



US Army Corps of Engineers



US Army Corps of Engineers New Orleans District & Environmental Protection Agency Region 6

Public Hearing

Individual Environmental Report 12 &
Request to Modify the
1985 Bayou aux Carpes 404(c) Final Determination

New Orleans District Assembly Room
Feb. 11, 2009

Building Strong



Agenda

- I. **Welcome** – LTC Mark Jernigan
- II. **Discussion of proposed action** – T. Connell, USACE
- III. **Significance of Bayou aux Carpes CWA 404 C** – B. Keeler, EPA
- IV. **Acceptance of comments** – M. Barra, EPA
- V. **Open house** - USACE and EPA



Why we are here tonight

- I. To provide an overview of and accept comments on the Corps' proposed action to reduce risk to communities near the Harvey and Algiers canals as discussed in the Individual Environmental Report 12
- II. For the Environmental Protection Agency to accept comments on the Corps' Request to Modify the 1985 Bayou aux Carpes 404 (c) Final Determination

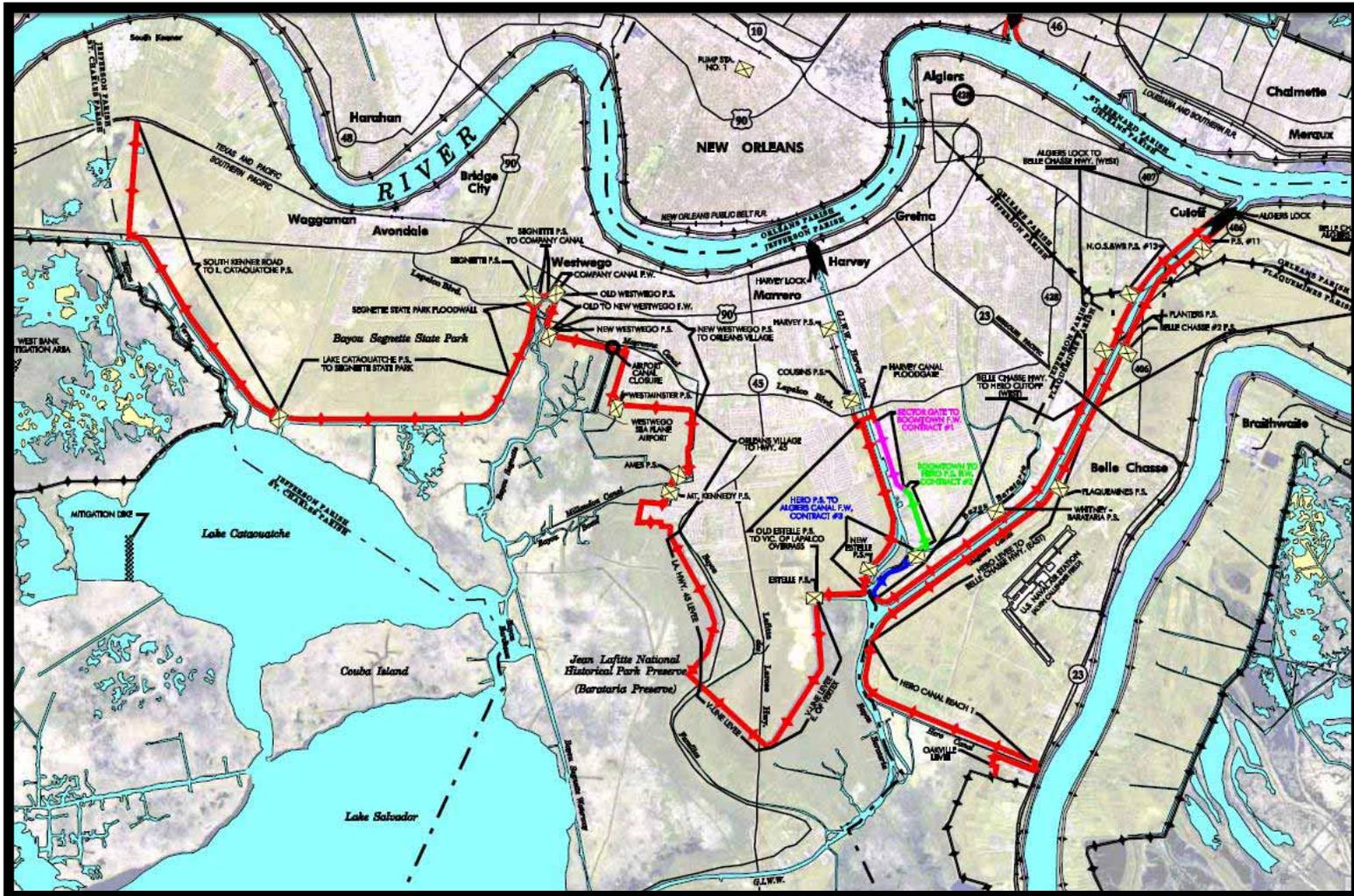


National Environmental Policy Act: NEPA

- 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)

