

YORK

BRIDGE CONCEPTS

THE PREMIER TIMBER BRIDGE COMPANY



Bridge Specifications

Name:	River Lights Development Bridge
Location:	Wilmington, NC
Length:	120'
Width:	8' (7½' clear)
Height:	13' above grade
Capacity:	85-PSF
Use:	Pedestrian
Construction:	Ground Up
Span Type:	Repetitive Span
Material:	CCA/CA-C Treated Southern Yellow Pine
Foundation:	Timber Piles and Abutments (Acrylic/ Polymer Coated where exposed)
Stringers:	SYP S4S Glulam Stringers (Acrylic/Polymer Coated where exposed)
Deck System:	Textured Polymer Surfaced 1½" Timber Deck
Hand Rail System:	Decero™ Wire Rope Design Series
Crossing:	Lake

Bridge Details

Completed:	April 2017
Client:	Newland Communities

Description

River Lights Development in Wilmington, NC partnered with the York Bridge Concepts™ team to activate the river's edge, cross winding waters, and expand the community's engagement with the property as a whole. The YBC Decero™ Design Team known for its attention to detail, planned every inch of this large project to provide an enhanced experience for residents and visitors alike. The River Lights Development features over 1500 feet of turnkey crossings & structures including a boardwalk, pier & pavilion, pedestrian bridge, and outdoor bar. The 120' pedestrian bridge features three 40' spans crossing a winding waterway to connect walking paths. Three sets of glulam stringers join together creating a beautiful rolled arch over the water enhanced by a rhythmic combination of coated wire rope, x-accents, and custom post caps, washed in a dual-tone neutral color palette inspired by the community context.



Bridge Specifications

Name:	River Lights Development Boardwalk
Location:	Wilmington, NC
Length:	1190'
Width:	8' (7½' clear)
Height:	4' above grade
Ped. Capacity:	85-PSF
Use:	Pedestrian
Construction:	Ground Up
Span Type:	Repetitive Span
Material:	CCA/CA-C Treated Southern Yellow Pine
Foundation:	Timber Piles and Abutments (Acrylic/Polymer Coated where exposed)
Stringers:	SYP RS Timber (Acrylic/Polymer Coated where exposed)
Deck System:	Textured Polymer Surfaced 1½" Timber Deck
Hand Rail System:	Decero™ Wire Rope Design Series
Crossing:	Woodlands
Special Features:	Integrated Lighting Multiple Wide Outs Pier Connection Future Connections

Bridge Details

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Bridge Specifications

Name:	River Lights Development Pier
Location:	Wilmington, NC
Length:	160'
Width:	10' (9½' clear)
Height:	15' above grade
Ped. Capacity:	85-PSF
Use:	Pedestrian
Construction:	Deck Level
Span Type:	Repetitive Span
Material:	CCA/CA-C Treated Southern Yellow Pine
Foundation:	Timber Piles and Abutments (Acrylic/Polymer Coated where exposed)
Stringers:	SYP RS Timber (Acrylic/Polymer Coated where exposed)
Deck System:	Textured Polymer Surfaced 1½" Timber Deck
Hand Rail System:	Decero™ Wire Rope Design Series
Crossing:	Lake
Special Features:	28 x 28' Dock Head 14 x 14' Pavilion 6 x 10' Wide Out

Bridge Details

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Bar Specifications

Name:	River Lights Development Bar
Location:	Wilmington, NC
Length:	53'
Height:	11' (Integrated bar top, 3'9")
Foundation:	Engineered Concrete Footer Foundations
Structure & Material:	10x10 posts & Heavy Timber Components (Oil-based Translucent Coating where exposed)
Roofing Material:	Aluminum Standing Standing Seam Roof
Design:	Decero™ Engineered Cantilever Design
Special Features:	Integrated Lighting Steel Accents Trussed Structure

Bar Details

Completed:	April 2017
Client:	Newland Communities

Description

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