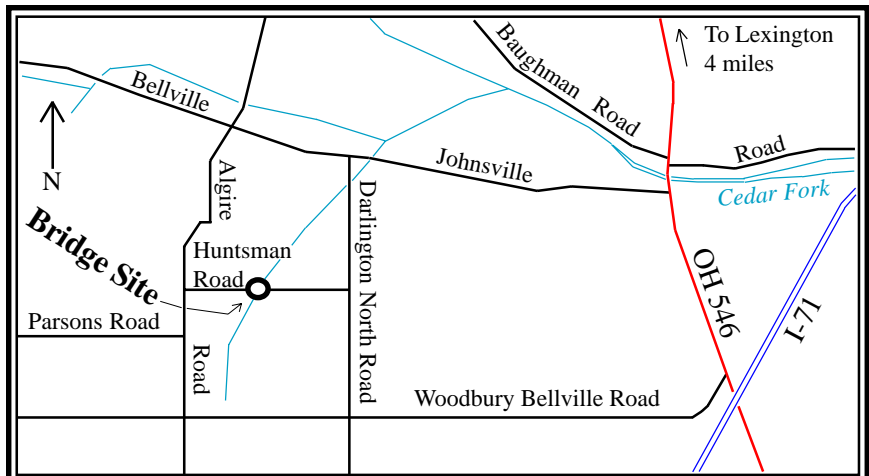


# HUNTSMAN ROAD BRIDGE, Richland County, Ohio



**Type:** Stress-laminated  
**County:** Richland  
**Owner:** Richland County  
**Built in:** 1998  
**Fabricator:** McArthur Lumber & Post, Inc.  
**Engineer:** Richland County  
**Spans over:** Tributary to the Cedar Fork  
**Bridge length:** 30'-1"  
**Roadway width:** 24'-0"

**Directions:** From Lexington, take OH 546 south 5.5 miles to the intersection of OH 546 and Bellville Johnsville Road. Right onto Bellville Johnsville Road .8 miles to Darlington North Road. Left onto Darlington North Road .5 miles to Huntsman Road. Right onto Huntsman Road and bridge site is .3 miles from the intersection of Huntsman Road and Darlington North Road.



**GEOMETRY**

Number of Spans: 2  
 Out-to-out length: 30'-1"  
 Center-of-bearing length: 14'-6 1/2"  
 Skew: 0 degrees  
 Number of lanes: 2  
 Out-to-out width: 26'-0"  
 Curb-to-curb width: 24'-0"  
 Superstructure square footage: 781

Design load: AASHTO HS-20  
 Averaged daily traffic: 40  
 Design by: Richland County  
 Abutment material: Wood pile with  
 wood caps

Total wood quantity: 11,224 bf  
 Total wood cost: \$35,453  
 Total project cost: \$104,329

**MATERIAL****DECK**

Material: Wood  
 Grade: Visual grade #1  
 Species: Southern pine  
 Sizes used: 2" x 10"  
 Quantity: 10,400 bf  
 Drying method: Kiln  
 Preservative treatment: ACQ

**BEAMS/STRINGERS (none)****GUIDERAIL POSTS**

Material: Wood  
 Grade: Visual grade #1  
 Species: Southern pine  
 Sizes used: 8" x 8"  
 Quantity: 64 bf  
 Drying method: Kiln  
 Preservative treatment: ACQ

**GUIDERAIL CURB**

Material: Wood  
 Grade: Visual grade #1  
 Species: Southern pine  
 Size: 6" x 12"  
 Quantity: 360 bf  
 Preservative Treatment: ACQ

**GUIDERAIL**

Material: Wood  
 Grade: Visual grade #1  
 Species: Southern pine  
 Size: 8" x 10"  
 Quantity: 400 bf  
 Preservative treatment: ACQ

**STRESSING STEEL**

Grade: GR157  
 Manufacturer: Dywidag Systems  
 Bar Diameter: 5/8"  
 Coating: Galvanized  
 Quantity: 14 @ 31'-0"  
 Bearing plate size: 9" x 11"

**FUNDING SOURCES:** USDA Forest Service: \$50,000; Balance of funding from Richland County gasoline tax funds.

**LOCAL CONTACT:** Thomas E. Beck, P.E., P.S.  
 Richland County Engineer  
 77 N. Mulberry St.  
 Mansfield, OH 44902  
 Phone: 419-774-5591

Information provided by the Richland County Engineer.

WIT Program Proposal Number: NA-12-96

Federal Grant Identifier: NA-96-0117