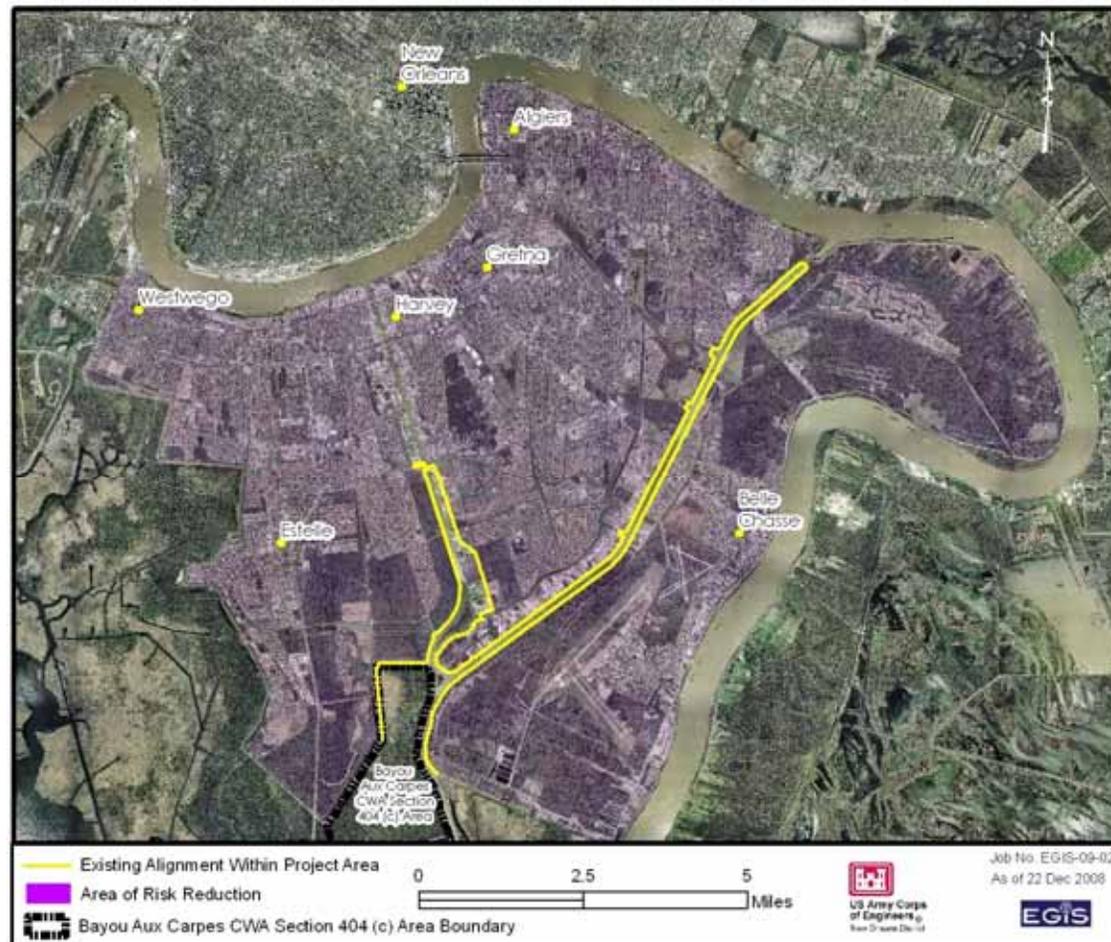


Westbank and Vicinity Hurricane Protection Project





Harvey and Algiers Canals (IER 12)





Project Milestones

- Originally considered a wide range of alternatives
- Developed GIWW West Closure Complex alternative in conjunction with the EPA, National Park Service, Federal and state resource agencies and the public
- Investigated four alternatives in depth
- Developed a working stakeholder group that met monthly





Project Milestones

- Coordinated helicopter flyover and partnering session with EPA and National Park Service
- Engaged state, local parishes, levee boards, Federal and resource agencies
- Hosted 10 official public meetings on this project and participated in a number of neighborhood and association meetings
- Continued to explore feasibility and constructability of the GIWW West Closure Complex along east bank of Bayou aux Carpes



A flyover of the Bayou aux Carpes wetland was Jun. 30, 2008



Project Milestones

- Coordinated technical review meetings with US Coast Guard, navigation industry, Jefferson, Orleans and Plaquemines parishes
- Formally requested Modification to Bayou aux Carpes 404 (c) Final Determination on Nov. 4, 2008
- Corps' released IER 12 for public review and EPA released notice of Request for Modification to Bayou aux Carpes Final Determination on Jan. 5, 2009

