Type: Stress-laminated t-beam
County: Stark
Owner: Stark County
Built in: 1995
Fabricator: Burke-Parsons-Bowlby Corp.
Engineer: Michael J. Rehfus, P.E.
Spans over: Lake Cable
Bridge length: 34’-6”
Roadway width: 21’-10”

Directions: From Interchange 111 of I-77 (north of Canton) take Portage Street west 1.5 miles to the intersection of Portage Street and Lake O’Springs Avenue. Turn left onto Lake O’Springs Avenue and go .8 miles to the intersection of Lake O’Springs Avenue and Island Drive. Turn left onto Island Drive and go .2 miles to the intersection of Island Drive and Oak Drive. The bridge site is less than .1 miles from the intersection of Island Drive and Oak Drive.
GEOMETRY

Number of Spans: 1
Out-to-out length: 34'-6"
Center-of-bearing length: 32'-10"
Skew: 0 degrees
Number of lanes: 2
Out-to-out width: 23'-10"
Curb-to-curb width: 21'-10"
Number of beams and spacing: 6 @ 4'-10"
Superstructure square footage: 822.25

Design load: AASHTO HS-20
Averaged daily traffic: 100
Design by: Barry Dickson
Abutment material: Concrete

Total project cost: $172,975
Total superstructure cost: $46,429
Total superstructure cost /sq. ft.: $56.47

MATERIAL

DECK
Material: Wood
Grade: Structural #2
Species: Northern Red Oak
Drying method: Kiln
Preservative treatment: Creosote

BEAMS/STRINGERS
Material: Wood
Grade: 24F-V3
Species: Southern Pine
Drying method: Kiln
Preservative treatment: Creosote

GUIDERAIL POSTS
Material: Wood
Grade: Structural #2
Species: Northern Red Oak
Drying method: Kiln
Preservative treatment: Creosote

GUIDERAIL CURB
Material: Wood
Grade: Structural #2
Species: Northern Red Oak
Size: 6"x12"
Preservative Treatment: Creosote

GUIDERAIL
Material: Steel
Preservative treatment: Galvanized

STRESSING STEEL
Grade: A-108
Bar Diameter: 3/4"
Coating: Epoxy
Quantity: 17
Bearing plate size: 7”x11”x5/8”

FUNDING SOURCES: USDA Forest Service $60,000; Balance of funding $112,975 from Stark County, Ohio.

LOCAL CONTACT: Michael J. Rehfs, P.E., P.S.
Stark County Engineer
5165 Southway Street SW
Canton, OH 44706
Phone: 330-477-6781

Information provided by the Stark County Engineer.

WIT Program Proposal Number: NA-26-91 Federal Grant Identifier: NA-91-0162

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Northeastern Area
State and Private Forestry

The National Wood In
Transportation Program