History and Design of the Harrison County Seawall

Philip W. Shaw
Architect
Shaw Design Group P.A.
H. D. Shaw
Chief Engineer
Harrison County Road Protection Commission
Shaw spoke at the Western Society of Engineers about this Project in the mid 1920s

Pushing Back the Gulf of Mexico
Monday January 10 7:00 P. M.
W. S. E. Rooms 1735 Monadnock Block

“Building the Longest Sea Wall in the World,” Hobart D. Shaw, Chief Engineer, Road Protection Commission, Gulfport, Miss.

The sea wall now being built from Bay St. Louis to Biloxi Bay will be described by its designer who has been in charge of construction. Mr. Shaw studied wave and wind action for 20 years preparatory to designing this system of protection. Twenty-five miles of wall now being built require over 50,000 piles and 12 million cubic yards of fill. Chicago’s shore protection problem is very similar. Motion pictures of this project shown at 7:00 P. M.

Jan. 19—Excursion to Crane Co. plant at 41st and Kedzie.
Biloxi Beach before the Seawall
Pass Christian Beach before the Seawall
Researching Seawalls around the World

Seawall - Estuary of the Chien Long Kiang at Haining, about 20 mi. below Hangchow.

Promotion period - 500 B.C. to 910 A.D.

Length of wall - 180 mi.

Est. actual height - 16 ft.
Researching Seawalls around the World

STEP-TYPE SEAWALL NEAR CLIFF HOUSE
SAN FRANCISCO, CALIFORNIA.
BEGUN 1915; COMPLETED 1923.
COST: $134.00 PER FT.
Artist’s Concept of the Finished Seawall
Cross Section of the Construction of the Seawall
Lower Face of the Seawall
Section through the Structure
Preparing the Land
Steel Forms and Reinforcing
Construction Required a Small Gage Railroad
Under Construction
Regrading North of the Seawall
Pumping in Sand
Seawall prior to Grading, Landscaping, and Sidewalk
Storm Drain
Design Plan Fulfilled
The Seawall is a Tourism Icon
The Seawall: 1947 and Beyond

• 1947 Hurricane
• Adding the sand beach
• Grading the beach
• Blowing sand
Thank you!

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• Shaw Design Group archives