

## VIRGINIA

## HISTORIC LANDMARKS COMMISSION

File no. 76-249 Negative no(s).5176

## SURVEY FORM

Historic name Roanoke Truss Bridge across

Common name

County/Town/Chy Prince William County
Street address or route number vic. 11500 Lucasville Rd. (S.R. 692) Bristow, VA 22013

USGS Quad Independent Hill

Date or period 1930

Original owner Va. Dept. Hwy & TransportationArchitect/builder/craftsmen Roanoke Iron & Bridge Co.

Original use Highway bridge

Present owner Va. Dept. of Hwy. & Transp.

Present owner address 1223 E. Broad St.

Richmond, VA 23219

Present use Highway bridge

Acreage N/A

Source of name Bridge survey, date plate

Source of date N/A

Stories

Foundation and wall const'n N/A

Roof type N/A

State condition of structure and environs

Bridge appears to be in good condition. Not scheduled

for replacement. State potential threats to structure Note any archaeological interest

Should be investigated for possible register potential? yes \_ no

Architectural description (Note significant features of plan, structural system and interior and exterior decoration, taking care to point out aspects not visible or clear from photographs. Explain nature and period of all alterations and additions. List any outbuildings and their approximate ages, cemeteries, etc.)

This is a single-span, high/through camelback Pratt truss vehicular bridge. It is located on State Route 692, a short distance north of Brentsville, spanning Broad Run. The span measures 150'9", from end post to end post. The bridge is 14'7" wide and has a 12'3" clear roadway. The vertical clearance is 13'7". The wooden deck is constructed of 4"x10" treated pine flooring. The bridge has a I2-ton capacity. The truss rests on concrete abutments. The guard rails are simple, 2-pipe railings.

The camelback truss became a popular design, prevalent in the United States from the late 19th to the early 20th century. The camelback truss is a type of Pratt truss in which the arched top chord is formed with five slopes. The camelback was economical to erect because its design permitted greater standardization of its members. The design also provided better stress distribution.

Interior inspected? N/A

Historical significance (Chain of title; individuals, families, events, etc., associated with the property.)

According to the Virginia Highway and Transportation Research Council's publication Metal Truss Bridges in Virginia: 1865 - 1932, conducted in 1974-75 by Dan G. Deibler, this Roanoke steel truss bridge is one of the few "camelback" truss bridges in the Culpeper Construction District.\*

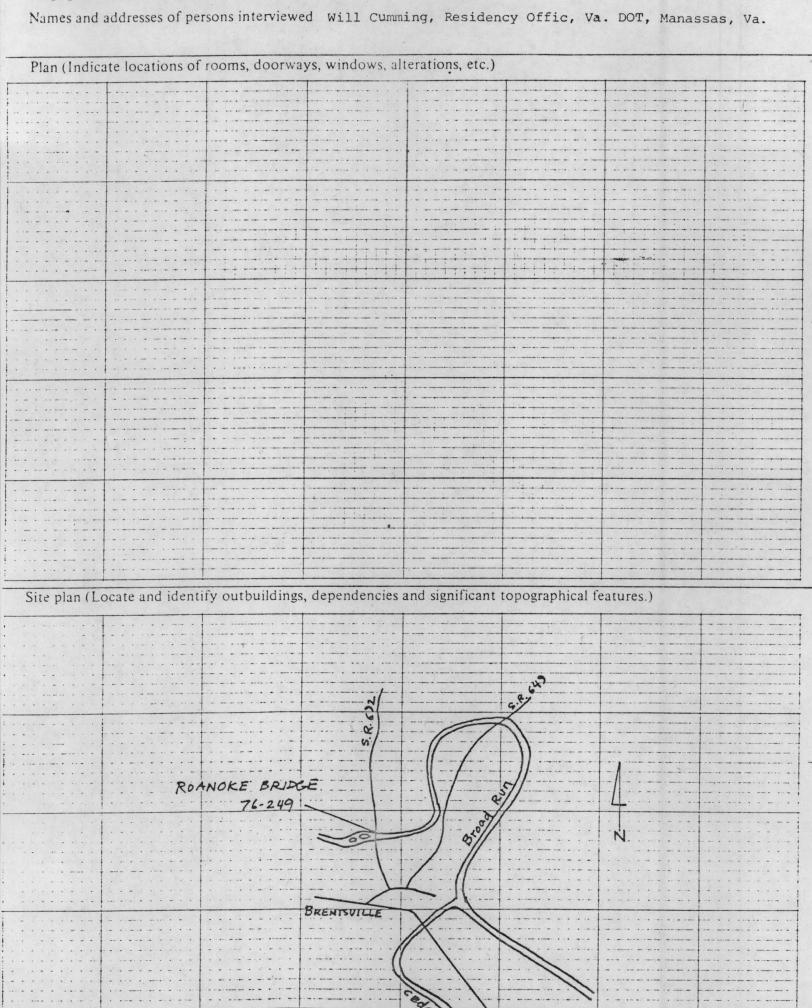
A name and date plate on this vehicular bridge reveals the builder as the Roanoke Iron & Bridge Works, Inc.; and 1930 as the year of erection.

