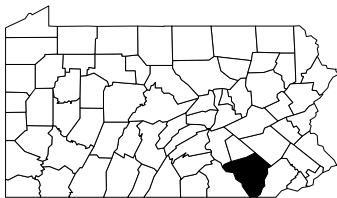
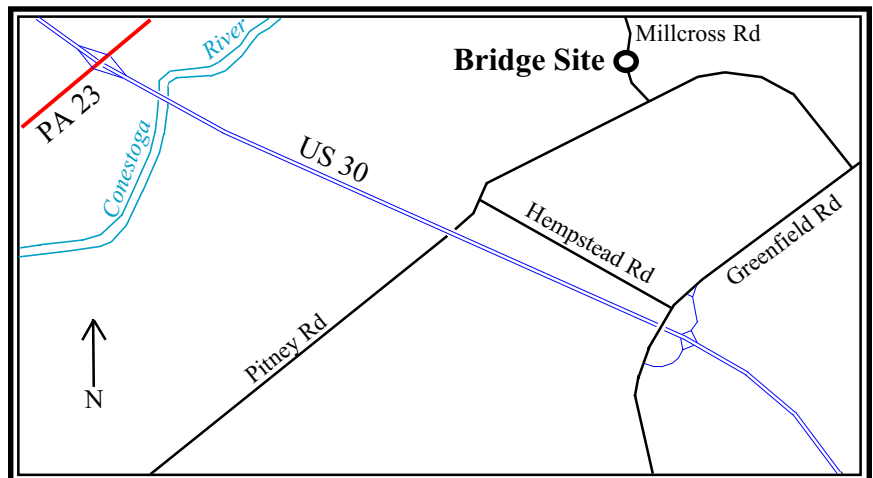


MILLCROSS ROAD TIMBER BRIDGE , Lancaster County, Pennsylvania



Type: Stress-laminated deck
County: Lancaster
Owner: East Lampeter Township
Built in: 1992
Engineer: Rettew Associates, Inc.
Spans over: Stauffer Run Creek
Bridge length: 23'-6"
Roadway width: 28'-0"

Directions: From the intersection of US 30 and Greenfield Road. North of the intersection of Greenfield Road and US 30, take Hempstead Road .4 miles to Pitney Road. Right onto Pitney Road. Pitney Road .6 miles to Millcross Road. Left onto Millcross Road. The bridge site is .1 miles from the intersection of Millcross Road and Pitney Road.



GEOMETRY

Number of Spans: 1
 Out-to-out length: 23'-6"
 Center-of-bearing length: 22'-0"
 Skew: None
 Number of lanes: 2
 Out-to-out width: 30'-0"
 Curb-to-curb width: 28'-0"
 Number of beams and spacing: None
 Superstructure square footage: 705

Design load: AASHTO HS-25
 Averaged daily traffic: 625 (1991)
 Design by: Rettew Associates, Inc.
 Abutment material: Concrete

Total wood quantity: 13,312 bf
 Total steel quantity: 2956 lbs
 Total project cost: \$142,832

MATERIAL

DECK

Material: Wood
 Grade: Structural no. 2 or better
 Species: Mixed oak
 Sizes used: 3" x 16"
 Quantity: 12,190 bf
 Preservative treatment: Creosote
 Specification: AWPAC1

BEAMS/STRINGERS (None)

GUIDERAIL POSTS

Material: Wood
 Grade: Structural no. 2 or better
 Species: Mixed oak
 Size: 10" x 12"
 Quantity: 320 bf
 Preservative treatment: Creosote
 Specification: AWPAC1

GUIDERAIL CURB

Material: Wood
 Grade: Structural no. 2 or better
 Species: Mixed oak
 Size: 6" x 12"
 Quantity: 426 bf
 Preservative Treatment: Creosote

GUIDERAIL

Material: Wood
 Grade: Structural no. 2 or better
 Species: Mixed oak
 Size: 6" x 8"
 Quantity: 376 bf
 Preservative treatment: Creosote

STRESSING STEEL

Grade: ASTM A722
 Manufacturer: Dywidag
 Bar Diameter: 1"
 Coating: Galvanized
 Quantity: 481 lbs
 Bearing plate size: 12" x 12" x 1/4"
 Channel: C15x50
 Bearing plate and channel quantity:
 2475 lbs

FUNDING SOURCES: USDA Forest Service: \$7,000; balance of funding from the Pennsylvania Department of Transportation and local funds.

LOCAL CONTACT: Township Supervisor
 East Lampeter Township
 2205 Old Philadelphia Pike
 Lancaster, PA 17602
 Phone: 717-393-1567

Information provided by The Pennsylvania Department of Transportation and derived from plans for Lancaster County T-548 (Millcross Road).

WIT Program Proposal Number: NA-23-89

Federal Grant Identifier: NA-89-0224

December 1999



Northeastern Area
 State and Private Forestry

The National Wood In
 Transportation Program

