

Rollover Pass, Galveston County





GIWW – Gulf Intracoastal Waterway High Island to Port Bolivar



Constructed - 1955, for Recreational Fishing

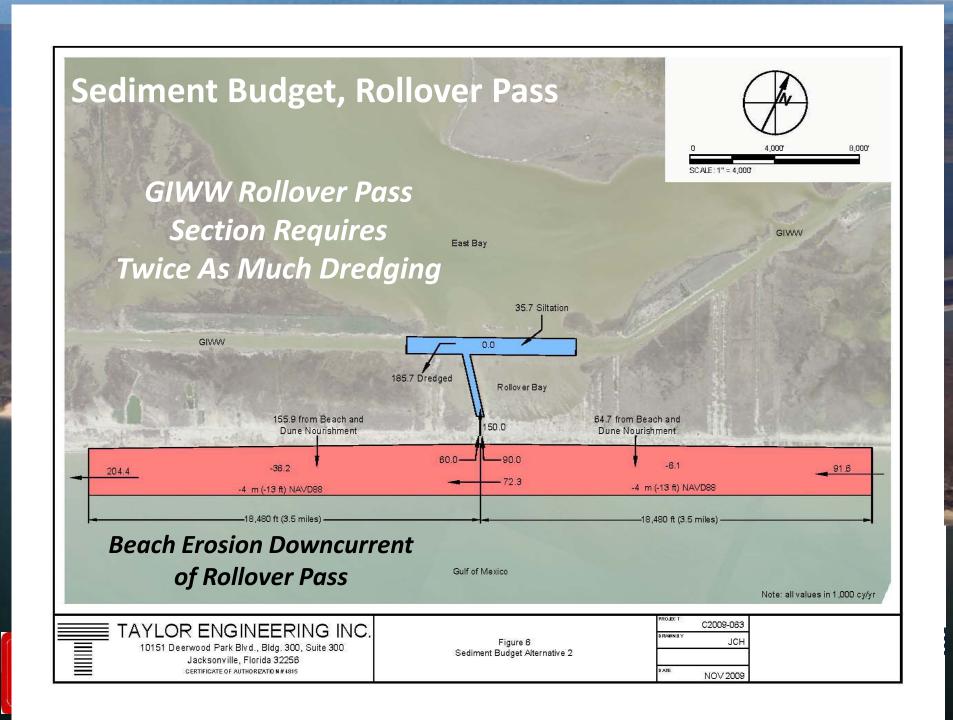


Ongoing Shoaling, Gulf Intracoastal Waterway
Ongoing Erosion, Gulf Beach
Salinity Changes, East Galveston Bay











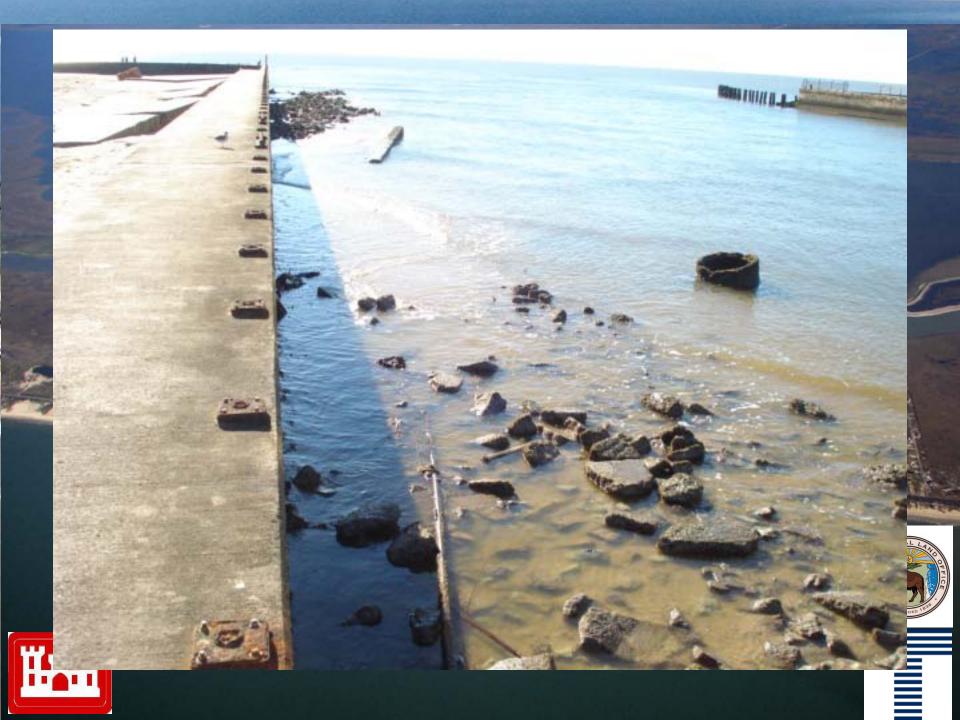
2008 Pass conditions prior to Hurricane Ike