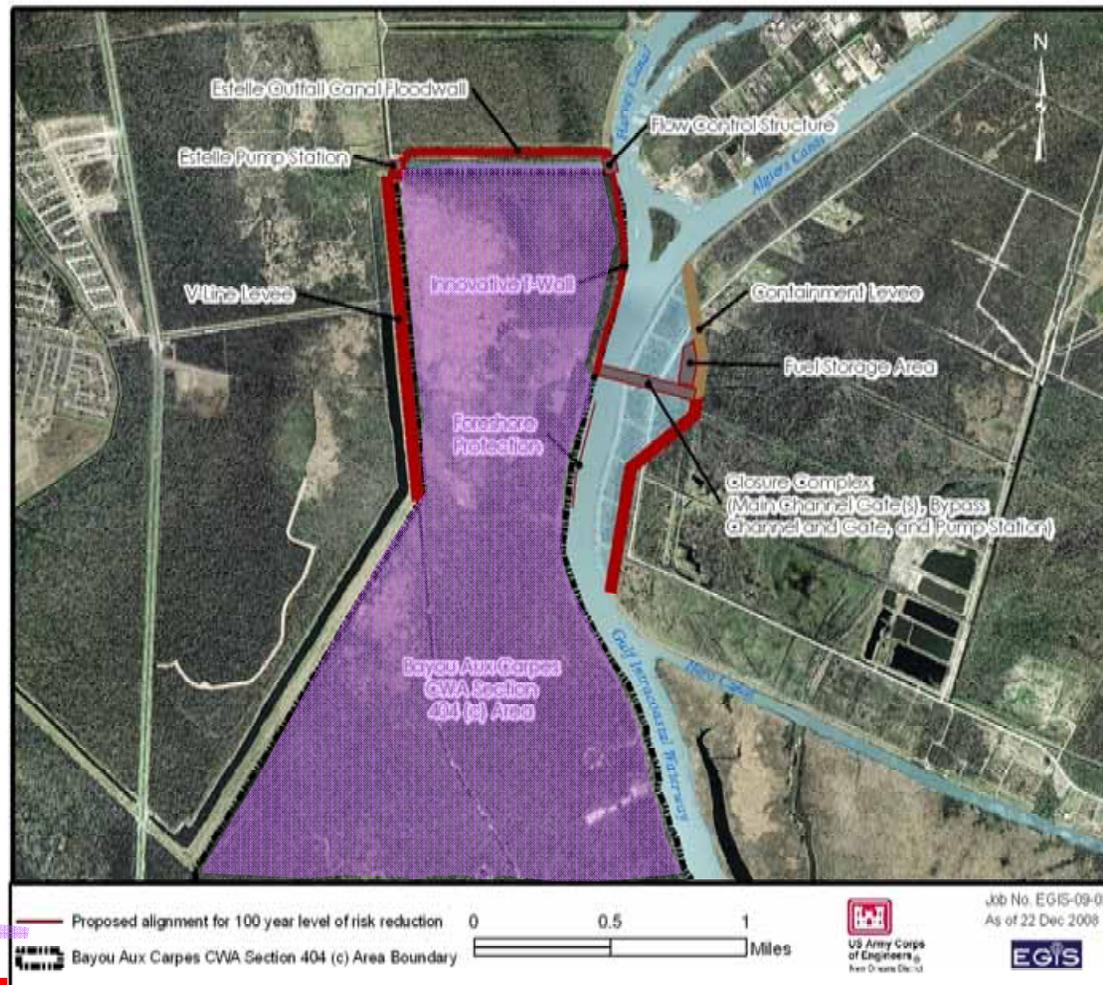


Bayou aux Carpes wetland



Proposed Action

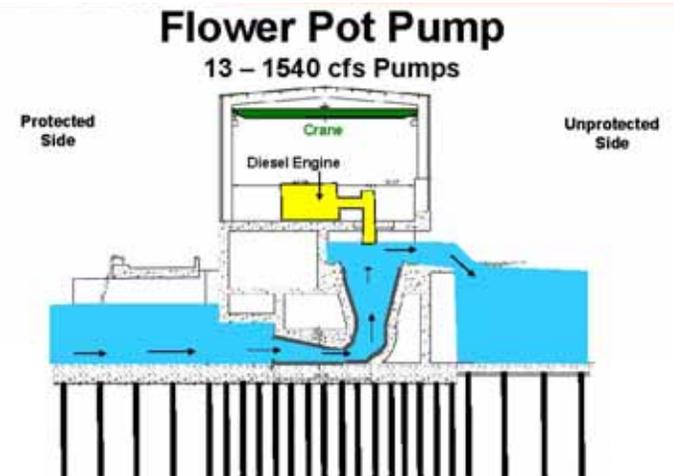
Floodgates on GIWW and Pump Station on GIWW





Proposed Action

- Increased system reliability and risk reduction
- Reduces risk to 245,000 people
- Reduced risk to businesses along the Harvey and Algiers canals
- Construction of navigable floodgates across a major inland commercial waterway without navigation channel closure
- Construction of a permanent bypass channel
- Construction of a 20,000 cubic feet per second pump station using Flower Pot Pumps for the main drainage conveyance channel for the Westank

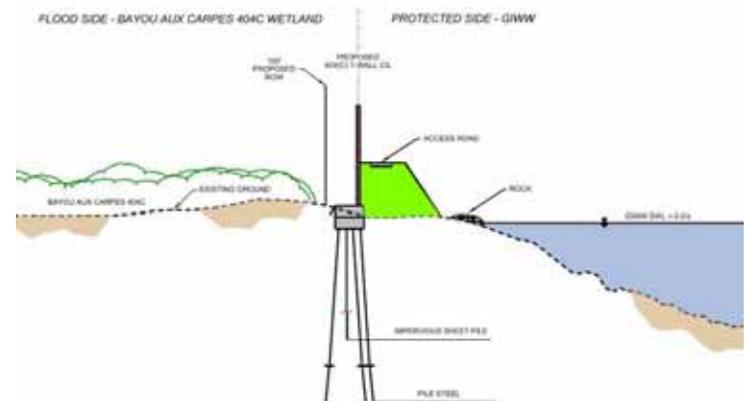


The 20,000 cfs pump station would include 13 Flower Pot Pumps.



