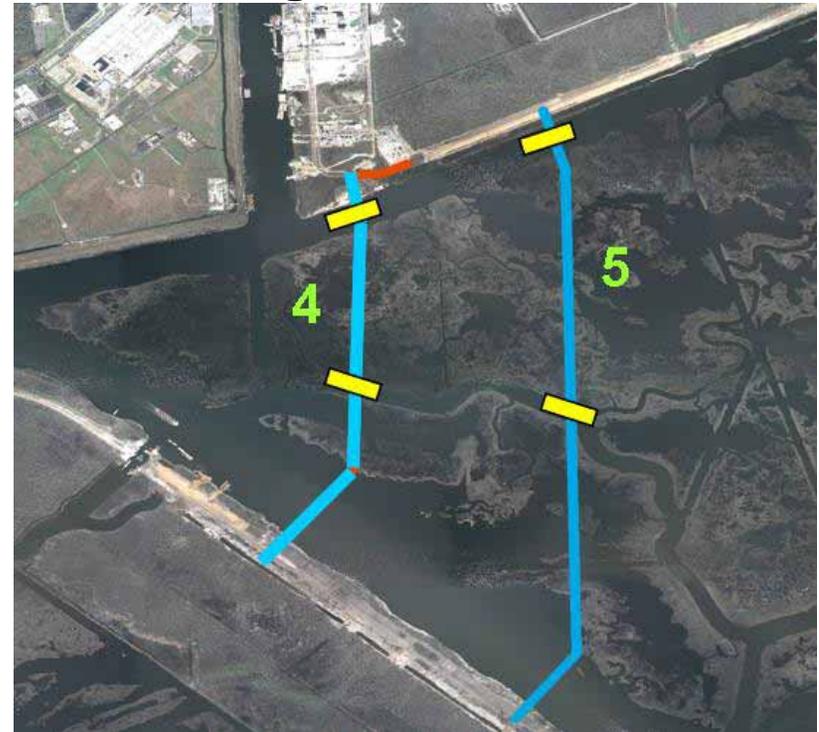
-  Levees & Floodwalls to be Raised
-  Alternative Alignments
-  Gate

IER #11 Tier 2 Borgne Alternative Alignments

Alignment 3



Alignment 4 & 5



- | | |
|---|----------------------------------|
|  | Levees & Floodwalls to be Raised |
|  | Alternative Alignments |
|  | Gate |

Project Feature Alternatives

- Gate
(GIWW gate on all alternative alignments; Bayou Bienvenue gate on alternative alignments 4 & 5)
 - A. Vertical lift gate
 - B. Sector gate
 - C. Concrete barge gate

- **MRGO Closure structure pending de-authorization**
(applicable to alternative alignments 3, 4 & 5)
 - A. Earthen closure
 - B. Sheet pile cells
 - C. Structural walls

Project Feature Alternatives

➤ Barrier

(applicable to alternative alignments 3,4 & 5)

- A-1. Traditional levee
- A-2. Traditional levee with flow structures
- B-1. Geotextile levee
- B-2. Geotextile levee with flow structures
- C-1. Structural wall
- C-2. Structural wall with flow structures