BRIDGE NO. 1, Coshocton County, Ohio

Type: Stress-laminated deck  
County: Coshocton  
Owner: Coshocton County  
Built in: 1995  
Fabricator: Burke-Parsons-Bowlby Corp.  
Spans over: Bucklew Run  
Bridge length: 22'-0"  
Roadway width: 18'-0"

Directions: From Coshocton and the intersection of US 36 and OH 16 travel west 5.4 miles on US 36. Turn right at the intersection of US 36 and CR 28. Take CR 28 0.6 miles to the intersection of CR 28 and CR 24. Turn right onto CR 24 and travel 1.0 miles to the intersection of CR 24 and CR 25. Turn left onto CR 25 and travel 2.6 miles to the intersection of CR 25 and CR 405. Turn right onto CR 405. The bridge site is approximately 75 feet from the intersection of CR 405 and CR 25.
**GEOMETRY**

- Number of Spans: 1
- Out-to-out length: 22’-0”
- Center-of-bearing length: 20’-0”
- Skew: 0 degrees
- Number of lanes: 2
- Out-to-out width: 20’-0”
- Curb-to-curb width: 18’-0”
- Number of beams and spacing: none
- Superstructure square footage: 440

- Design load: AASHTO HS-20
- Averaged daily traffic: 50
- Design by: Barry Dickson
- Abutment material: Steel piling capped with concrete
- Total project cost: $46,534
- Total superstructure cost: $20,052
- Total superstructure cost /sq. ft.: $45.57

**MATERIAL**

**DECK**
- Material: Wood
- Grade: #1
- Species: Southern Pine
- Sizes used: 1 1/2” x 11 1/4” x 22’-0”
- Drying method: Kiln
- Preservative treatment: Creosote

**BEAMS/STRINGERS (none)**

**GUIDERAIL CURB**
- Material: Wood
- Grade: #2
- Species: Southern Pine
- Size: 6” x 12”
- Preservative Treatment: Creosote

**GUIDERAIL**
- Material: Wood
- Grade: #2
- Species: Southern Pine
- Size: 6” x 12”
- Preservative treatment: Creosote

**GUIDERAIL POSTS**
- Material: Wood
- Grade: #1
- Species: Southern Pine
- Drying method: Kiln
- Preservative treatment: Creosote

**STRESSING STEEL**
- Grade: ASTM A108
- Manufacturer: Williams Farm Engineering
- Bar Diameter: 3/4”
- Coating: Epoxy
- Bearing plate size: 8” x 8”

**FUNDING SOURCES:** USDA Forest Service: $18,350; Balance of funding from Coshocton County, Ohio.

**LOCAL CONTACT:** Frederick T. Wachtel, P.E., P.S.
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Information provided by the Coshocton County Engineer.

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The National Wood In Transportation Program