LYNN RUN TRAIL BRIDGE #2, Westmoreland County, Pennsylvania

Type: King Post Truss
County: Westmoreland
Owner: Pennsylvania Bureau of Forestry
Built in: 1995
Fabricator: Loyalhanna Watershed Assn.
Subcontracted
Engineer: DCF Engineering, Inc.
Spans over: Linn Run Creek
Bridge length: 18'-0"
Bridge width: 10'-0"

Directions: From Ligonier travel east on US 30 approximately 1 mile to the intersection of US 30 and PA 381. Turn right onto PA 381 toward Rector. Travel approximately 2 miles to Rector and the intersection of PA 381 and Linn Run Road. Take Linn Run Road To Linn Run State Park. The bridge site is approximately 1 mile from the southeast boundary of Linn Run State Park on Fish Run Trail in Forbes State Forest, upstream from Linn Run State Park.
GEOMETRY

Number of Spans: 1
Out-to-out length: 18'-0"
Center-of-bearing length: 
Skew: 
Number of lanes: 
Out-to-out width: 12'-0"
Curb-to-curb width: 10'-0"
Number of beams and spacing: 8 @ 1'-10"
Superstructure square footage: 216

Design load: 
Averaged daily traffic: 
Design by: 
Abutment material: 
Total wood quantity: 
Total wood cost: 
Total steel quantity: 
Total steel cost: 
Total project cost: $44,500 (2 bridges)
Total superstructure cost: 
Total superstructure cost /sq. ft.: 

MATERIAL

DECK
Material: Wood
Grade: 
Species: Eastern hemlock
Sizes used: 
Quantity: 
Drying method: 
Preservative treatment: CCA
Specification: 
Method: 

BEAMS/STRINGERS
Material: Wood
Grade: 
Species: Eastern hemlock
Sizes used: 
Quantity: 
Drying method: 
Preservative treatment: CCA
Specification: 
Method: 

GUIDERAIL POSTS
Material: Wood
Grade: 
Species: Eastern hemlock
Sizes used: 4 (2 ea. side)
Quantity: 
Drying method: 
Preservative treatment: CCA
Specification: 
Method: 

GUIDERAIL CURB
Material: Wood
Grade: 
Species: Eastern hemlock
Size: 
Quantity: 
Preservative Treatment: CCA

GUIDERAIL
Material: Wood
Grade: 
Species: Eastern hemlock
Size: 2"x6"
Quantity: 
Preservative treatment: CCA

STRESSING STEEL
Grade: 
Manufacturer: 
Bar Diameter: 
Coating: 
Quantity: 
Bearing plate size: 

FUNDING SOURCES: USDA Forest Service $10,000; Balance of funding from Loyalhanna Watershed Assn., Inc. and other sources.

LOCAL CONTACT: Lysle S. Sherwin, Executive Director
Loyalhanna Watershed Association
PO Box 561
114 South Market St.
Ligonier, PA 15658

Phone: 724-238-7560

Information provided by Simone, Jaffe and Collins, Inc. and the Loyalhanna Watershed Assn., Inc.

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Northeastern Area
State and Private Forestry

The National Wood In
Transportation Program