



Bridge Specifications

Name:	Breakwater Beach
Location:	Bethany Beach, DE
Length:	20,600 Sq. Ft. of Driving Surface
Width:	24'7" Drive Aisle 23'7" Driveways 5' Pedestrian Walkways
Height:	3' above grade
Capacity:	HS-20/44 & 85 PSF
Use:	Vehicular & Pedestrian
Construction:	Deck Level
Span Type:	Repetitive Span
Material:	CCA Treated Southern Yellow Pine
Foundation:	SYP Timber Piles
Stringers:	SYP Rough Sawn Timber Stringers
Vehicular Deck System:	Epoxy Aggregate Surfaced 4.5" Timber Deck
Pedestrian Deck System:	1.5" Timber Deck
Guide Rail System:	Decero™ Picket Design Series
Crossing:	Wetlands

Project Description

Tucked into the prestigious Breakwater Beach Community is a unique & massive timber structure that serves as a double lane drive aisle, cul-de-sac, 8 two-car width driveways, as well as, divided pedestrian walkways. YBC was sought out by developers to help access the residential lots that prohibited standard development methods. This vehicular structure boasts more than 20,000 sq. ft. of an epoxy-aggregate overlay driving surface. A timber picket pedestrian rail with curbing wraps the structure, complementing the local coastal architecture. A pile supported structure design was formulated specifically to be built as deck level construction to minimize wetland impacts. Our construction team skillfully friction set 700+ piles using our vibratory hammer & splicing methods. This hearty foundation holds a 75-year life span design. The finished product hovers 3 feet above the ground, mixes in with the wetland grasses, & gives access to future premiere homes.

See more images & video: www.ybc.com/breakwater-beach

Bridge Details

Completed:	November 2018
Client:	LC Management