Proposed Action

- Construction of a T-wall and protective berm on the banks of the Bayou aux Carpes wetland
- Dredging 700,000 cubic yards of Algiers Canal
- Beneficial use of dredged material for marsh restoration
- Construction of foreshore protection
- Construction of new earthen levee adjacent to the Bayou aux Carpes wetland
- Detention basin improvements
- Construction of floodwalls around the Belle Chasse Tunnel
- Realignment of Bayou Road
- Relocation of a pipeline



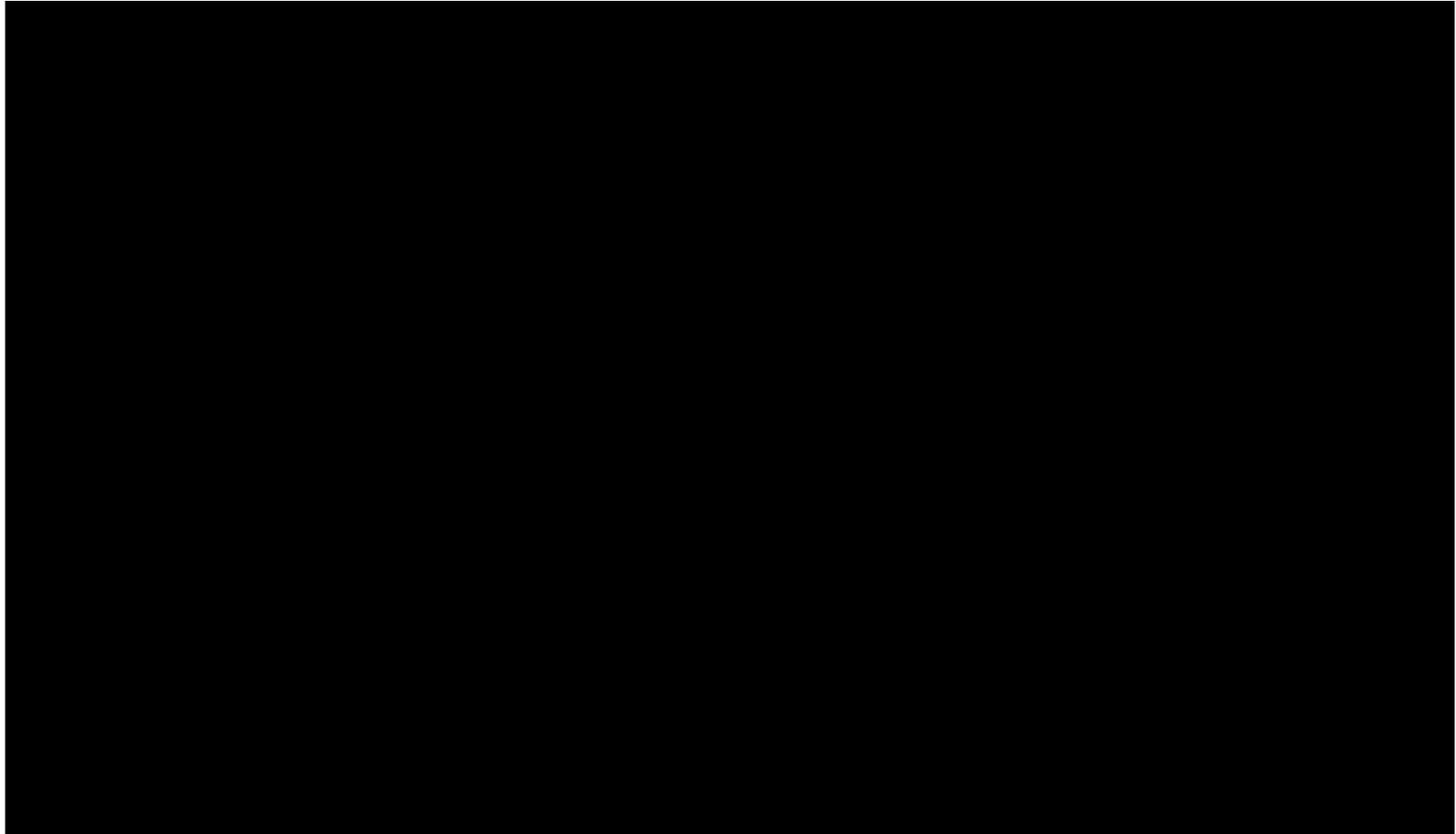
Schematic of the Bayou aux Carpes T-Wall along the Gulf Intracoastal Waterway



