

HISTORIC SITE FILE: *Nokesville Truss*
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Form No. 10-300 (Rev. 10-74)

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

FOR NPS USE ONLY

RECEIVED

DATE ENTERED

NATIONAL REGISTER OF HISTORIC PLACES INVENTORY -- NOMINATION FORM

SEE INSTRUCTIONS IN HOW TO COMPLETE NATIONAL REGISTER FORMS
TYPE ALL ENTRIES -- COMPLETE APPLICABLE SECTIONS

1 NAME

HISTORIC
Nokesville Truss
AND/OR COMMON

2 LOCATION

STREET & NUMBER

Route 646 (Aden Road) over Southern R.R.

NOT FOR PUBLICATION

CITY, TOWN

CONGRESSIONAL DISTRICT

Nokesville

X VICINITY OF

Eighth (Herbert E. Harris, II)

STATE

CODE

COUNTY

CODE

Virginia

51

Prince William

153

3 CLASSIFICATION

CATEGORY	OWNERSHIP	STATUS	PRESENT USE	
<input type="checkbox"/> DISTRICT	<input type="checkbox"/> PUBLIC	<input checked="" type="checkbox"/> OCCUPIED	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> MUSEUM
<input type="checkbox"/> BUILDING(S)	<input checked="" type="checkbox"/> PRIVATE	<input type="checkbox"/> UNOCCUPIED	<input type="checkbox"/> COMMERCIAL	<input type="checkbox"/> PARK
<input checked="" type="checkbox"/> STRUCTURE	<input type="checkbox"/> BOTH	<input type="checkbox"/> WORK IN PROGRESS	<input type="checkbox"/> EDUCATIONAL	<input type="checkbox"/> PRIVATE RESIDENCE
<input type="checkbox"/> SITE	<input type="checkbox"/> PUBLIC ACQUISITION	<input type="checkbox"/> ACCESSIBLE	<input type="checkbox"/> ENTERTAINMENT	<input type="checkbox"/> RELIGIOUS
<input type="checkbox"/> OBJECT	<input type="checkbox"/> IN PROCESS	<input type="checkbox"/> YES: RESTRICTED	<input type="checkbox"/> GOVERNMENT	<input type="checkbox"/> SCIENTIFIC
	<input type="checkbox"/> BEING CONSIDERED	<input checked="" type="checkbox"/> YES: UNRESTRICTED	<input type="checkbox"/> INDUSTRIAL	<input checked="" type="checkbox"/> TRANSPORTATION
		<input type="checkbox"/> NO	<input type="checkbox"/> MILITARY	<input type="checkbox"/> OTHER:

4 OWNER OF PROPERTY

NAME
Southern Railway System
STREET & NUMBER
99 Spring Street, S.W.
CITY, TOWN
Atlanta

VICINITY OF

STATE
Georgia

5 LOCATION OF LEGAL DESCRIPTION

COURTHOUSE,
REGISTRY OF DEEDS, ETC. V.D.H.&T. (Structure No. 6023)

STREET & NUMBER
1221 East Broad Street

CITY, TOWN
Richmond

STATE
Virginia

6 REPRESENTATION IN EXISTING SURVEYS

TITLE
V.D.H.&T. Metal Truss Bridges in Virginia (1865-1932)
(Culpeper Construction District)

DATE
December 1975 (VHTRC 76-R11)

FEDERAL STATE COUNTY LOCAL

DEPOSITORY FOR
SURVEY RECORDS V.H.&T. Research Council

977-0290

CITY, TOWN
Charlottesville

STATE
Virginia

Age

DESCRIPTION

CONDITION

EXCELLENT
 GOOD
 FAIR

DETERIORATED
 RUINS
 UNEXPOSED

CHECK ONE

UNALTERED
 ALTERED

CHECK ONE

ORIGINAL SITE
 MOVED DATE _____

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

A single span through Pratt truss. The span length is 73' 11 1/2". The wrought iron truss consists of top chords and end posts of two upright channels connected with lacing bars, top and bottom. The posts are two vertical channels connected with lacing bars.

The substructure is concrete with timber seats.

