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

Type: Stress-laminated deck w/steel girders
County: Allegany
Owner: Allegany County Department of Public Works
Built in: 1993
Fabricator: Allegany County Department of Public Works
Engineer: Hunt Engineers & Architects
Spans over: North Branch Phillips Creek
Bridge length: 35'-0"
Roadway width: 30'-6"

Directions: From Belmont and the intersection of NY 19 and NY 244. Take NY 244 northeast 3.1 miles to Withey and the intersection of NY 244 and Baker Valley Road. Turn left onto Baker Valley Road and the bridge site is .2 miles from the intersection.
## GEOMETRY

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Spans:</td>
<td>1</td>
</tr>
<tr>
<td>Out-to-out length:</td>
<td>35'-0&quot;</td>
</tr>
<tr>
<td>Skew:</td>
<td>40 degrees</td>
</tr>
<tr>
<td>Number of lanes:</td>
<td>2</td>
</tr>
<tr>
<td>Out-to-out width:</td>
<td>32'-0&quot;</td>
</tr>
<tr>
<td>Curb-to-curb width:</td>
<td>30'-6&quot;</td>
</tr>
<tr>
<td>Superstructure square footage:</td>
<td>1120</td>
</tr>
<tr>
<td>Design load:</td>
<td>AASHTO HS-20-44</td>
</tr>
<tr>
<td>Averaged daily traffic:</td>
<td>300</td>
</tr>
<tr>
<td>Design by:</td>
<td>Hunt Engineers &amp; Architects</td>
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<tr>
<td>Abutment material:</td>
<td>Steel</td>
</tr>
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<td>Total project cost:</td>
<td>$84,294</td>
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<tr>
<td>Total superstructure cost:</td>
<td>$59,634</td>
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<tr>
<td>Total superstructure cost /sq. ft.:</td>
<td>$53.25</td>
</tr>
</tbody>
</table>

## MATERIAL

### DECK
- **Material:** Wood
- **Grade:** NELMA #2
- **Species:** Beech and hickory
- **Drying method:** Kiln
- **Preservative treatment:** Creosote

### BEAMS/STRINGERS
- **Material:** Steel

### GUIDERAIL POSTS
- **Material:** Steel

### GUIDERAIL CURB (none)

### GUIDERAIL
- **Material:** Wood
- **Grade:** NELMA #2
- **Species:** Beech and hickory
- **Preservative treatment:** Penta

### STRESSING STEEL
- **Bar Diameter:** 5/8”
- **Coating:** Galvanized
- **Quantity:** 10
- **Bearing plate size:** 6”x6”x7/8”

### FUNDING SOURCES:
- USDA Forest Service: $18,900; Balance of funding from Allegany County Department of Public Works and other sources.

### LOCAL CONTACT:
- Howard Schuster, Executive Director
- Seneca Trail RC&D Council, Inc.
- 2 Park Square
- Franklinville, NY 14737
- Phone: 716-676-5111

Information provided by Allegany County Department of Public Works

WIT Program Proposal Number: NA-39a-91

Federal Grant Identifier: NA-91-0168

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