

After a comprehensive survey of all of the remaining pre-1932 metal truss bridges in the commonwealth, this bridge was named as one of the more significant examples of those identified.

A SURVEY AND
PHOTOGRAPHIC INVENTORY
OF
METAL TRUSS BRIDGES
IN
VIRGINIA
1865-1932

III. The Culpeper Construction District

by

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(The opinions, findings, and conclusions expressed in this report are those of the author and not necessarily those of the sponsoring agencies.)

Virginia Highway & Transportation Research Council
(A Cooperative Organization Sponsored Jointly by the Virginia
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Charlottesville, Virginia

December 1975

VHTRC 76-R11

76-71
Cedar Run Bridge
Prince William Co.

Design Information

Compass orientation of axis: NE/SW.

Architectural or decorative features:

No. of spans: 1; length; overall: 89'6".

*Simple 2-pipe railing.
Rather tall proportions.*

Span types:

- (1) Truss; length: 87'.
- (2) _____; length: _____.
- (3) _____; length: _____.
- (4) _____; length: _____.
- (5) _____; length: _____.
- (6) _____; length: _____.

Truss has a very unusual bridge plate mounted on top of the top chord.

No. of lanes: 1; width: 13' c to c.

Structural Information

Substructure:

- Material: Sandstone masonry.
- Foundations: _____.
- Piers: _____.
- Abutments: Coursed, randomly sized ashlar.
- Wings: Coursed randomly sized ashlar.
- Seats: Coursed randomly sized ashlar.

Superstructure:

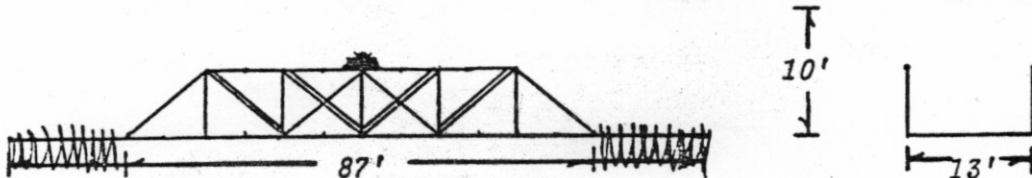
Material: Steel sources Jones & Laughlin.

Characteristics, details and members:

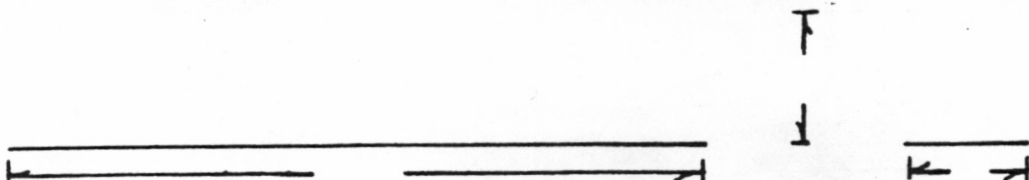
- Connections: X pin.
rigid.
- Top Chords: 2 upright channels connected with cover plates and stay plates.
- End Posts: 2 upright channels connected with cover plates and stay plates.
- Bottom chords: Double rectilinear eye bars, die forged.
- Posts: Paired back-to-back angles connected with latticing.
- Diagonals: Double rectilinear eye bars, loop welded.
- Counters: Single cylindrical tie rods, loop welded.

Truss Configuration

Main span type: Pratt, full slope ~~_____~~ /Pony/~~_____~~



Secondary span type: _____ Through/Pony/Deck, Skew



TRUSS BRIDGE SURVEY AND INVENTORY FORM

Photo Numbers:

07-76-4

 A
 B
 C

Geographic Information

State: Virginia
Va. Dept. of Highways District: Culpeper ; No. 07
County: Prince William ; No. 76
City/Town: _____
~~_____~~/Road: Route #611
~~_____~~/Stream/~~_____~~ (crossing): Cedar Run
UTM/KGS Coordinates: _____

12366-R-25: 1-12

Historical Information

Formal designation: #2056 (Structure Tabulation No.)
Local designation: #6047 (District Structure No.)
Designer: Walker Brothers, Contractors, Charlestown, West Virginia
Builder: Walker Brothers, Contractors, Charlestown, West Virginia
Date: 1900 ; basis for: Bridge/date plate
Original owner: _____ ; use: Vehicular bridge
Present owner: Va. Dept. of Highways & Transp. ; use: Vehicular bridge

Historical or Technological Significance

Unique/Unusual in its time: _____

X Rare survivor though of standard design: One of two bridges definitely attributed to Walker Brothers, Contractors.

Typical example of its time and a common survivor: _____

Other Remarks/Explanation: The other example of their work is a small pony truss bridge in Rockingham County, on Route #817 over Turner Run (see Form 08-82-9). Since there are no bolts at panel points on this truss, it is very likely that this is the original site for this truss. Date plate is positioned at the center of the top chord facing the roadway.

Nature/Degree of any destructive threats: _____

Reference materials and contemporary photos/illustrations with their respective locations
Culpeper District bridge files.

Recorder: DAN DEIBLER
Date: 3 October 1974
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