

# BRAZOS RIVER FLOODGATES and COLORADO RIVER LOCKS (BRFG-CRL), TX

INLAND WATERWAYS USERS BOARD  
MEETING NO. 101  
October 19, 2023

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Brazos River Crossing



Colorado River Crossing



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# BRFG-CRL PROJECT – LOCAL, STATE, NATIONAL INTERESTS

- **GIWW is a high use waterway; Energy (Petro/Chemical and its derivatives)**
- **Upgrade infrastructure needed (constructed in the 1940s)**
- **Increase navigation industry efficiency:** Wider gate openings, realigned channels will allow wider tow/barge configurations, cross faster, eliminating/decreasing impact to navigation industry of \$10M+ per year, 2019 estimate
- **Increase safety:** Wider gate openings, realigned channels will eliminate/reduce collisions to gates significantly
- **Partnership efforts (GICA Captains involved; Briefings to local, state, federal governments; External stakeholder briefings)**
- **High Benefit-to-Cost Ratio (2.11 BRC; 0.58 CRC; 1.24 BRC & CRC; FY22 economics update @ 7% discount rate)**
- **Category # 2 project (authorized & awaiting construction funds)**



Tows must break into a single row of barges to pass narrow gates opening which creates substantial economic impacts to the industry translating into local, state, and national economic impacts.



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# BRFG – ENTIRE FACILITY DESIGN (WEST & EAST) – CURRENT STATUS

3

- Quality assurance reviews of final design package completed
- Agency Technical Review Certification achieved
- Final A-E submittal due 13 Oct 2023

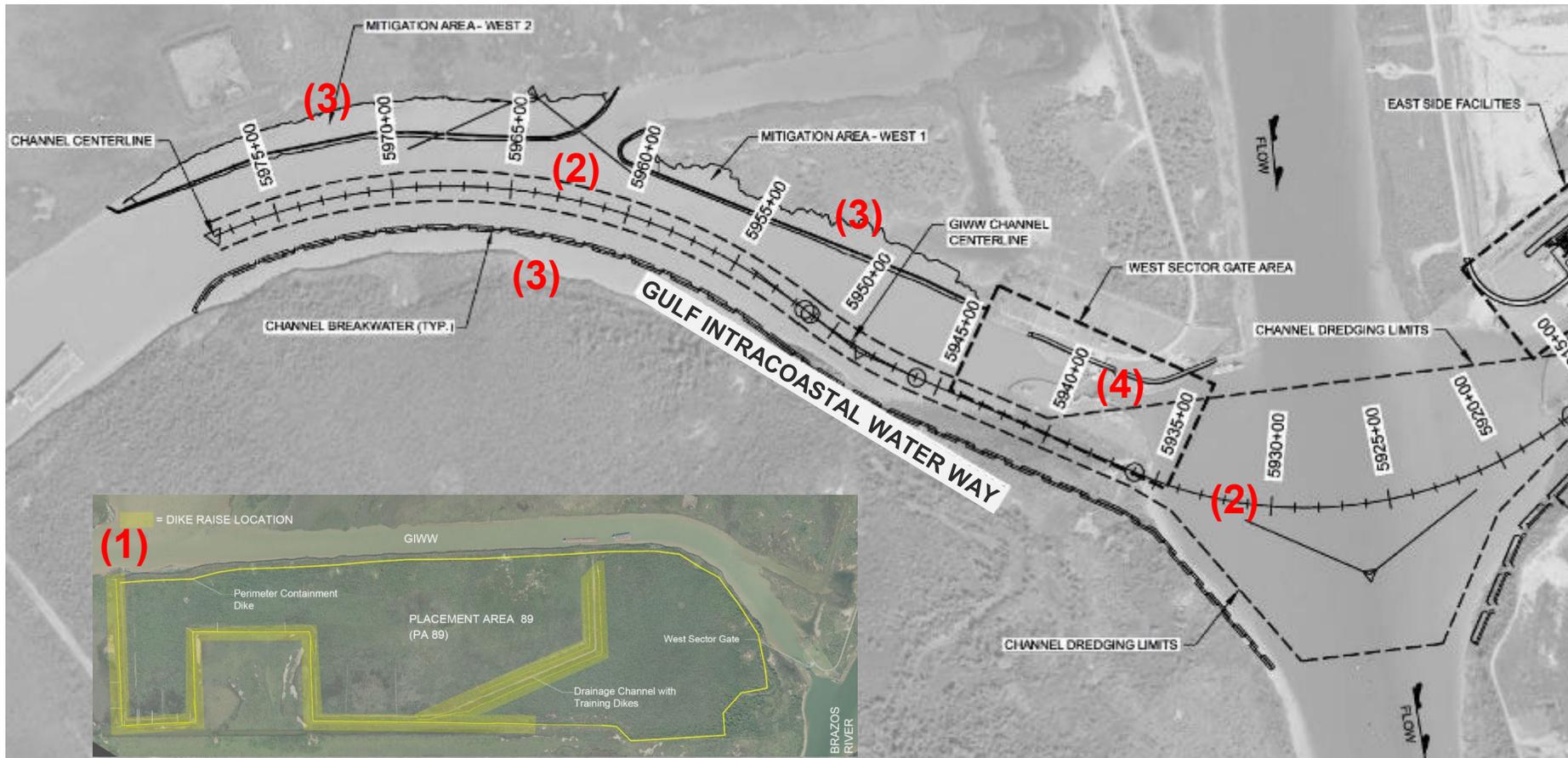
NOTE: Final A-E submittal is a fully reviewed design package for the entire facility, which will be used to extract / repackage for the westside only contract features when construction funds are made available.



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# BRFG – WESTSIDE ONLY: FEATURES

- (1) Placement Area 89 Levee Raise (3 ft) and Interior Drainage Improvements
- (2) Westside New Channel and Crossing Dredging (EL -16FT authorized depth)
- (3) Westside Mitigation Areas
- (4) Westside Structures Demolition





Colorado River Locks



Brazos River Flood Gates



Tows must break into a single row of barges to pass narrow gates opening which creates substantial economic impacts to the industry (\$10M+, 2019 price level) translating into local, state, and national economic impacts.



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