

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICENATIONAL REGISTER OF HISTORIC PLACES
INVENTORY -- NOMINATION FORM

FOR NPS USE ONLY

RECEIVED

DATE ENTERED 12-1-78

SEE INSTRUCTIONS IN HOW TO COMPLETE NATIONAL REGISTER FORMS
TYPE ALL ENTRIES -- COMPLETE APPLICABLE SECTIONS**1 NAME**

HISTORIC

DRESDEN SUSPENSION BRIDGE

AND/OR COMMON

2 LOCATION

STREET & NUMBER

State Routes 208 & 666

CITY, TOWN

Dresden,

NOT FOR PUBLICATION

CONGRESSIONAL DISTRICT

10-Clarence Miller

VICINITY OF

STATE

Ohio

CODE

039

COUNTY

Muskingum

CODE

119

3 CLASSIFICATION

CATEGORY

☐ DISTRICT☐ BUILDING(S)☒ STRUCTURE☐ SITE☐ OBJECT

OWNERSHIP

☒ PUBLIC☐ PRIVATE☐ BOTH

PUBLIC ACQUISITION

☐ IN PROCESS☐ BEING CONSIDERED

STATUS

☒ OCCUPIED☐ UNOCCUPIED☐ WORK IN PROGRESS

ACCESSIBLE

☐ YES: RESTRICTED☒ YES: UNRESTRICTED☐ NO

PRESENT USE

☐ AGRICULTURE☐ COMMERCIAL☐ EDUCATIONAL☐ ENTERTAINMENT☐ GOVERNMENT☐ INDUSTRIAL☐ MILITARY☐ MUSEUM☐ PARK☐ PRIVATE RESIDE☐ RELIGIOUS☐ SCIENTIFIC☒ TRANSPORTATION☐ OTHER:**4 OWNER OF PROPERTY**NAME State of Ohio, Department of Transportation
c/o Director, Real Estate Administration

STREET & NUMBER

25 South Front Street

CITY, TOWN

Columbus, OH 43215

VICINITY OF

STATE

5 LOCATION OF LEGAL DESCRIPTIONCOURTHOUSE,
REGISTRY OF DEEDS, ETC.

Muskingum County Court House

STREET & NUMBER

Fourth and Main Streets

CITY, TOWN

Zanesville, OH 43701

STATE

6 REPRESENTATION IN EXISTING SURVEYS

TITLE

Ohio Historic Inventory

DATE

November, 1976

☐ FEDERAL ☒ STATE ☐ COUNTY ☐ LOCALDEPOSITORY FOR
SURVEY RECORDS

Ohio Historical Center

CITY, TOWN

Columbus, OH 43211

STATE

58-3

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

The bridge over the Muskingum River at Dresden is a suspension bridge supporting Warren pony trusses. Its overall length is 705' comprised of three spans: the easternmost is 42' in length, the center, 443', and the westernmost, nearest to the village of Dresden, 188'. The bridge is anchored into concrete piers; it rests on two piers sunk into the channel of the river, which in turn support the two towers located at the juncture of the spans. The base of each tower is pinned into the piers, thus allowing the towers to rotate on these pins for expansion. Each of the towers is 68.5' in height and is comprised of two-channel steel posts connected with latticework, with all connections being riveted. The two upright posts of each tower are connected with channel steel set in cross pattern, again using riveted connections. The suspending cable is constructed of a series of eye bars, 6"x1 1/4", with pin connectors set at regular intervals. The deck and the Warren truss system are suspended with 1 1/4" square hanger bars with tension maintained through the use of turnbuckles. These hangers are connected to the top chord of the Warren truss system. The truss system itself is a pony Warren system with verticals comprised of channel and angle iron connected by riveted latticework. The trusses are 9.5' in height. The eastern span consists of three panels; the center of 11 panels; and the western on 12 panels. The original latticework guard railings are intact, with the width of the roadway being 20'. The roadway itself is of concrete reinforce with 7 ga. corrugated steel and covered with a bituminous covering. The superstructure is currently painted light green.