US Army Corps of Engineers



Video



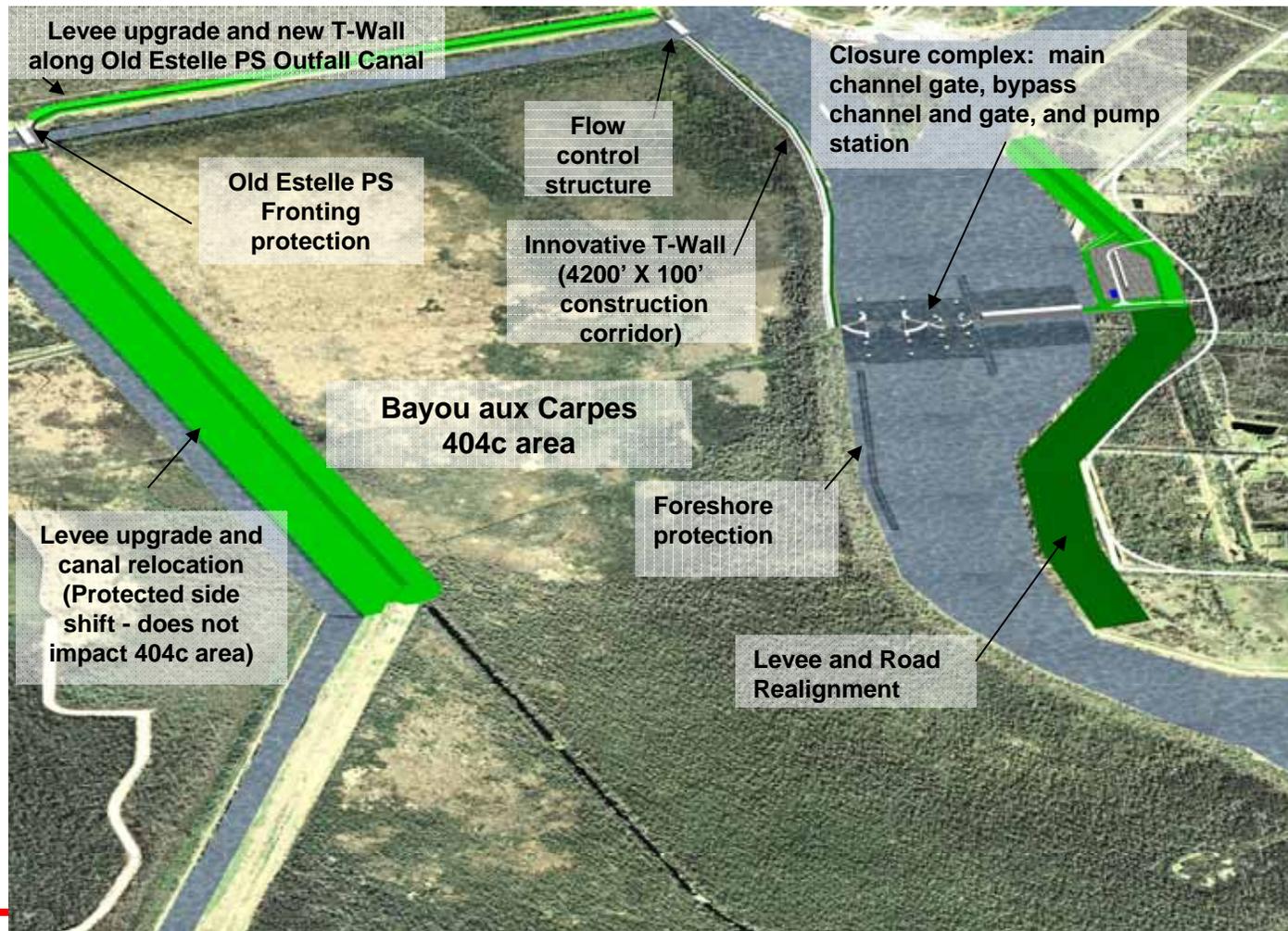
www.usace.army.mil

Proposed Action

Building Strong



Conceptual Images West Closure Complex