8 SIGNIFICANCE

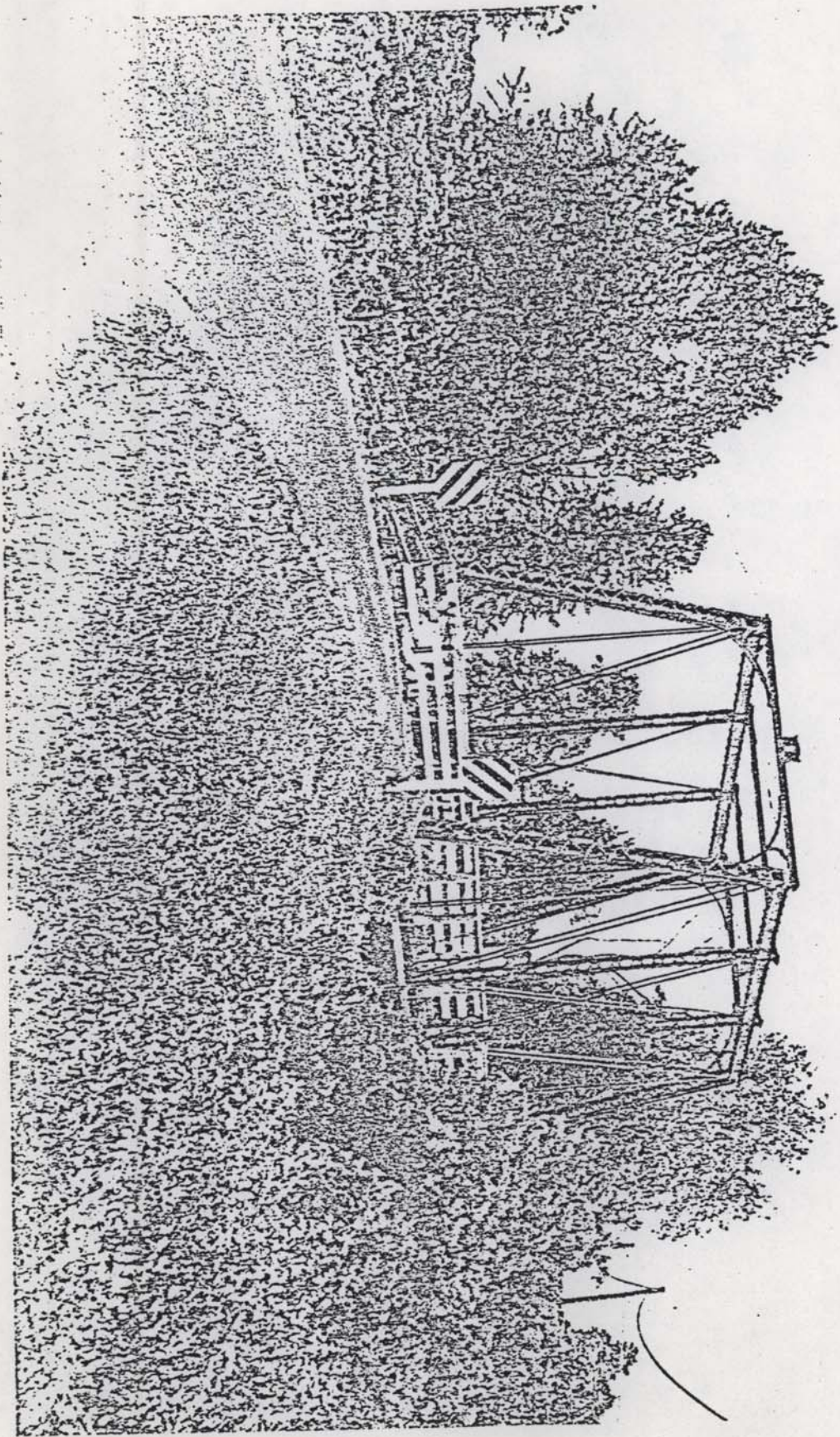
PERIOD	AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW			
<input type="checkbox"/> PREHISTORIC	<input type="checkbox"/> ARCHEOLOGY-PREHISTORIC	<input type="checkbox"/> COMMUNITY PLANNING	<input type="checkbox"/> LANDSCAPE ARCHITECTURE	<input type="checkbox"/> RELIGION
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> ARCHEOLOGY-HISTORIC	<input type="checkbox"/> CONSERVATION	<input type="checkbox"/> LAW	<input type="checkbox"/> SCIENCE
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> ECONOMICS	<input type="checkbox"/> LITERATURE	<input type="checkbox"/> SCULPTURE
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> ARCHITECTURE	<input type="checkbox"/> EDUCATION	<input type="checkbox"/> MILITARY	<input type="checkbox"/> SOCIAL/HUMANITARIAN
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> ART	<input checked="" type="checkbox"/> ENGINEERING	<input type="checkbox"/> MUSIC	<input type="checkbox"/> THEATER
<input checked="" type="checkbox"/> 1800-1899	<input checked="" type="checkbox"/> COMMERCE	<input type="checkbox"/> EXPLORATION/SETTLEMENT	<input type="checkbox"/> PHILOSOPHY	<input checked="" type="checkbox"/> TRANSPORTATION
<input type="checkbox"/> 1900-	<input checked="" type="checkbox"/> COMMUNICATIONS	<input checked="" type="checkbox"/> INDUSTRY	<input type="checkbox"/> POLITICS/GOVERNMENT	<input type="checkbox"/> OTHER (SPECIFY)
		<input type="checkbox"/> INVENTION		