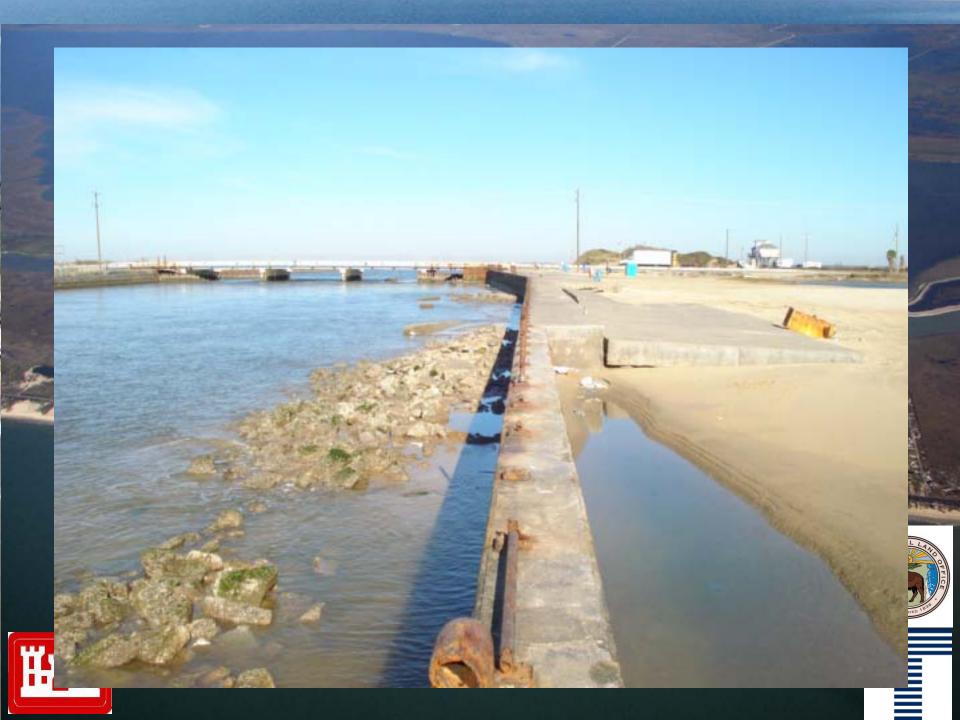


Pass in poor condition; failing sheetpile walls, Beach erosion ongoing; accelerating? USACE interested in dredging cost sharing, pass closure alternatives

















Locations index for photo pairs of Bolivar Peninsula, TX. Green line represents the storm track of Hurricane Ike.