The Dresden Suspension Bridge spans the Muskingum River at the east boundary of the village of Dresden, at the east line of Jefferson Township. The eastern end of the bridge is in Madison Township. The structure is suspended c. 45' above the river bed. At the point of crossing the river has a gravel bed and is c. 400' in width.

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 type="checkbox"/> 1800-1899	<input type="checkbox"/> COMMERCE	<input type="checkbox"/> EXPLORATION/SETTLEMENT	<input type="checkbox"/> PHILOSOPHY	<input checked="" type="checkbox"/> TRANSPORTATION		
<input checked="" type="checkbox"/> 1900-	<input type="checkbox"/> COMMUNICATIONS	<input type="checkbox"/> INDUSTRY	<input type="checkbox"/> POLITICS/GOVERNMENT	<input type="checkbox"/> OTHER (SPECIFY)		
		<input type="checkbox"/> INVENTION				

SPECIFIC DATES 1914

BUILDER/ARCHITECT Bellefontaine Bridge & Steel Co.
J.A. Swingle Construction Co

STATEMENT OF SIGNIFICANCE

The Dresden Suspension Bridge is nominated for its significance as an engineering structure which has served the transportation needs of the upper Muskingum River area since its erection. It was built in 1914 on the site of an 1853 suspension bridge originally constructed under the supervision of one George Copeland. The earlier structure was the oldest suspension bridge west of the Alleghennies. In the spring of 1913 a devastating flood swept through the valley and completely wrecked the old bridge. Bids were let by the Muskingum County Commissioners; James Buchanan, John C. Dulan, and Alfred Kelley. Award contracts were executed with the J.A. Swingle Contracting Co., of Zanesville for the substructure, and with the Bellefontaine Bridge and Steel Co. of Bellefontaine, Ohio, for the superstructure. Swingle was noted in early twentieth century Zanesville City Directories as being "contractors for heavy masonry, etc.," although the company apparently was active for only 1910 to 1916. The Bellefontaine Bridge and Steel Co was the successor to the Buchanan Bridge Co., which was also located in the Logan County, Ohio, town of Bellefontaine. This bridge manufacturer was headed by S.A. Buchanan. They built bridges as far west as Oklahoma and Nebraska, and at their highpoint employed 100 men. Today the Dresden Suspension Bridge remains a significant part of the engineering heritage of the Muskingum Valley, and is clearly a source of historical pride for many in the Dresden area.

MAJOR BIBLIOGRAPHICAL REFERENCES

Bridge information sheet, Ohio Department of Transportation, District 5, Newark, Ohio, for Bridge #MUS-208-0044. July 21, 1930.
Dresden Transcript (Dresden, Ohio), April 4, 1913. 8593 microfilm
Kennedy, Robert P. Historical Review of Logan County, Ohio (Chicago: S.J. Clarke, 1903).

10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY less than one acre

QUADRANGLE NAME Dresden, Ohio

QUADRANGLE SCALE 1:24000

UTM REFERENCES

A 17 412760 4441400

ZONE EASTING NORTHING

C

E

G

B

D

F

H

VERBAL BOUNDARY DESCRIPTION

Located on the Muskingum River at the eastern boundary of the village of Dresden, on State Route 208. The nominated property includes the abutments, piers, and iron superstructure.

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

STATE	CODE	COUNTY	CODE
STATE	CODE	COUNTY	CODE

11 FORM PREPARED BY

NAME / TITLE

David L. Taylor, Regional Historic Preservation Officer

ORGANIZATION

Ohio University-Zanesville

STREET & NUMBER

1425 Newark Road

CITY OR TOWN

Zanesville, OH 43701

DATE

November, 1976

TELEPHONE

614-453-0762

STATE

12 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 1966 (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.