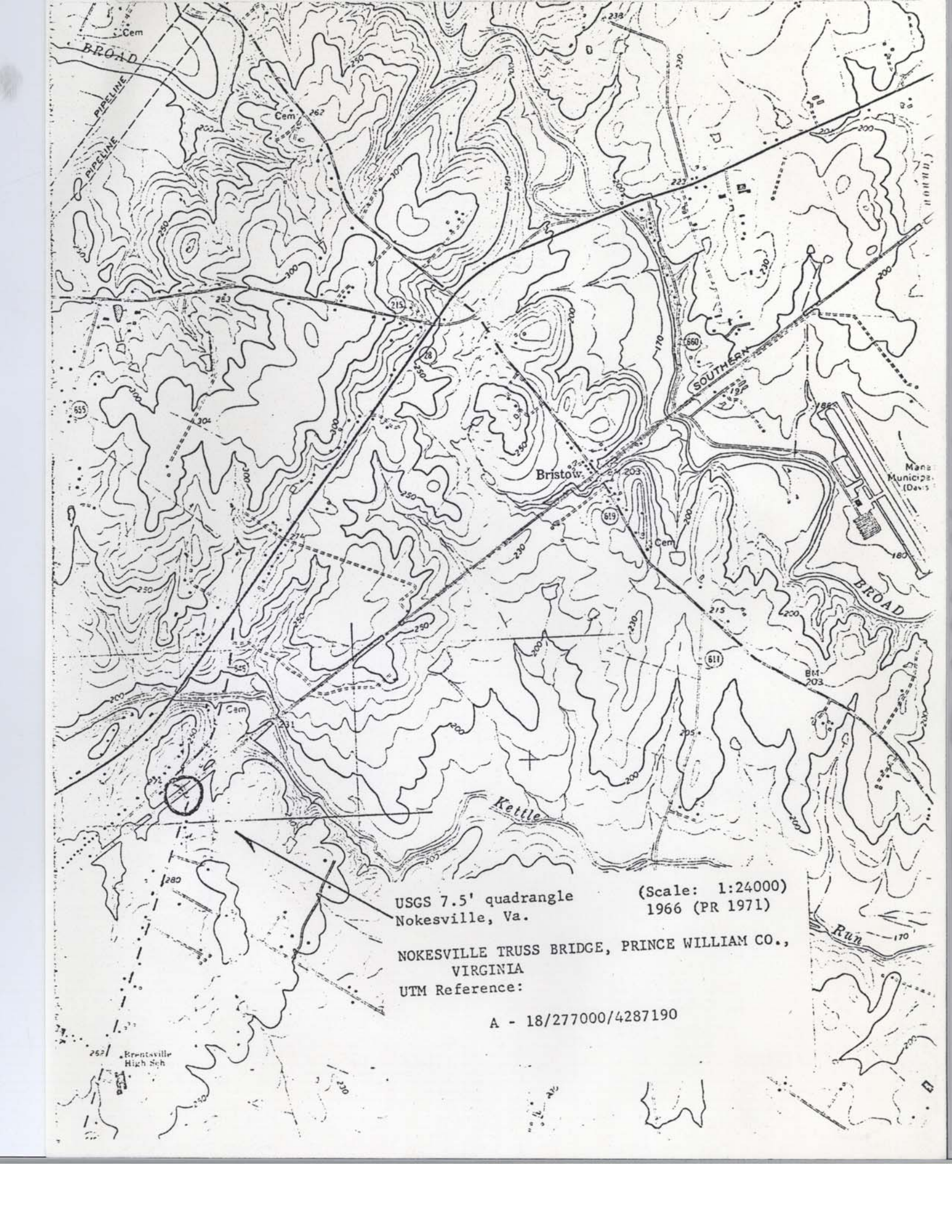
SPECIFIC DATES 1882

BUILDER/ARCHITECT Keystone Bridge Company

STATEMENT OF SIGNIFICANCE

This truss was built in 1882 by the Keystone Bridge Company of Pittsburgh, a pioneer in truss technology, and is of wrought iron construction. Using the criteria for significance developed by the Research Council (June 1977), this bridge received a rating of 21.0 out of a possible 27.0 points.





USGS 7.5' quadrangle
Nokesville, Va.

(Scale: 1:24000)
1966 (PR 1971)

NOKESVILLE TRUSS BRIDGE, PRINCE WILLIAM CO.,
VIRGINIA
UTM Reference:

A - 18/277000/4287190

252
Brentsville
High Sch

20
20

27

MAJOR BIBLIOGRAPHICAL REFERENCES

V.D.H.&T. Metal Truss Bridges in Virginia (1865-1932)
Culpeper Construction District

GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY Less than one acre

UTM REFERENCES

A	1,8	27,70,0,0	4,28,71,9,0	B			
	ZONE	EASTING	NORTHING		ZONE	EASTING	NORTHING
C				D			

VERBAL BOUNDARY DESCRIPTION

Limits of Structure

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE	CODE	COUNTY	CODE
None			
STATE	CODE	COUNTY	CODE

FORM PREPARED BY

NAME/TITLE

W. S. G. Britton III

ORGANIZATION

1221 East Broad Street

STREET & NUMBER

Richmond

CITY OR TOWN

DATE

TELEPHONE

Virginia

STATE

STATE HISTORIC PRESERVATION OFFICER CERTIFICATION

THE EVALUATED SIGNIFICANCE OF THIS PROPERTY WITHIN THE STATE IS:

NATIONAL

STATE

LOCAL

