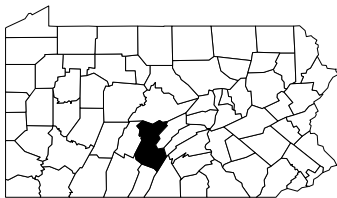
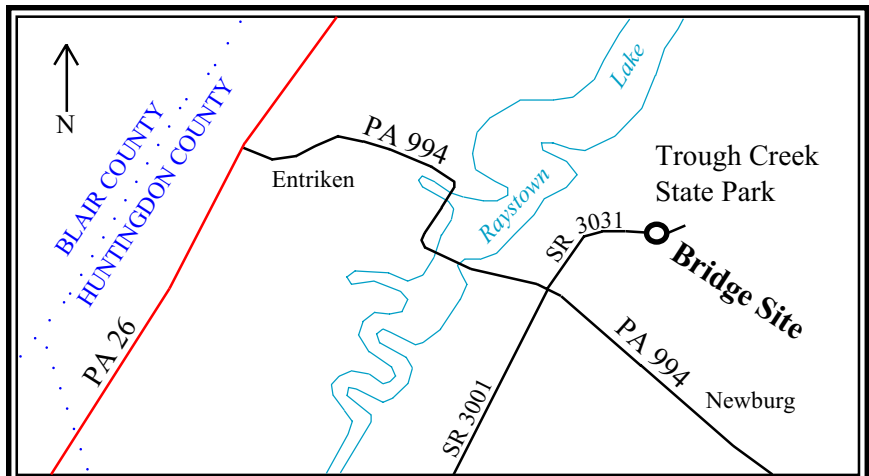


TROUGH CREEK STATE PARK BRIDGE, Huntingdon County, Pennsylvania



Type: Glulam arch w/glulam deck
County: Huntingdon
Owner: Pennsylvania Department of Conservation and Natural Resources
Engineer: Uni-Tec Consulting Engineers, Inc.
Spans over: Trough Creek
Bridge length: 77'-0"
Roadway width: 20'-0"

Directions: From the intersection of PA 26 and PA 994, just west of Entriken, take PA 994 towards Newburg approximately 6 miles to the intersection of PA 994 and SR 3031 (Hill Farm Road). Take SR 3031 to the entrance of Trough Creek State Park and the bridge site.



Department of Conservation and Natural Resources



USDA
Forest Service

Pennsylvania Rural
Development Council



GEOMETRY

Number of Spans: 1
 Out-to-out length: 77'-0"
 Center-of-bearing length: 75'-0"
 Skew: None

Number of lanes: 2
 Out-to-out width: 23'-0"
 Curb-to-curb width: 20'-0"
 Superstructure square footage: 1771

Design load: AASHTO HS-20
 and PA ML-80
 Design by: Uni-Tec Consulting
 Engineers, Inc.
 Abutment material: Concrete
 Average daily traffic: 80
 Total project cost: \$575,762

MATERIAL

DECK

Material: Glulam panels
 Species: Red maple
 Preservative treatment: Creosote

ARCH

Material: Glulam beam
 Species: Southern pine
 Preservative treatment: Penta (prior to
 treatment)

GUIDERAIL POSTS

Material: Steel I-beam
 Grade: AASHTO M183
 Preservative treatment: Galvanized

GUIDERAIL CURB

Material: Glulam
 Species: Red maple
 Preservative treatment: Penta

GUIDERAIL

Material: Glulam
 Species: Red maple
 Preservative Treatment: Penta

SIDEWALK

Material: Glulam panels
 Species: Red maple
 Preservative treatment: Penta

FUNDING SOURCES: USDA Forest Service \$40,000; Balance of funding from the Pennsylvania Department of Conservation and Natural Resources.

LOCAL CONTACT: John P. Conrad, Vice-president
 Uni-Tec Consulting Engineers, Inc.
 2007 Cato Avenue
 State College, PA 16801

Phone: 814-238-8223

Information provided by the Pennsylvania Department of Conservation and Natural Resources and derived from plans for Paradise Road Bridge over Trough Creek, Trough Creek State Park.

WIT Program Proposal Number: NA-45-95

Federal Grant Identifier: NA-95-0126

The Pennsylvania Timber Bridge Program is an interagency/intergovernmental effort coordinated by the Pennsylvania Rural Development Council (PRDC), an agency located within the Governor's Executive Offices. In addition to DCNR and PRDC, agencies participating in the Timber Bridge Working Group are the Pennsylvania Department of Transportation, the Pennsylvania Hardwoods Development Council, the USDA Forest Service, the Pennsylvania State University, and numerous private firms. The Timber Bridge Working Group is committed to the sustainable use of Pennsylvania's forest resources.

December 1999



Northeastern Area
 State and Private Forestry

The National Wood In
 Transportation Program

