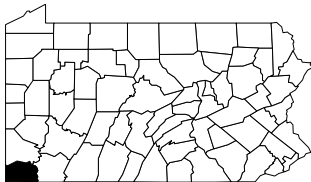
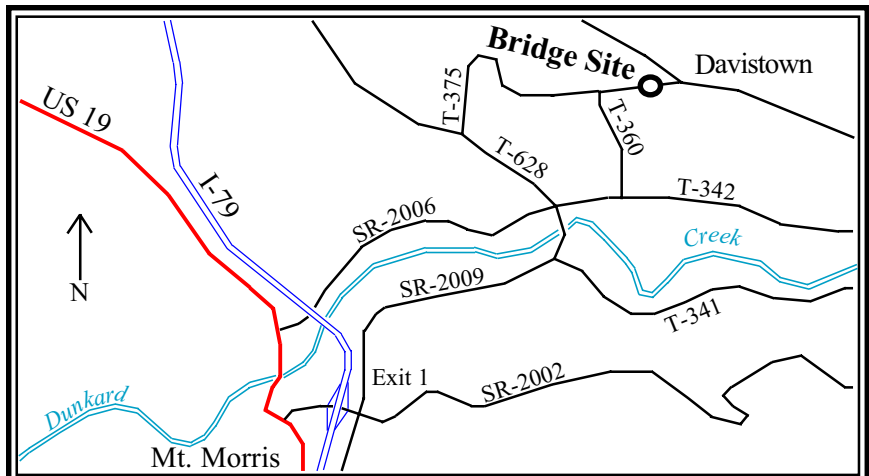


COUNTY BRIDGE #3, Greene County, Pennsylvania



Type: Steel girder w/ transverse glulam deck
County: Greene
Owner: Dunkard Township
Built in: 1993
Engineer: Fayette Engineering Co., Inc.
Spans over: Meadow Run Creek
Bridge length: 46'-7"
Roadway width: 31'-4 3/8'

Directions: From Mt. Morris and the intersection of SR-2002 and SR-2009 (just east of I-79, Exit 1), north on SR-2009 2.5 miles to the intersection of SR-2006, T-628, T-342 and SR-2009. From the intersection, right turn to T-342 .4 miles to the intersection of T-342 and T-360. Left onto T-360 1.4 miles to the intersection of T-375 and T-360. Right onto T-375 .4 miles to bridge site.



GEOMETRY

Number of Spans: 1
 Out-to-out length: 46'-7"
 Center-of-bearing length: 45'-0 3/8"
 Skew: 15 degrees
 Number of lanes: 2
 Out-to-out width: 33'-4 3/8"
 Curb-to-curb width: 31'-4 3/8"
 Number of beams and spacing: 11 at 3'-1"
 Superstructure square footage: 1555

Design load: AASHTO HS-25
 Averaged daily traffic: 300 (1989)
 Design by: Fayette Engineering & Gwin,
 Dobson & Foreman, Inc.
 Abutment material: Concrete

Total wood quantity: 9132 bf
 Total wood cost: \$108,345
 Total steel quantity: 48,865 lbs
 Total steel cost: \$101,791
 Total project cost: \$293,644
 Total superstructure cost: \$210,136
 Total superstructure cost /sq. ft.: \$135.14

MATERIAL

DECK

Material: Wood
 Grade: Structural no. 1
 Species: Red maple
 Sizes used: 3' x 8 1/2" x 4 1/2"
 Quantity: 14 panels
 Drying method: Kiln
 Preservative treatment: Creosote
 Method: AASHTO M133

BEAMS/STRINGERS

Material: Steel
 Grade: ASTM A572, grade 50
 Sizes used: W21 x 93
 Quantity: 11

GUIDERAIL POSTS

Material: Wood
 Grade: Structural no. 1
 Species: Red maple
 Quantity: 12 (6 each side)
 Drying method: Kiln
 Preservative treatment: Creosote
 Method: AASHTO M133

GUIDERAIL CURB

Material: Wood
 Grade: Structural no. 1
 Species: Red maple
 Size: 6" x 12" glulam
 Quantity: 2 (1 each side)
 Preservative Treatment: Creosote

GUIDERAIL

Material: Wood
 Grade: Structural no. 1
 Species: Red maple
 Size: 6" x 12"
 Preservative treatment: Creosote

STRESSING STEEL (none)

FUNDING SOURCES: USDA Forest Service \$8,600; Balance of funding from The Pennsylvania Department of Transportation and local funds.

LOCAL CONTACT: Edward L. Myers, Project Engineer
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Information provided by The Pennsylvania Department of Transportation and Fayette Engineering.

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