STATE HISTORIC PRESERVATION OFFICER SIGNATURE



6/12/78

TITLE

DATE

FOR NPS USE ONLY

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

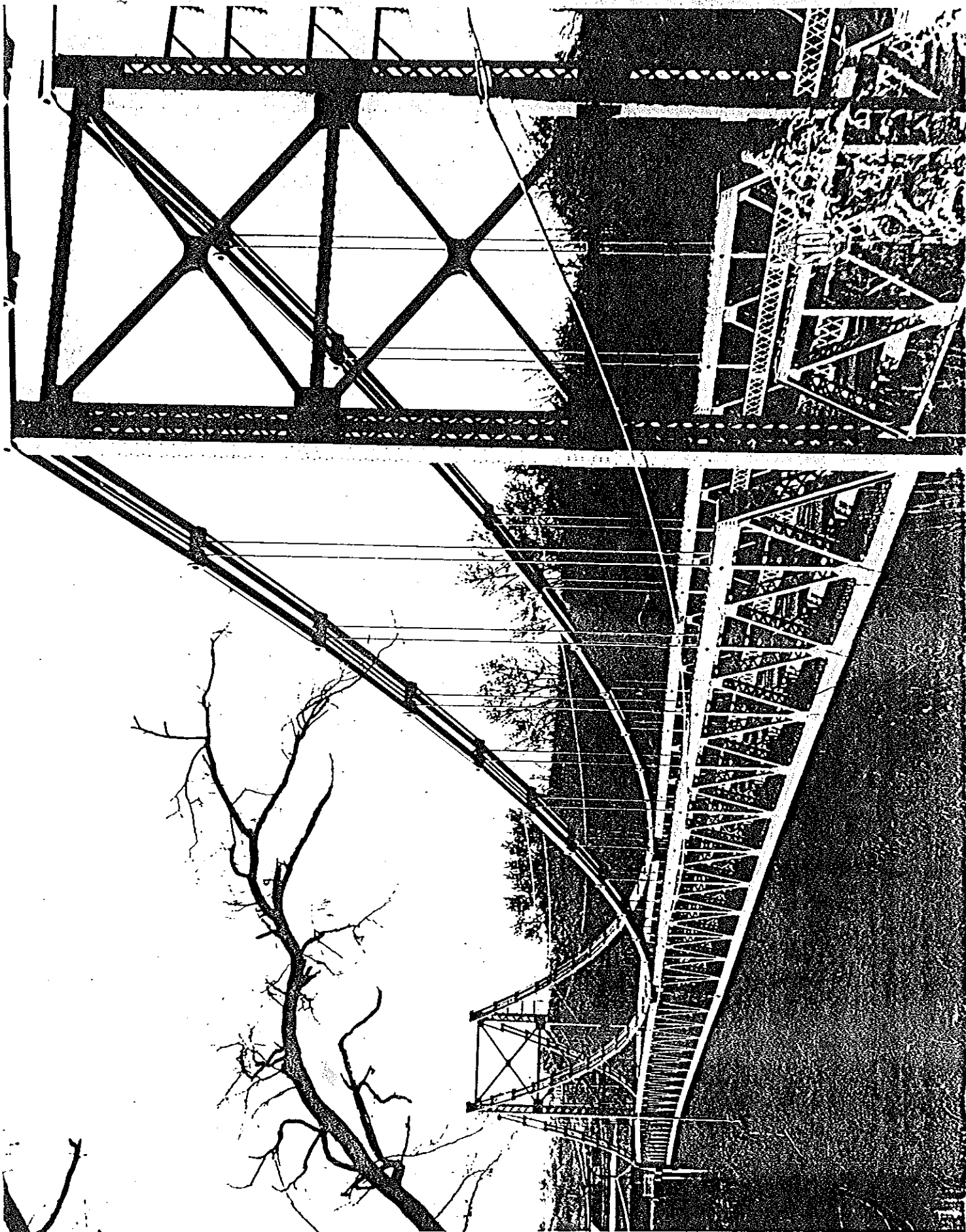
DATE

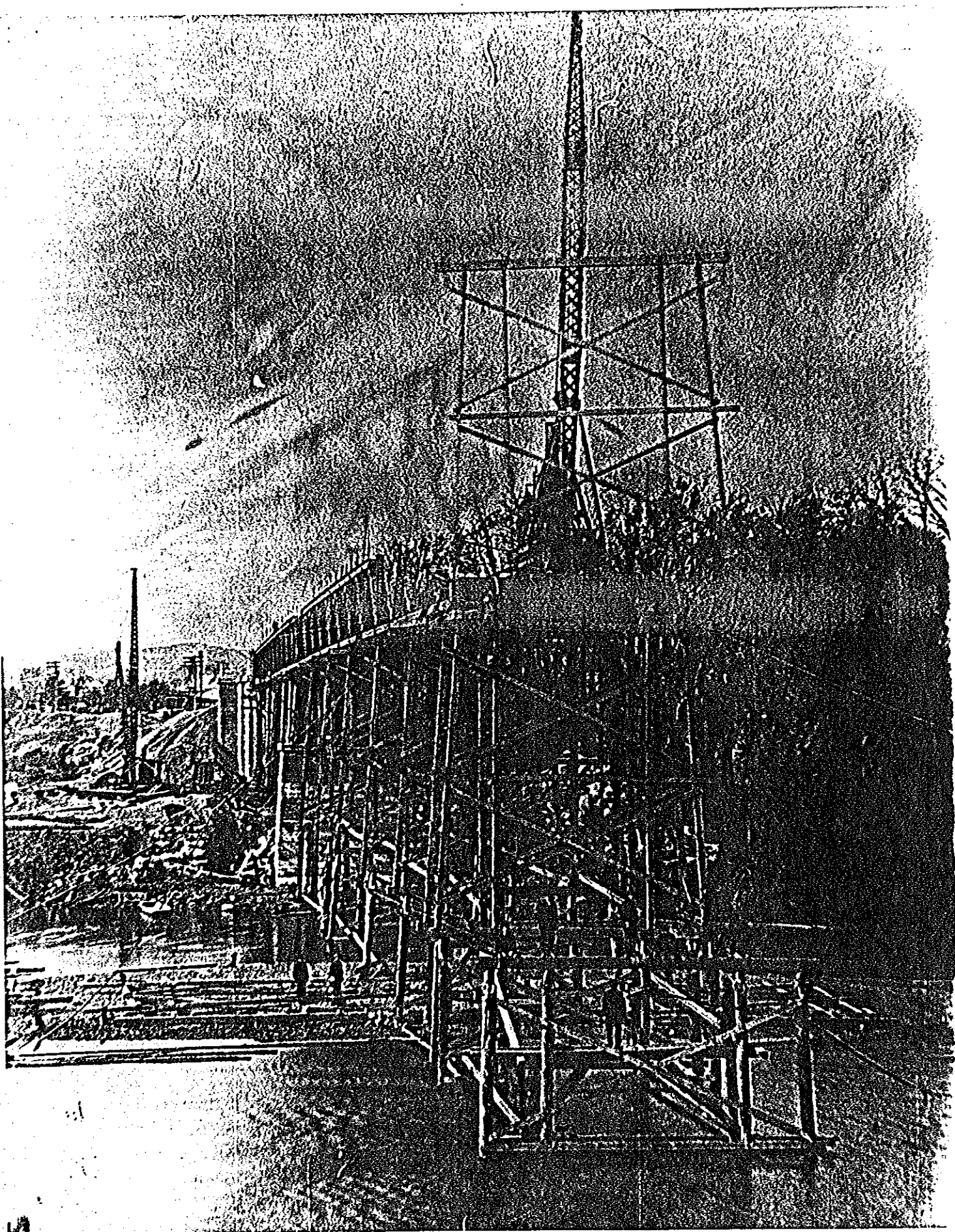
KEEPER OF THE NATIONAL REGISTER