Though there are no indications that the bridge had been relocated to this site, the Research Council's survey form on this bridge asserts that its "size and massive structural members clearly suggest that it was intended for much heavier traffic, possible on a primary route."

\* The Culpeper Construction District is comprised of 13 Northern Virginia and Piedmont Counties.

Sources and bibliography
Published sources (Books, articles, etc., with bibliographic data.) Dan Deibler for Va. Highway & Transportation Research Council, Metal Truss Bridges in Virginia: 1865-1932, Vol. 3, Culpeper District (1975), p.44; T.A. Comp and D. Jackson, "Bridge Truss Types: A Guide for Dating & Identifying."
Primary sources (Manuscript documentary or graphic materials; give location.)

Culpeper District Bridge files



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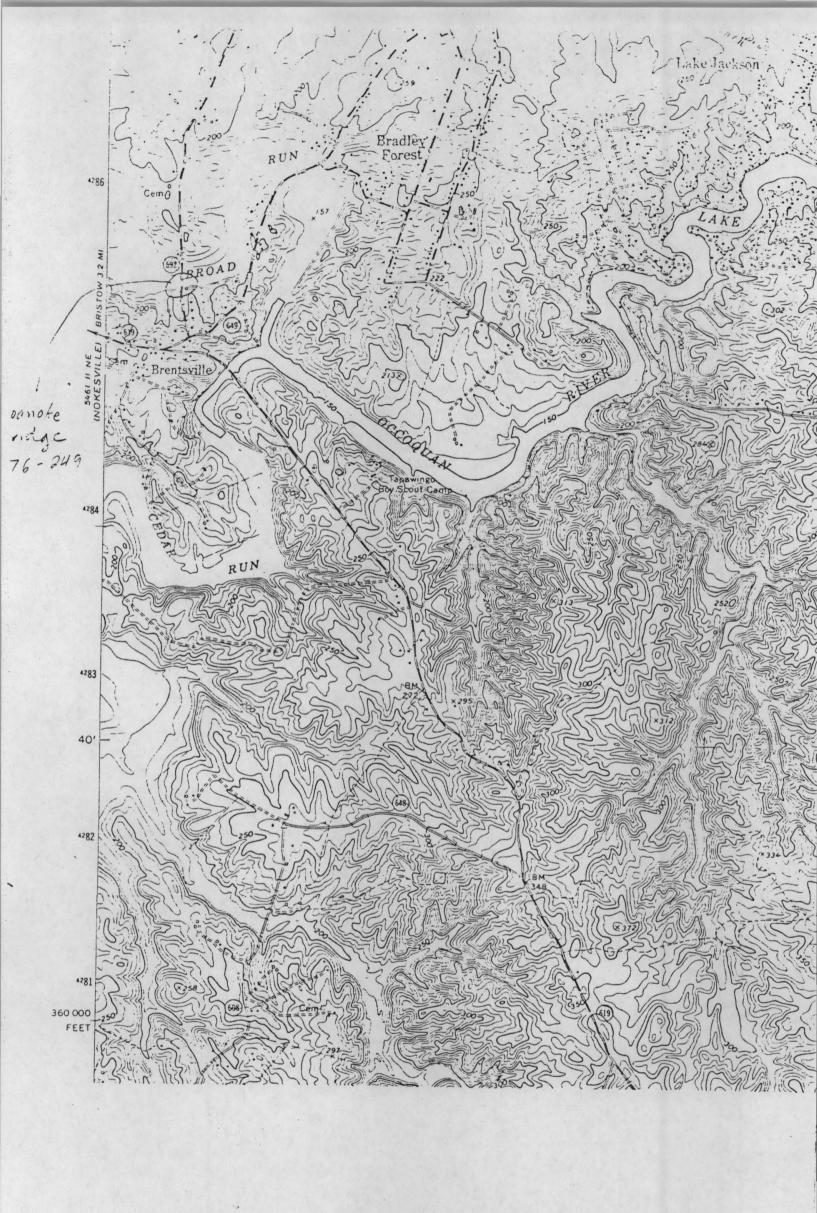


