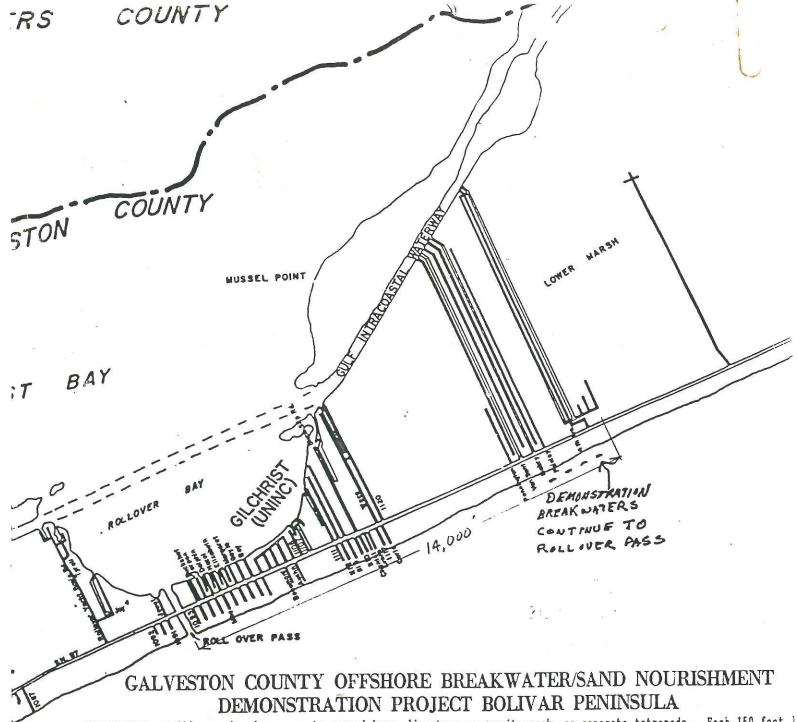


seawall extending west 32,000 feet. Project would have long range plan of continuing to offshore of 12 mile road. Beach are

has erosion occurring over 10 feet per year. Intention of preserving recreational heach.



BREAKWATERS: Rubble mound using concrete poured bags, limestone or granite rock, or concrete tetrapods. Each 150 foot l with reef shell or limestone blanket over plastic filter cloth. Spaced 450 to 750 feet parallel to shore. 200 to 250 f offshore from existing shoreline.

SAND SUPPLEMENT: Nourish with beach quality sand trucked to site equal to 70 cu. yd. per 100 foot of beach. Place sand as each breakwater completed. Sand available from North Jetty area by trucking from sand build up in this area.

EXPECTED PERFORMANCE: Protect the shore, stop further erosion, form a tombolo behind breakwater, provide a dune area wit foot crest, provide 200 feet of beach for recreation, breakwater planned to retain sand supplement in place, min maintenance in future, to not interrupt littoral transport of sand, and to not cause any adverse affects to adjacent beaches ends of breakwater.

EXPECTED COST: Similar project at Holly Beach in Louisiana is costing approximately \$100,000.00 per breakwater that inc trucked in sand supplement.

FINANCING: U. S. Government, State of Texas, Galveston County, City of Galveston, or local interests forming conserva district to tax themselves to pay off bonds.

SPONSOR: Galveston County Conservation and Preservation Committee, Pat Hallisey Co Chair for County with Co Chair Russ Eitel City of Galveston.

SITE SELECTION CONDITIONS: Pirst of four breakwaters would be placed 14,000 feet east of Rollover Pass on Bolivar Pening Project would have long range plan of continuing to offshore of Rollover Pass. Beach area has erosion occurring over 10 per year. Intention of preserving recreational beach.