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'

**GEOMETRY**

- Number of Span: 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:**
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