LYNN RUN TRAIL BRIDGE #1, 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

<table>
<thead>
<tr>
<th>Number of Spans: 1</th>
<th>Design load:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Out-to-out length: 18'-0&quot;</td>
<td>Averaged daily traffic:</td>
</tr>
<tr>
<td>Center-of-bearing length:</td>
<td>Design by:</td>
</tr>
<tr>
<td>Skew:</td>
<td>Abutment material:</td>
</tr>
<tr>
<td>Number of lanes:</td>
<td></td>
</tr>
<tr>
<td>Out-to-out width: 12'-0&quot;</td>
<td>Total wood quantity:</td>
</tr>
<tr>
<td>Curb-to-curb width: 10'-0&quot;</td>
<td>Total wood cost:</td>
</tr>
<tr>
<td>Number of beams and spacing: 8 @ 1'-10&quot;</td>
<td>Total steel quantity:</td>
</tr>
<tr>
<td>Superstructure square footage: 216</td>
<td>Total steel cost:</td>
</tr>
<tr>
<td></td>
<td>Total project cost: $44,500 (2 bridges)</td>
</tr>
<tr>
<td></td>
<td>Total superstructure cost:</td>
</tr>
<tr>
<td></td>
<td>Total superstructure cost /sq. ft.:</td>
</tr>
</tbody>
</table>

### 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.

WIT Program Proposal Number: NA-12-95 Federal Grant Identifier: NA-95-0140