	Photo Numbers: Ø7-76-12
TRUSS BRIDGE SURVEY AND INVENTORY FORM	-A -B -C
Geographic Information	
State: Virginia  Va. Dept. of Highways District: Culpeper; No. 47.  County: Prince William; No. 76.  Town: Bentville  Street/Road: Stale roule "602, Lucasville Read.  VITM/KGS Coordinates:	12336-218 Ø-13
Historical Information	
Formal designation: 1745 (Situature Tabulation No).  Local designation: 6041 (District Situature No.).  Designer:	
Builder: Rounote Iron & Bridge Works, Inc., Rounot Date: 1930; basis for: name/date plate	
Present owner: Virginia Dept. of Highways; use: vel	ucular bridge
Historical or Technological Significance	
Unique/Unusual in its time:	
Rare survivor though of standard design: one of fe	w Camellack thus
other Remarks/Explanation: There are no boils of to inclicate that this truss bridge has been houselver, the size and massive structural man that it was untended for much however that primary jours.	relocated to this sile,
Nature/Degree of any destructive threats:	
nature/Degree of any destructive threats.	
Reference materials and contemporary photos/illustrations wis Culpeper District Bridge Files	th their respective locations
Recorder: DN DEIBLED.  Date: 1 August 1974  Affiliation: Peaurch Council.  Concrete Section.	

Design Information
Compass orientation of axis: $N/C$ . Architectural or decorative features:
No. of spans: <u>one (1)</u> ; length; overall: <u>152'4"</u> . Simple 2-pipe realings  Span types:  (1) <u>trus</u> ; length: <u>150'9"</u> (2) ; length: <u>Lateral &amp; surry struts are</u> (3) ; length: <u>angles connected w/ lacing</u> (4) ; length: <u>rans fer surry braces</u> (5) ; length: <u>rans fer surry braces</u>
No. of lanes: $\underline{unc(1)}$ ; width: $\underline{14'7}$ c to c.
Structural Information
Substructure:  Material:
Truss Configuration
Main span type: Proutt, Camelback Through/
22 <sup>7</sup> / <sub>150</sub> 2"   150'5"   150'
provide @ 16'9'erich
Secondary span type: Through/Pony/Deck, Skew

Courte Pence William Britis Mc. 6041 1250112 160 69Z Oran Brown Run Coposity\_12 Tons 220155 5,99N 4'2" x 4" Over Resolvery Alec / Come 4" x 10" Trested Pine Mon Zines of closed Anslavior Coisis 7-10"x5" I's
Employed to 150 1515 Ptc. 723 0.20 mino Ate 649 Abolmonts Lagor Epe: Comp. Seon !

Country Prince William Bridge No. 6041 Distance C-C. Trusses\_14'7"

12-10"x 21/2" & 8" 6-5 Center of Joan 9 10006 @ 16'9" = SITO PARS Wesses. Ain Connected. Bivered To be used together with Form COB-6