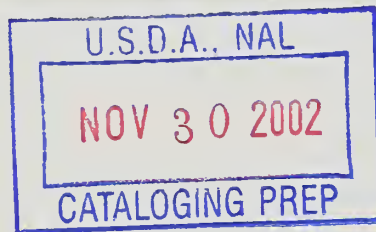


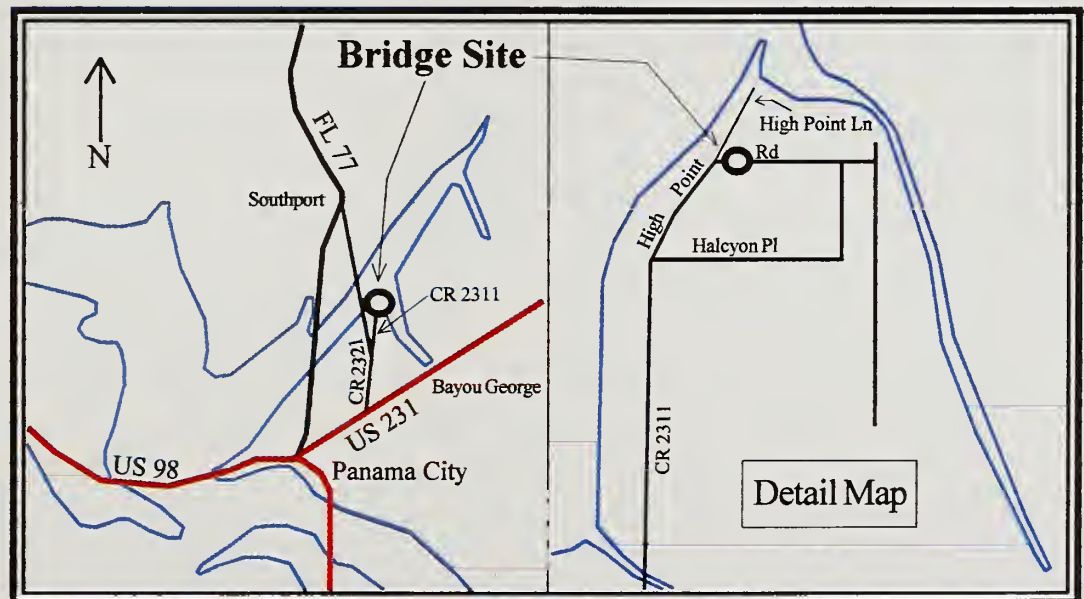
HIGH POINT ROAD TIMBER BRIDGE, Bay County, Florida

aTG365
.H54
2001



Type: Glued-laminated timber stringers and transverse glued-laminated deck
County: Bay
Owner: Bay County Public Works
Built in: 1998
Engineer: Jocee Cyr, John Alghemand
Spans over: Little Bayou
Bridge length: 25'-0"
Roadway width: 26'-0"

Directions: From Panama City take US 231 approximately 5 miles northeast to the intersection of US 231 and CR 2321. Take CR 2321 2 miles to the intersection of CR 2321 and CR 2311. Take CR 2311 north 2.8 miles to the bridge site. (Please note CR 2311 turns into High Point Road at the end.)



USDA Forest Service

The National Wood In
Transportation Program



**GEOMETRY**

Number of Spans: 1
 Out-to-out length: 25'-0"
 Center-of-bearing span lengths: 24'-0"
 Skew: 0 degrees
 Number of lanes: 2
 Out-to-out width: 28'-0"
 Curb-to-curb width: 26'-0"
 Number of beams and spacing: 8@3'-8 1/8"
 Superstructure square footage: 700

Design load: HS-20
 Deadload: Approximately 180/lbs/ft/beam
 Averaged daily traffic: 110
 Superstructure design by: Gaddie
 Construction Company
 Abutment material: Wood
 Abutment preservative: CCA

Total project cost: \$201,300
 Total superstructure cost: \$92,000
 Total superstructure cost /sq ft: \$131.40

MATERIAL**DECK**

Material: Wood
 Species: Southern pine
 Allowable bending stress: 1920 psi
 Sizes used: 5 1/8" x 48" x 28'-0" glued-laminated panels
 Quantity: 3,588 bf
 Preservative treatment: CCA
 Wearing surface: 2" x 12" Southern pine

BEAMS/STRINGERS

Material: Wood
 Species: Southern pine
 Allowable bending stress: 2400 psi
 Sizes used: 6 3/4" x 23 3/8" x 25'-0"
 Quantity: 2,630 bf
 Preservative treatment: CCA

GUIDERAIL POSTS

Material: Wood
 Grade: No. 1 or better
 Species: Southern pine
 Sizes used: 8" x 8"
 Approach rail posts: 8" x 10"

GUIDERAIL CURB (none)**GUIDERAIL**

Material: Wood
 Grade: Traffic rail, No. 1 or better; Hand rail, No. 2 or better
 Species: Southern pine
 Size: Traffic rail, 6" x 14"; Hand rail, 2" x 10"
 Approach rail: Galvanized steel w-beam

LOCAL IMPACT: The bridge carries High Point Road over Little Bayou in Bay County, Florida. The bridge is used by school busses, trucks, cars and pedestrians.

BRIDGE PERFORMANCE: The bridge replaced a 22 foot, 9 ton load limited existing bridge.

FUNDING SOURCES: USDA Forest Service: \$50,000; Balance of funding from Bay County, Florida.

LOCAL CONTACT: Josee Cyr, P.E.
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Information provided by Merv Eriksson, USDA Forest Service

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