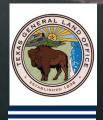




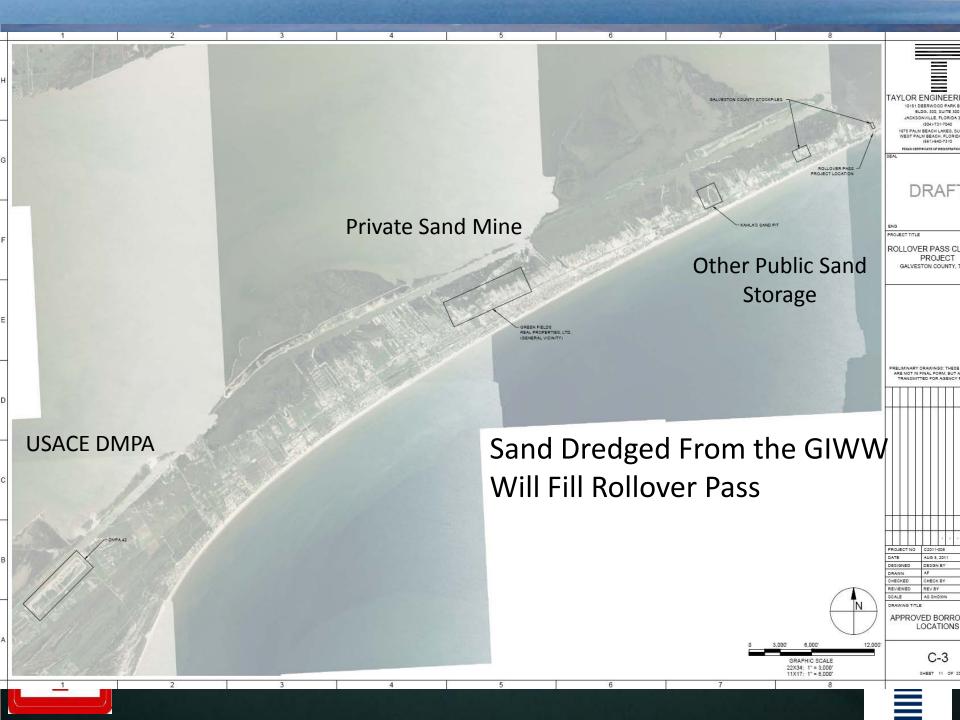


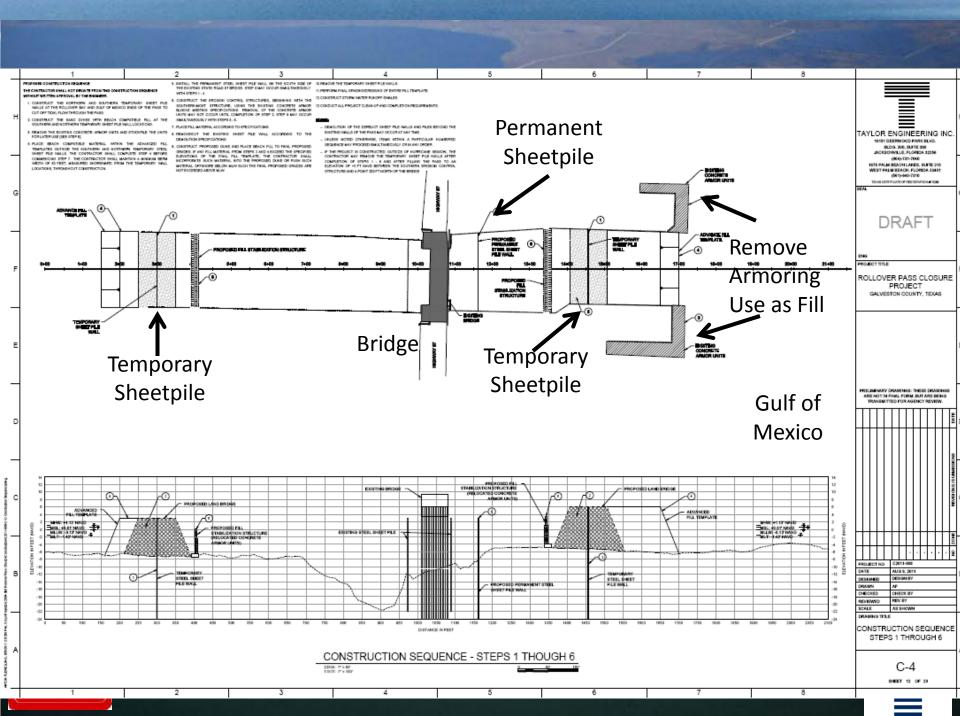
Hurricane Ike presented the Texas Legislature the opportunity to close Rollover Pass

- Legislative Property Buyout and Closure Funding –
 2008
- 2. Pass Closure Feasibility Study, Permitting (US Army Dredge and Fill Permit), Design: 2009 2011
- 3. Construction 2012









Project Costs and Benefits

Project Costs:

Design, Permitting, Construction: \$6 million Lost Recreational Benefits Mitigation: \$3 Million

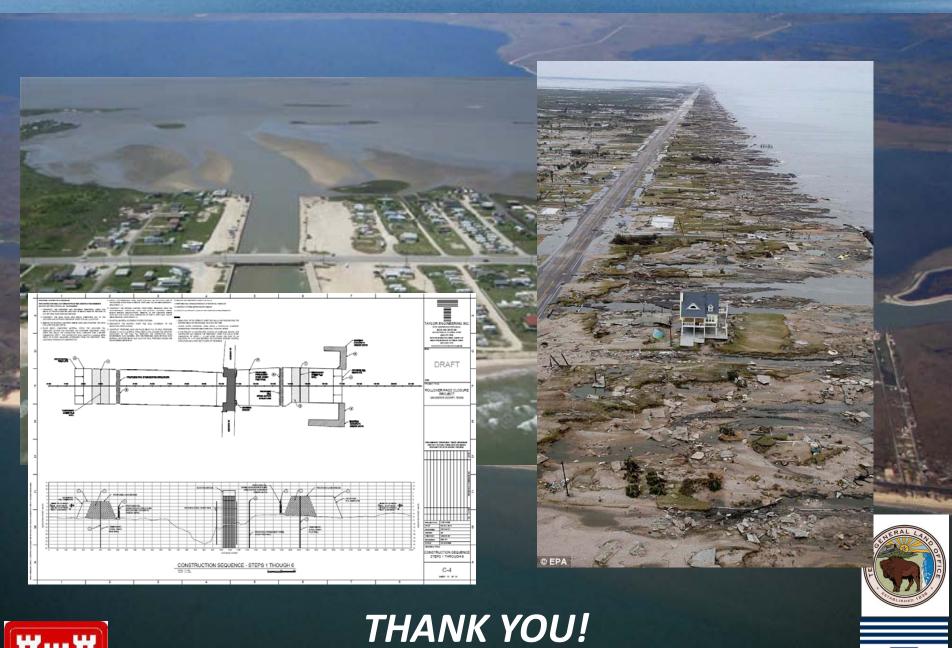
Sustainability Benefits

- ✓ Reduces Rollover Bay-GIWW dredging costs by 50%
- ✓ Reduces dredging-related air pollution by 50%
- ✓ Uses GIWW dredged material for fill
- ✓ Uses old Pass materials for closure construction
- ✓ Eliminates pass-related beach erosion
- ✓ Creates additional turtle nesting beach (Kemp's ridley turtle)
- ✓ Returns the salinity of Rollover Bay / East Bay to pre-pass estuarine conditions (oysters, juvenile fish nursery)











THANK YOU!

Questions?