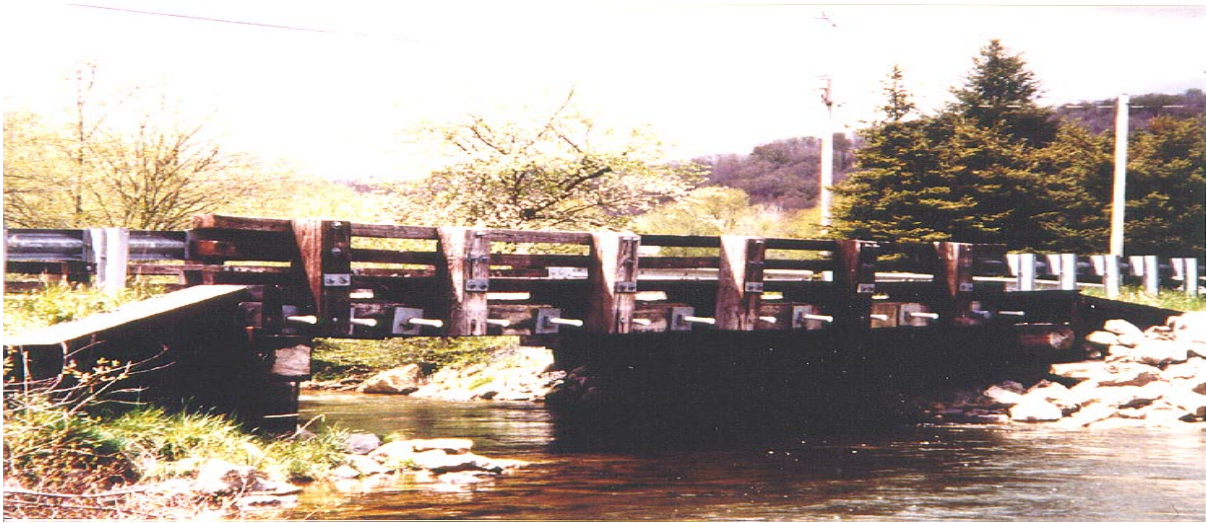
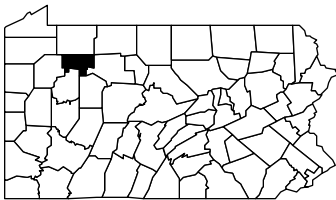


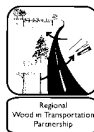
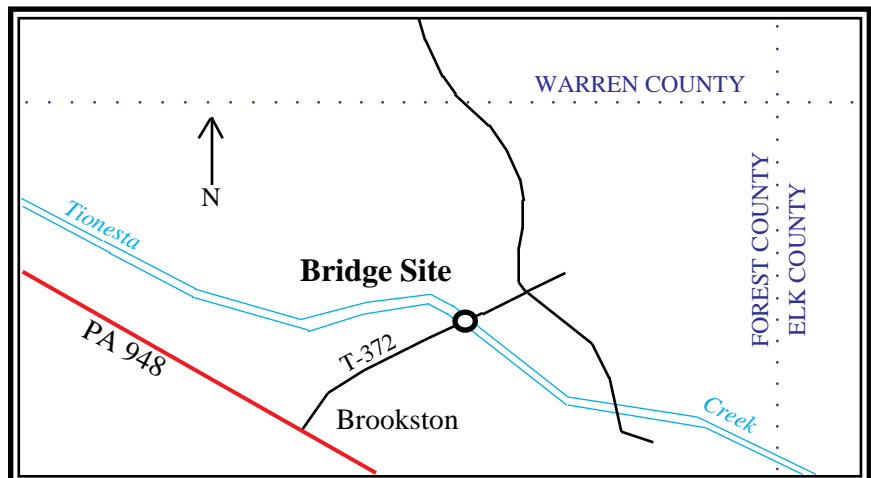
# BROOKSTON ROAD BRIDGE, Forest County, Pennsylvania



**Type:** Stress-laminated deck, steel/wood composite  
**County:** Forest  
**Owner:** Howe Township  
**Built in:** 1992  
**Engineer:** Northwest Engineering, Inc.  
**Spans over:** Tionesta Creek  
**Bridge length:** 36'-2 1/2"  
**Roadway width:** 18'-0"



**Directions:** From the intersection of PA 948 and T-372 east to the Village of Brookston. Turn onto T-372. The bridge site is .3 miles from the intersection of PA 948 and T-372.



## GEOMETRY

Number of Spans: 1  
Out-to-out length: 36'-2 1/2"  
Center-of-bearing length: 35'-0"  
Skew: 15 degrees  
Number of lanes: 2  
Out-to-out width: 20'-0"  
Curb-to-curb width: 18'-0"  
Number of beams and spacing: None  
Superstructure square footage: 724

Design load: AASHTO HS-25, ML-80  
Averaged daily traffic: <50  
Design by: Northwest Engineering, Inc.  
Abutment material: Timber pile

Total wood quantity: 11,950 bf  
Total steel quantity: 15,537 lbs

## MATERIAL

### **DECK**

Material: Wood  
Grade: Structural no. 2 or better  
Species: Northern red oak  
Sizes used: 2" x 14"  
Quantity: 10,138 bf  
Preservative treatment: Creosote  
Specification: AWWA C1-84  
Steel: 20 pieces of 3/8" x 14 galvanized  
every 6 laminations  
Grade: A572  
Quantity: 12,922 lbs

### **BEAMS/STRINGERS (none)**

### **GUIDERAIL POSTS**

Material: Wood  
Species: Northern red oak  
Sizes used: 10" x 12"  
Quantity: 548 bf  
Preservative treatment: Creosote  
Specification: AWWA C1-84

### **GUIDERAIL CURB**

Material: Wood  
Species: Northern red oak  
Size: 6" x 12"  
Quantity: 684 bf  
Preservative Treatment: Creosote

### **GUIDERAIL**

Material: Wood  
Species: Northern red oak  
Size: 2 - 6" x 8"  
Quantity: 580 bf  
Preservative treatment: Creosote

### **STRESSING STEEL**

Grade: ASTM A-722  
Bar Diameter: 1"  
Coating: Galvanized  
Quantity: 2,615 lbs  
Bearing plate size: 12" x 12" x 1 1/4"

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

**LOCAL CONTACT:** Township Supervisor  
Howe Township  
HC1 Box 168  
Sheffield, PA 16347  
Phone: 814-968-4203

The information provided by The Pennsylvania Department of Transportation and derived from plans for bridge T-372 crossing Tionesta Creek.

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