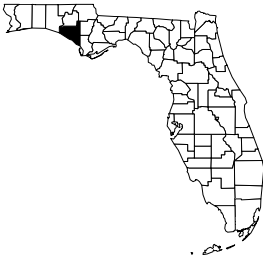
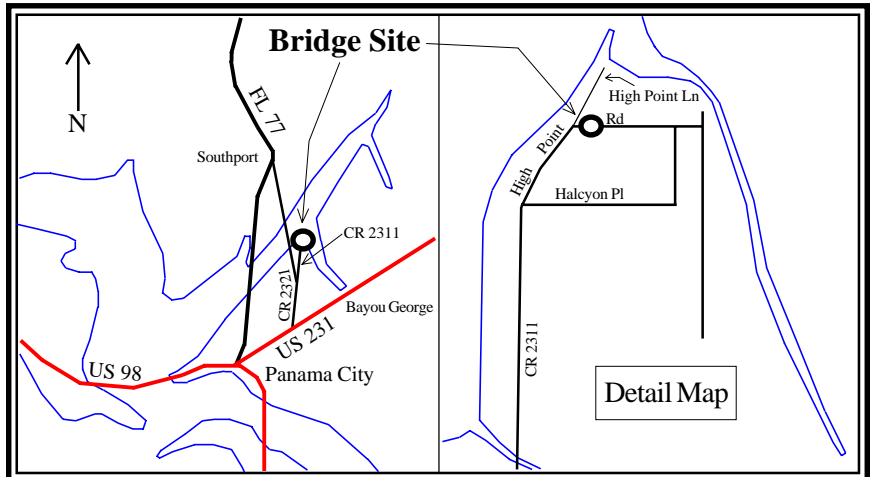


# HIGH POINT ROAD TIMBER BRIDGE, Bay County, Florida



**Type:** Glued-laminated timber stringers and transverse glued-laminated deck  
**County:** Bay  
**Owner:** Bay County Public Works  
**Built in:** 1998  
**Engineer:** Jocce 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	Design load: HS-20	Total project cost: \$201,300
Out-to-out length: 25'-0"	Deadload: Approximately 180/lbs/ft/beam	Total superstructure cost: \$92,000
Center-of-bearing span lengths: 24'-0"	Averaged daily traffic: 110	Total superstructure cost /sq ft: \$131.40
Skew: 0 degrees	Superstructure design by: Gaddie	
Number of lanes: 2	Construction Company	
Out-to-out width: 28'-0"	Abutment material: Wood	
Curb-to-curb width: 26'-0"	Abutment preservative: CCA	
Number of beams and spacing: 8@3'-8 1/8"		
Superstructure square footage: 700		

## 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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