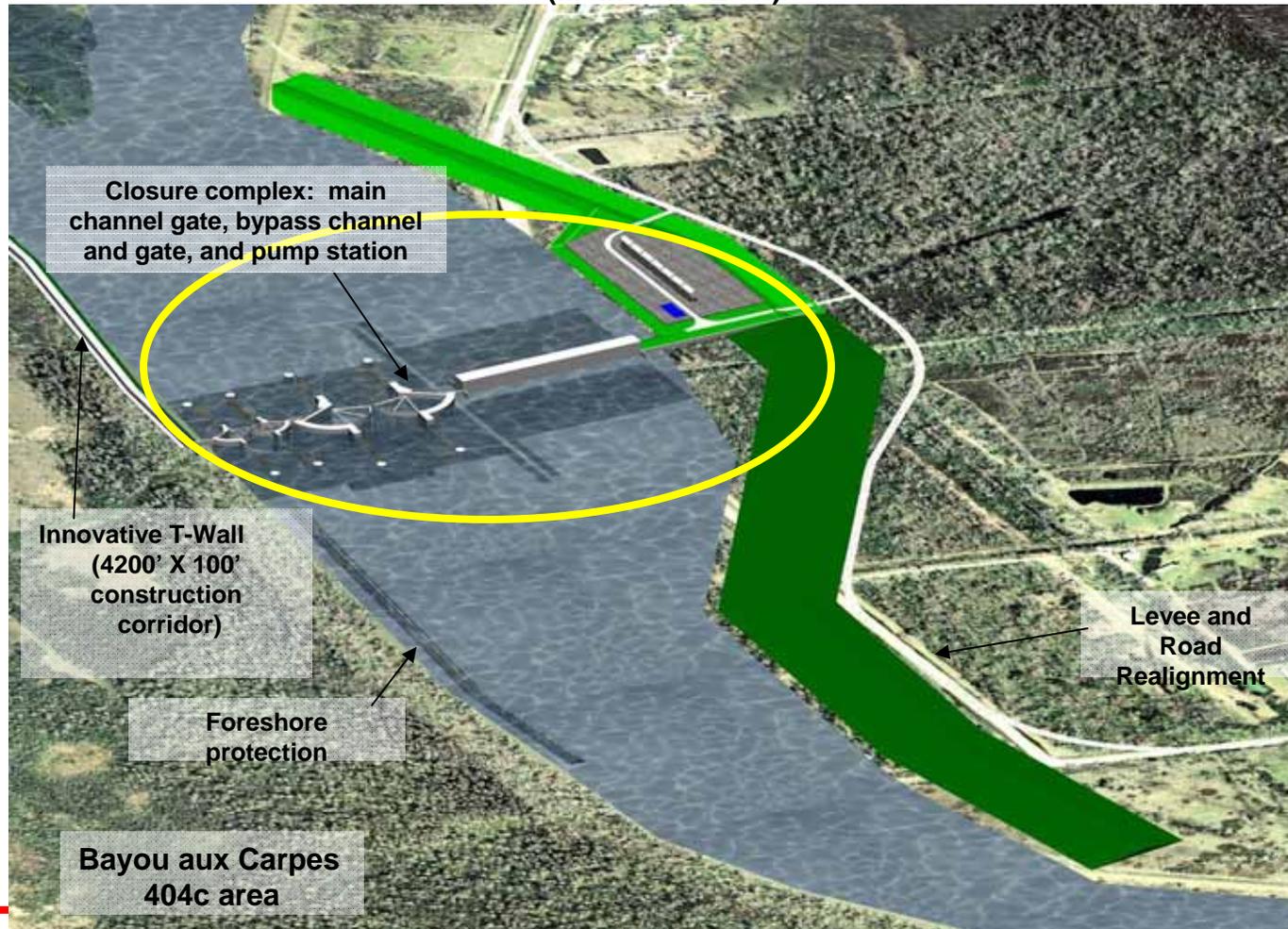




Conceptual Images

Close up of West Closure Complex

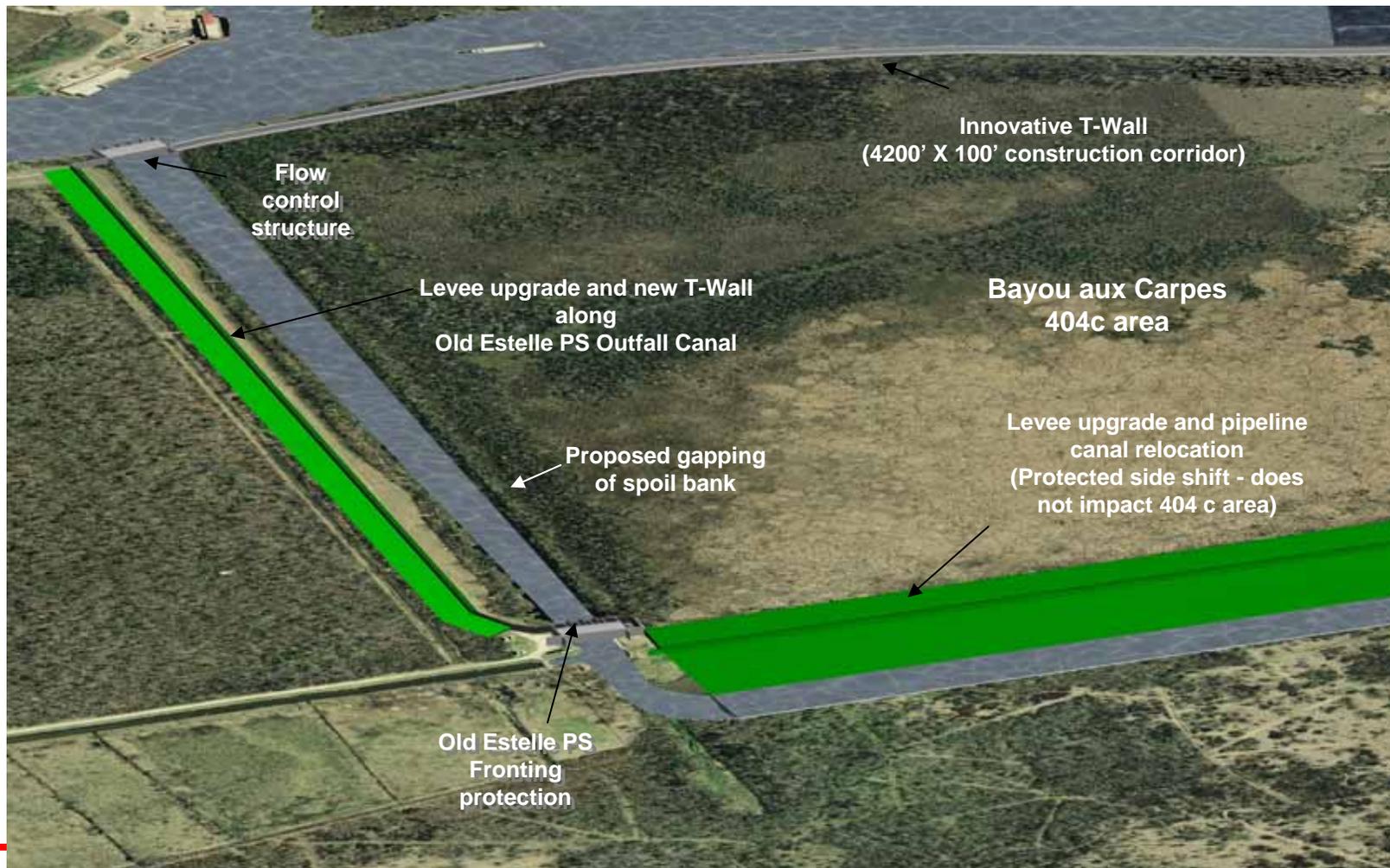
(Main Gate East)





