

Greater New Orleans Hurricane & Storm Damage Risk Reduction System

Eastern Tie-In

Hwy 23 Crossing

Swing Gate

G. Brouse

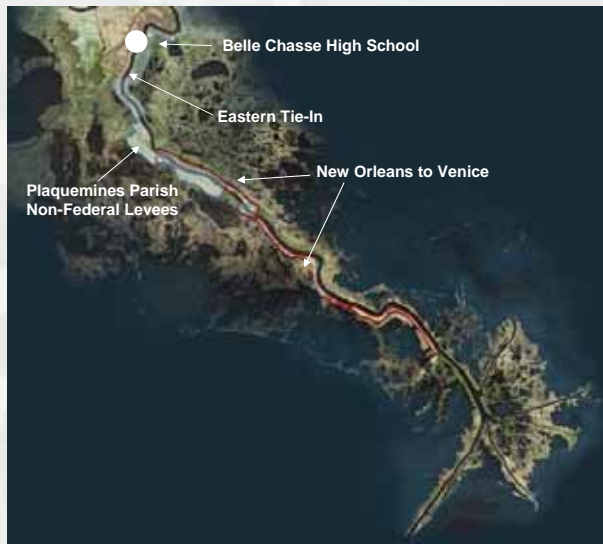
Public Workshop
Sept. 19, 2009
Belle Chasse High School



US Army Corps of Engineers
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Plaquemines Parish Risk Reduction



Three distinct but connected projects reduce risk for residences and businesses in Plaquemines Parish



Eastern Tie – Project Orientation

IER 13: Hero to Oakville Proposed Action Alignment

Proposed Floodgate Location



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Background

- Corps projects must be environmentally compliant
- Eastern Tie-In is an integral piece of the hurricane system
- Original Corps proposed action was a flood gate to cross Highway 23
- Individual Environmental Report 13, the Eastern Tie-In project document, was released for public review Apr. 3, 2009
- Public input led to refine designs to minimize visual impacts

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Hwy 23 Crossing Refinements

- **Four alternatives under consideration:**
 - Invisible Floodwall
 - Roller gate
 - **Swing Gate**
 - Ramp
- **This session: Swing Gate**



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Stored Swing Gate



Swing gates would be stored both parallel and perpendicular to the road, minimizing the visual impacts to the community.



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Closed Swing Gate

North bound View



The two swing gates would be about 55 ft wide and 8 ft tall. The steel gates would swing from both sides of the highway and meet in the middle of Hwy 23.



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Aerial View of Swing Gate Machinery



The northbound gate would be swung closed with a hydraulic motor.



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Swing Gate Guard Rails



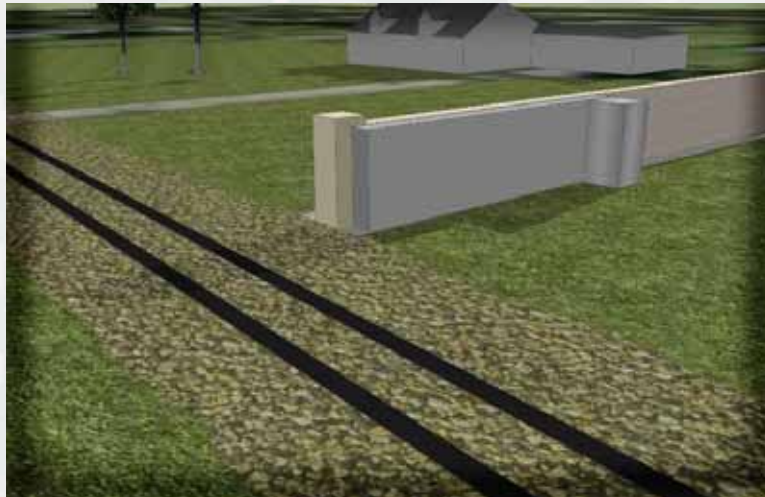
Guard rails on both sides of the highway would prevent motorists from hitting the swing gates or floodwall.



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Railroad Swing Gate



The Swing Gate option to cross Highway 23 would include a third gate to block surge at the railroad tracks.



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Swing Gate



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Emergency Bypass



An Emergency Bypass road would be constructed at the project site no matter which option to cross highway 23 is selected.



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Questions and Comments



Next Steps

- Feedback offered today will be considered for Individual Environmental Report 13 Addendum
- Individual Environmental Report 13 Addendum is scheduled for release in early Oct. 2009
- Public meeting to discuss the proposed action is scheduled for Oct. 20, 2009 at Belle Chasse High School



Resources

www.nolaenvironmental.gov



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

