LOCAL BRIDGE NO. 1-5, Allegany County, New York

**Type:** Steel girders w/transverse glulam deck
**County:** Allegany
**Owner:** Allegany County Department of Public Works
**Built in:** 1991
**Fabricator:** Donver, Inc.
**Engineer:** Roy Pederson
**Spans over:** Tributary of Elm Valley Creek
**Bridge length:** 28'-6"
**Roadway width:** 28'-1 3/4"

**Directions:** From Alfred  and the intersection of NY 244 and Elm Valley Road (County Route 12) travel southe on Elm Valley Road 5 miles the the bridge site. (The bridge site is 1.3 miles south of the intersection of Elm Valley Road and Lake Road.)
GEOMETRY

Number of Spans: 1
Out-to-out length: 29’-6”
Skew: 33 degrees
Number of lanes: 2
Out-to-out width: 28’-1 3/4”
Curb-to-curb width: 28’-1 3/4”
Superstructure square footage: 831

Design load: AASHTO HS-25-44
Averaged daily traffic: 1980
Abutment material: Wood
Total project cost: $56,598
Total superstructure cost: $38,338
Total superstructure cost /sq. ft.: $46.13

MATERIAL

DECK
Material: Wood
Grade: NELMA #2
Species: Hickory, beech
Drying method: Kiln
Preservative treatment: Penta

BEAMS/STRINGERS
Material: Steel
Grade: ASTM A36
Preservative treatment: Galvanized

GUIDERAIL POSTS
Material: Steel
Grade: ASTM A32
Preservative treatment: Galvanized

GUIDERAIL CURB (none)
GUIDERAIL (none)
STRESSING STEEL (none)

FUNDING SOURCES:
USDA Forest Service: $19,000; Balance of funding from Allegany County Department of Public Works

LOCAL CONTACT:
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Information provided by Allegany County Department of Public Works and derived from plans for Bridge 1-5 County Road 12, Town of Alfred.

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Northeastern Area
State and Private Forestry

The National Wood In
Transportation Program