Conceptual Images

Old Estelle Outfall Canal Flow Control Structure





Opportunities for Input

- Regular public meetings throughout the New Orleans area
- Official comment period for IER 12 ends at midnight Feb. 11, 2009
- Comments can be submitted at: www.nolaenvironmental.gov

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

Gib Owen

PM-RS

P.O. Box 60267

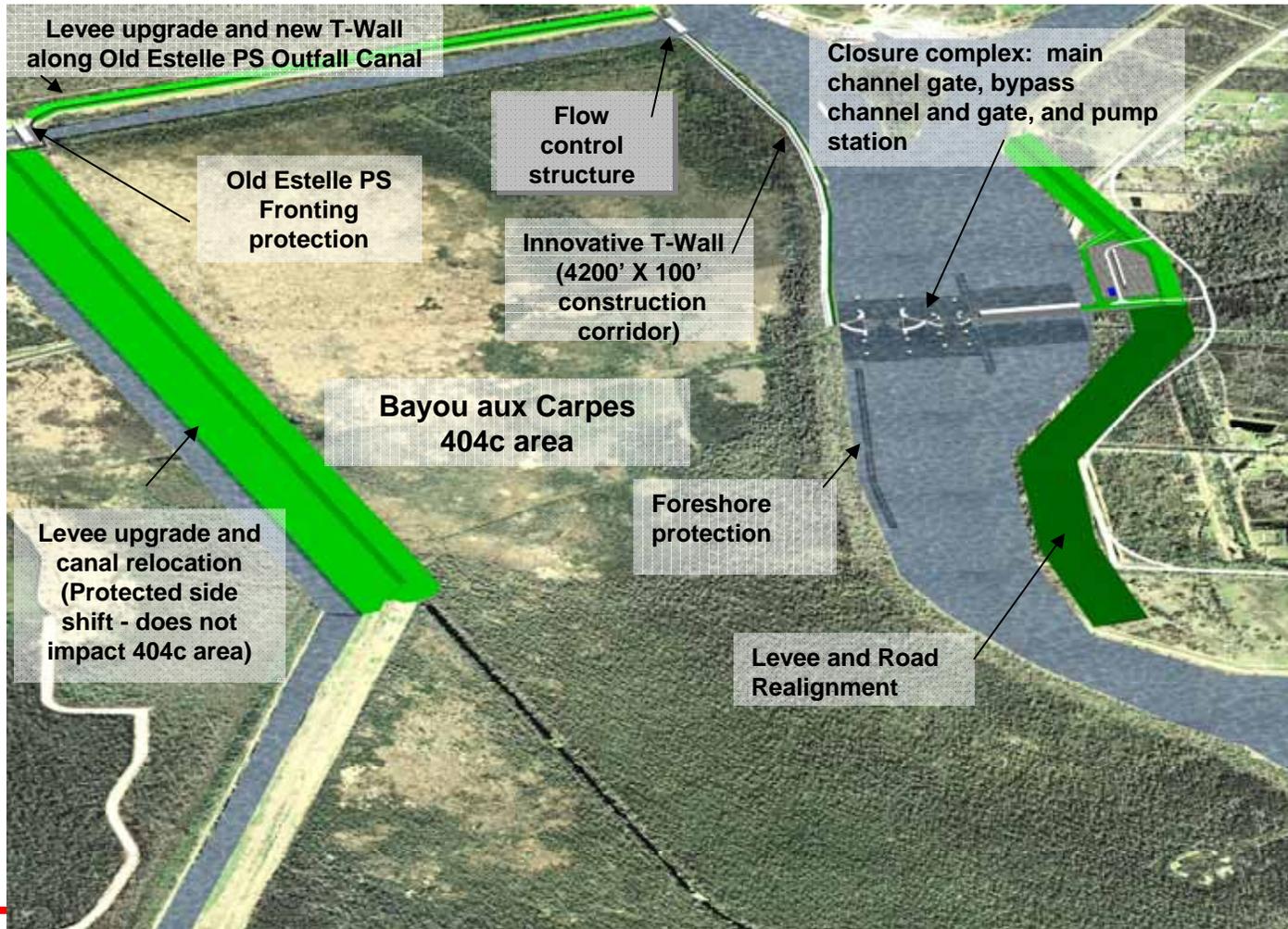
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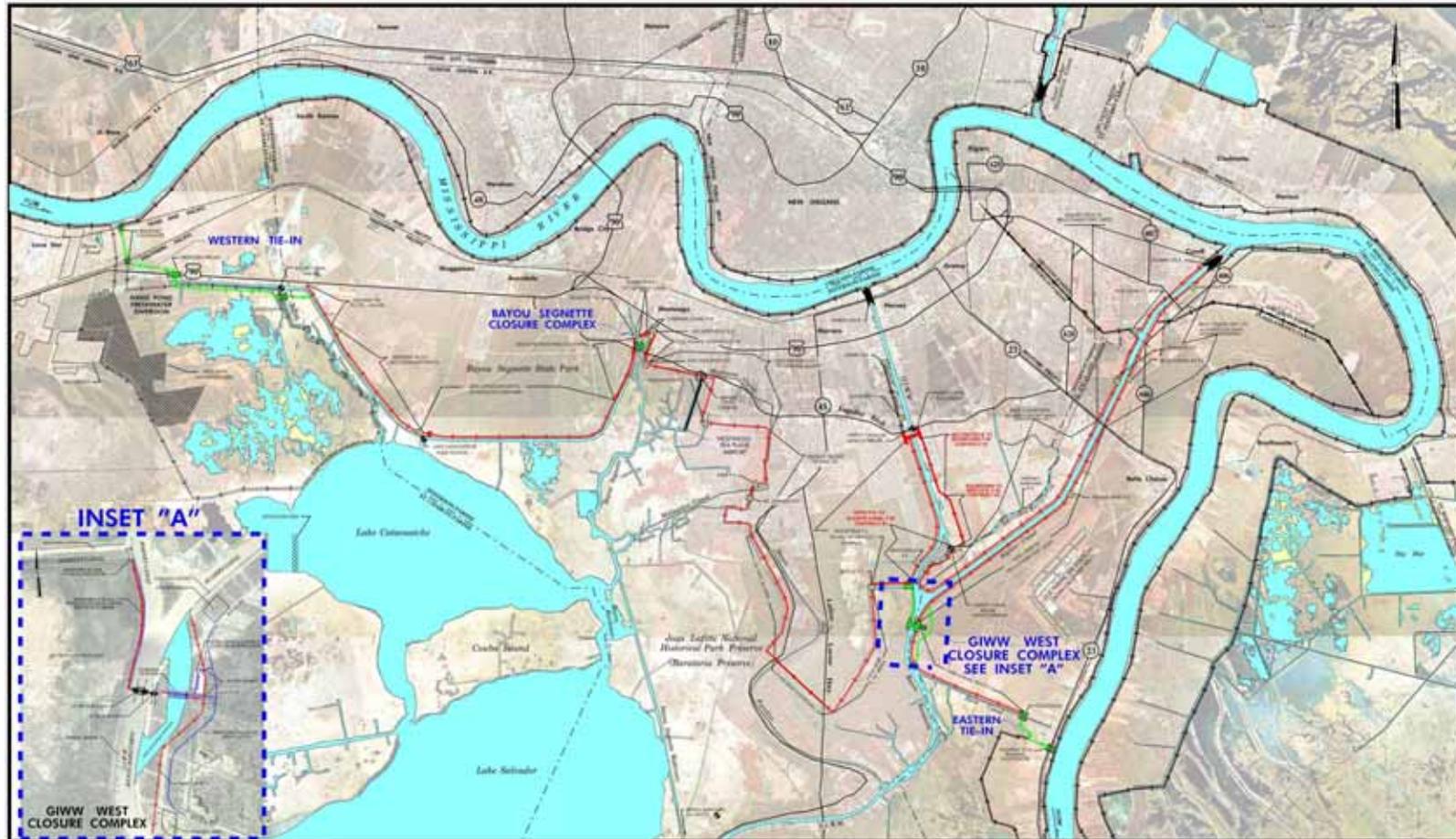


Conceptual Images West Closure Complex





Westbank and Vicinity Hurricane Protection Project



Alignments shown represent proposed (noted in green) and confirmed (noted in red) government actions.