As the designated State Historic Preservation Officer for the National Historic Preservation Act of 1965 (Public Law 89-665), I hereby nominate this property for inclusion in the National Register and certify that it has been evaluated according to the criteria and procedures set forth by the National Park Service.

FEDERAL REPRESENTATIVE SIGNATURE

TITLE Tucker Hill, Executive Director
Virginia Historic Landmarks Commission

DATE NOV 15 1977

FOR NPS USE ONLY

I HEREBY CERTIFY THAT THIS PROPERTY IS INCLUDED IN THE NATIONAL REGISTER

DATE

DIRECTOR, OFFICE OF ARCHEOLOGY AND HISTORIC PRESERVATION

ATTEST:

DATE

KEEPER OF THE NATIONAL REGISTER

DESCRIPTION OF HIGHLIGHTED SITE

Nokesville Truss Bridge

1882

Name

Date(s)

S.R. 646 across the Southern Railroad at Nokesville

Prince William County

Location

Jurisdiction

Description

A single-span, pin-connected, wrought iron through Pratt truss, manufactured by Keystone Bridge Co., Pittsburgh, Pa. The span length of this vehicular bridge is 73'11 $\frac{1}{2}$ ".

History

This is a rare survivor of a ^{type of} wrought iron truss bridge built by a company that pioneered in truss bridge technology. Listed on the National and State registers, in 1974 the bridge received 21.0 points out of a possible 27.0 points in a bridge rating developed by the Virginia Highway and Transportation Department's Highway Research / Council. The bridge is owned by the Southern Railway System.

