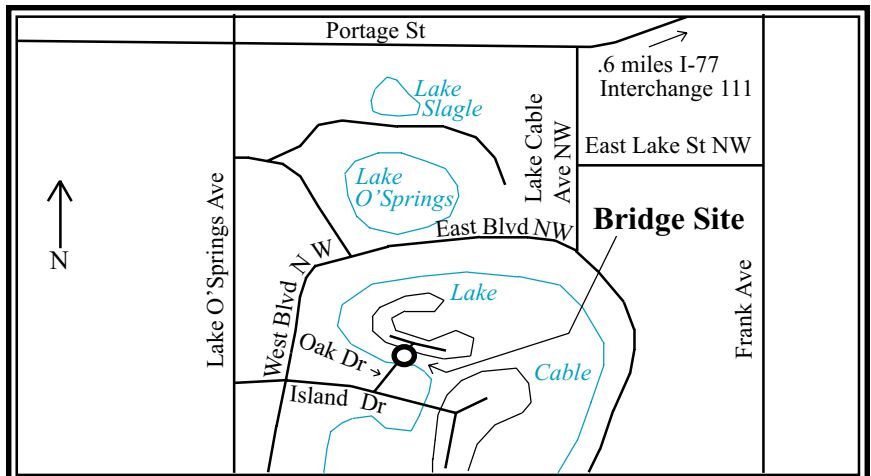


OAK DRIVE BRIDGE, Stark County, Ohio



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. Rehfus, 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