TRUSS BRIDGE SURVEY AND INVENTORY FORM

Photo Numbers:

07-76-11

- A
- B
- C
- D
- E

12336-21: 14-21

Geographic Information

State: Virginia
 Va. Dept. of Highways District: Culpeper ; No. 07
 County: Prince William ; No. 76
 City/Town: Nokesville
 State/Road: State Route #646, Aden Road
 Railroad (crossing): Southern R.R.
 UTM/KGS Coordinates: _____

Historical Information

Formal designation: #2066 (Structure Tabulation No.)
 Local designation: #6023 (District Structure No.)
 Designer: Keystone Bridge Company, Pittsburgh, Pennsylvania
 Builder: Keystone Bridge Company, Pittsburgh, Pennsylvania
 Date: 1882 ; basis for: Bridge/date plate
 Original owner: Southern Railroad ; use: Vehicular bridge
 Present owner: Southern Railroad ; use: Vehicular bridge

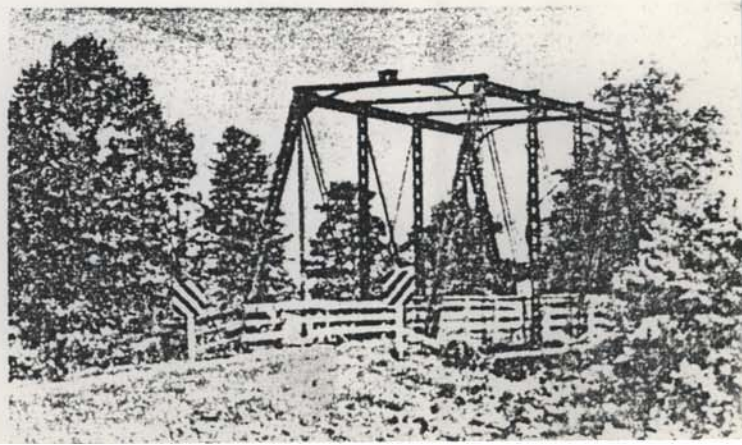
Historical or Technological Significance

Unique/Unusual in its time: _____
 Rare survivor though of standard design: Only truss bridge surveyed to date built by this company.
 Typical example of its time and a common survivor: _____
 Other Remarks/Explanation: The date of this truss would place it in the age of wrought iron truss design.

Nature/Degree of any destructive threats: _____

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

Recorder: DAN DEIBLER
 Date: 1 August 1974
 Affiliation: Research Council,
Concrete Section



Design Information

Compass orientation of axis: NE/SW.

Architectural or decorative features:

Wooden railing

No. of spans: 1; length; overall: 78'.

Span types:

- (1) Truss; length: 73'11-1/2".
- (2) _____; length: _____.
- (3) _____; length: _____.
- (4) _____; length: _____.
- (5) _____; length: _____.
- (6) _____; length: _____.

No. of lanes: 1; width: 16'2" c to c.

Structural Information

Substructure:

Material: Concrete & timber
 Foundations: _____
 Piers: _____
 Abutments: Concrete
 Wings: Concrete
 Seats: Timber

Superstructure:

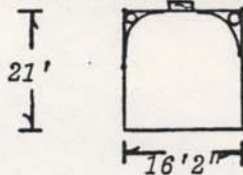
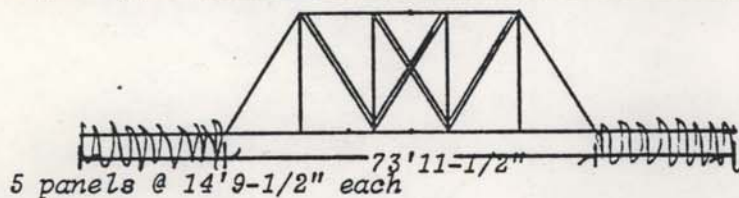
Material: Wrought iron sources _____

Characteristics, details and members:

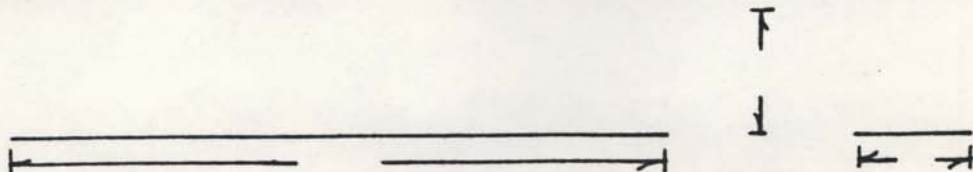
Connections: X pin.
 _____ rigid.
 Top Chords: 2 upright channels connected with lacing bars top and bottom.
 End Posts: 2 upright channels connected with lacing bars top and bottom
 Bottom chords: Double rectilinear eye bars, die forged
 Posts: 2 vertical channels connected with lacing bars.
 Diagonals: Double rectilinear eye bars, die forged
 Counters: Double rectilinear tie rods, die forged

Truss Configuration

Main span type: Pratt Through/~~_____~~



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



National Register Nomination: Nokesville Truss, Prince William County



Prince William Public Library
Manassas, Va.

Photo Numbers:

07-76-11

TRUSS BRIDGE SURVEY AND INVENTORY FORM

A
B
C
D
E

12336-21: 14-21

Geographic Information

State: Virginia
Va. Dept. of Highways District: Culpeper ; No. 07
County: Prince William ; No. 76
~~City~~/Town: Nokesville
~~Highway~~/Road: State Route #646, Aden Road
~~Highway~~/Railroad (crossing): Southern R.R.
UTM/KGS Coordinates: _____

Historical Information

Formal designation: #2066 (Structure Tabulation No.)
Local designation: #6023 (District Structure No.)
Designer: Keystone Bridge Company, Pittsburgh, Pennsylvania
Builder: Keystone Bridge Company, Pittsburgh, Pennsylvania
Date: 1882 ; basis for: Bridge/date plate
Original owner: Southern Railroad ; use: Vehicular bridge
Present owner: Southern Railroad ; use: Vehicular bridge

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Typical example of its time and a common survivor: _____

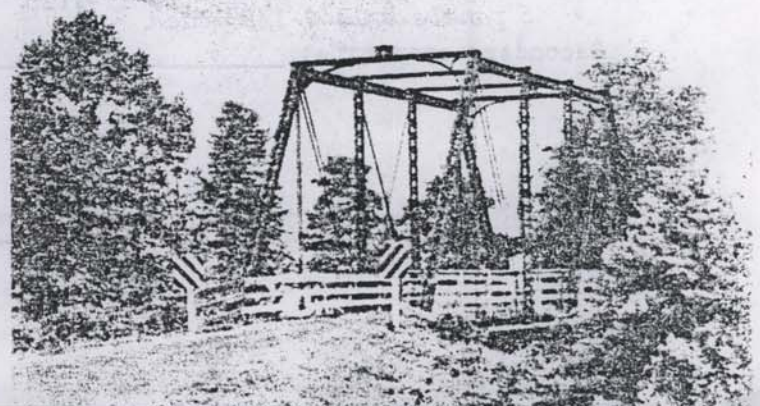
Other Remarks/Explanation: The date of this truss would place it in the age of wrought iron truss design.

Nature/Degree of any destructive threats: _____

Reference materials and contemporary photos/illustrations with their respective locations:

Culpeper District bridge files

Recorder: DAN DEIBLER
Date: 1 August 1974
Affiliation: Research Council,
Concrete Section



Design Information

Compass orientation of axis: NE/SW.

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- (4) _____; length: _____.
- (5) _____; length: _____.
- (6) _____; length: _____.

No. of lanes: 1; width: 16'2" c to c.

Structural Information

Substructure:

Material: Concrete & timber

Foundations: _____

Piers: _____

Abutments: Concrete

Wings: Concrete

Seats: Timber

Superstructure:

Material: Wrought iron sources _____

Characteristics, details and members:

Connections: X pin.
rigid.

Top Chords: 2 upright channels connected with lacing bars top and bottom.

End Posts: 2 upright channels connected with lacing bars top and bottom

Bottom chords: Double rectilinear eye bars, die forged

Posts: 2 vertical channels connected with lacing bars.

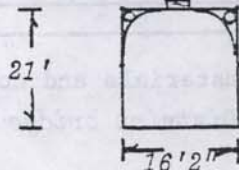
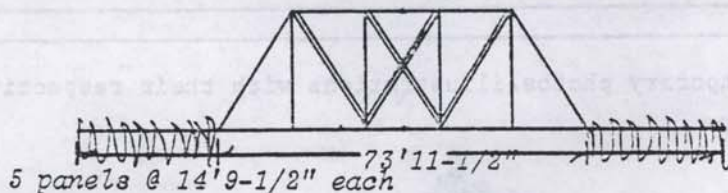
Diagonals: Double rectilinear eye bars, die forged

Counters: Double rectilinear tie rods, die forged

Truss Configuration

Main span type: Pratt

Through/~~_____~~



Secondary span type: _____

Through/Pony/Deck, Skel