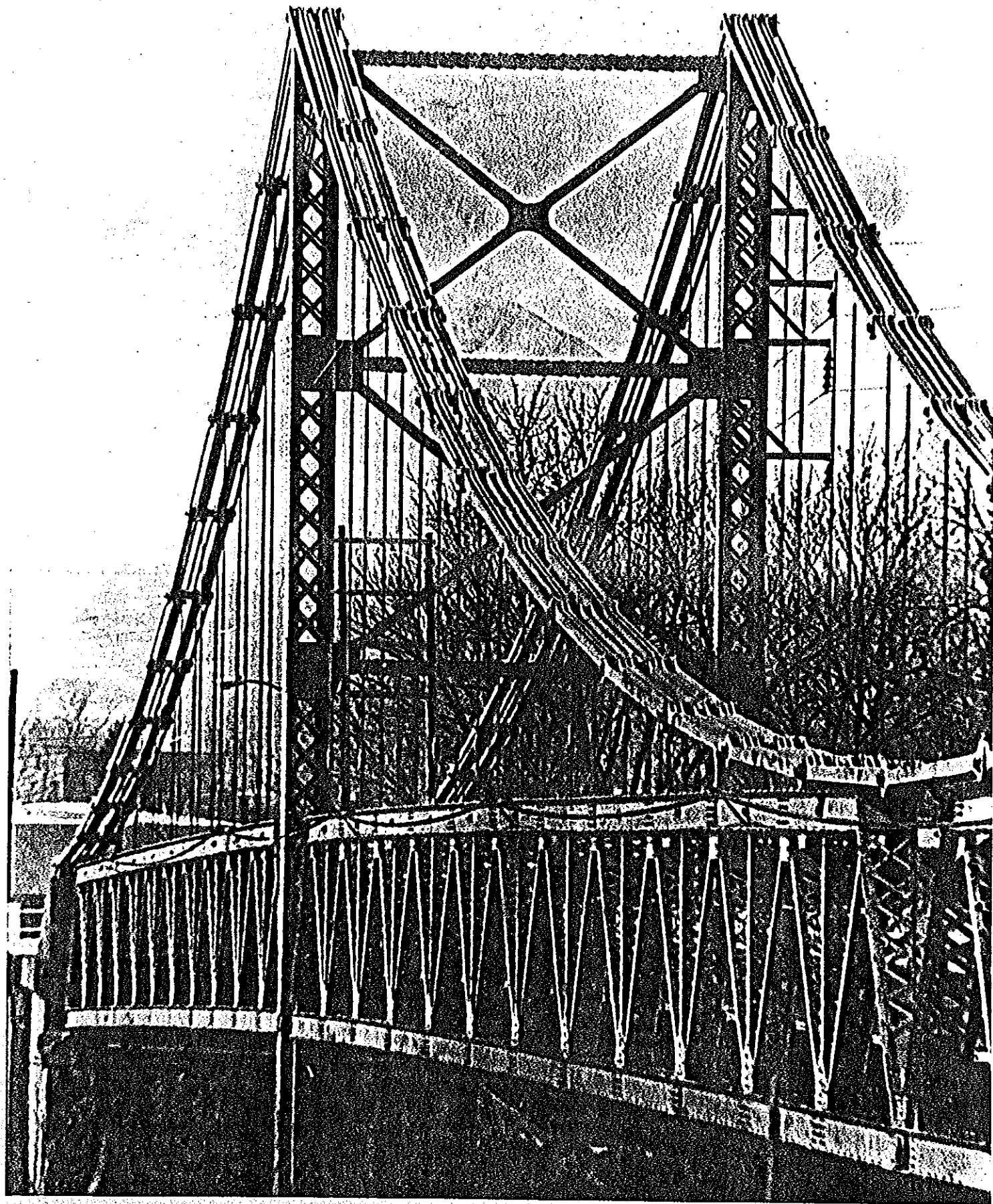
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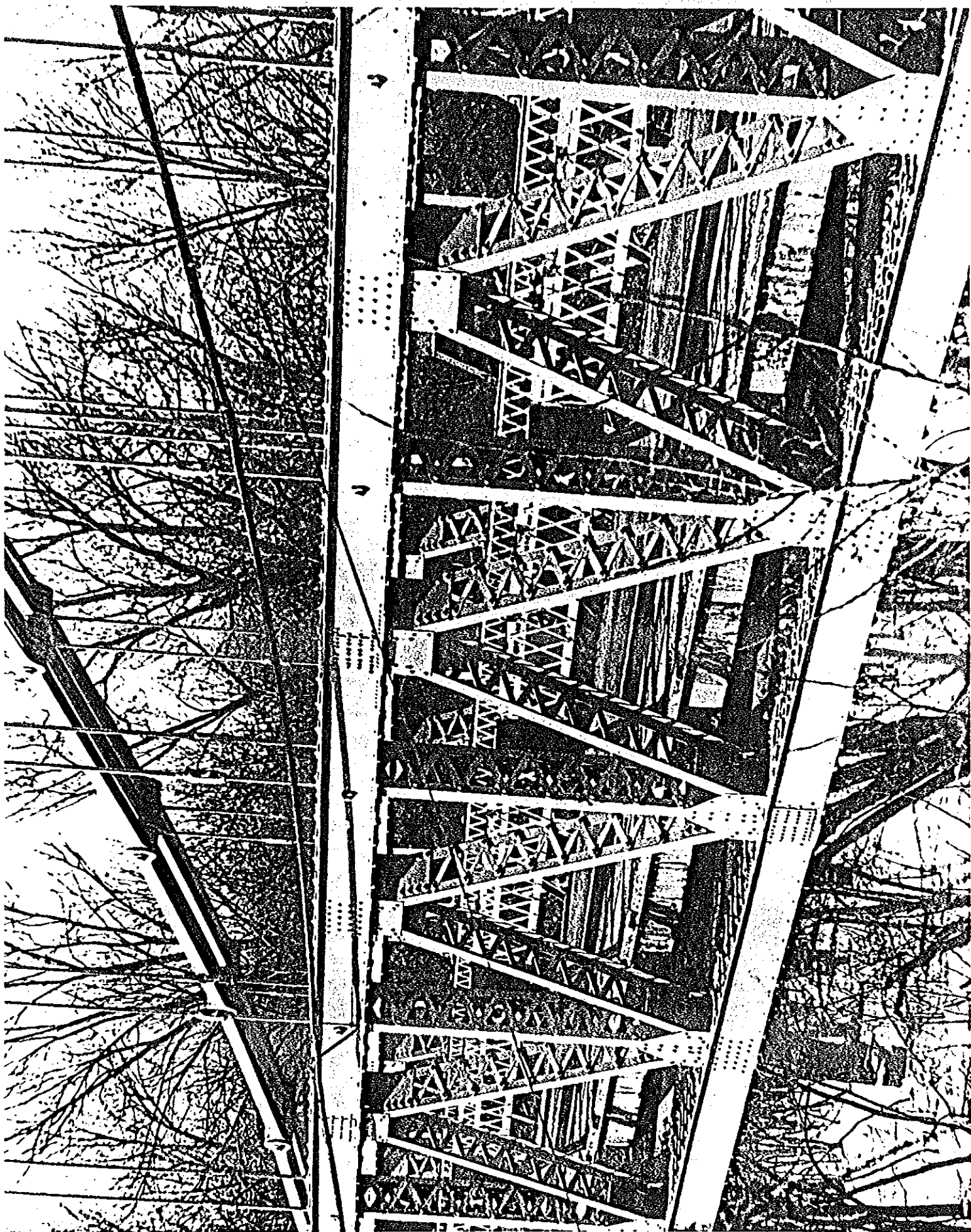
DATE

CHIEF OF REGISTRATION









ALFRED W. BENTLEY

COGNATE COMMISSIONERS
JAMES EUGENE SMITH FOR COUNCIL

ALFRED W. BENTLEY
CLAYTON D. MORRIS
CONSTITUTIONAL

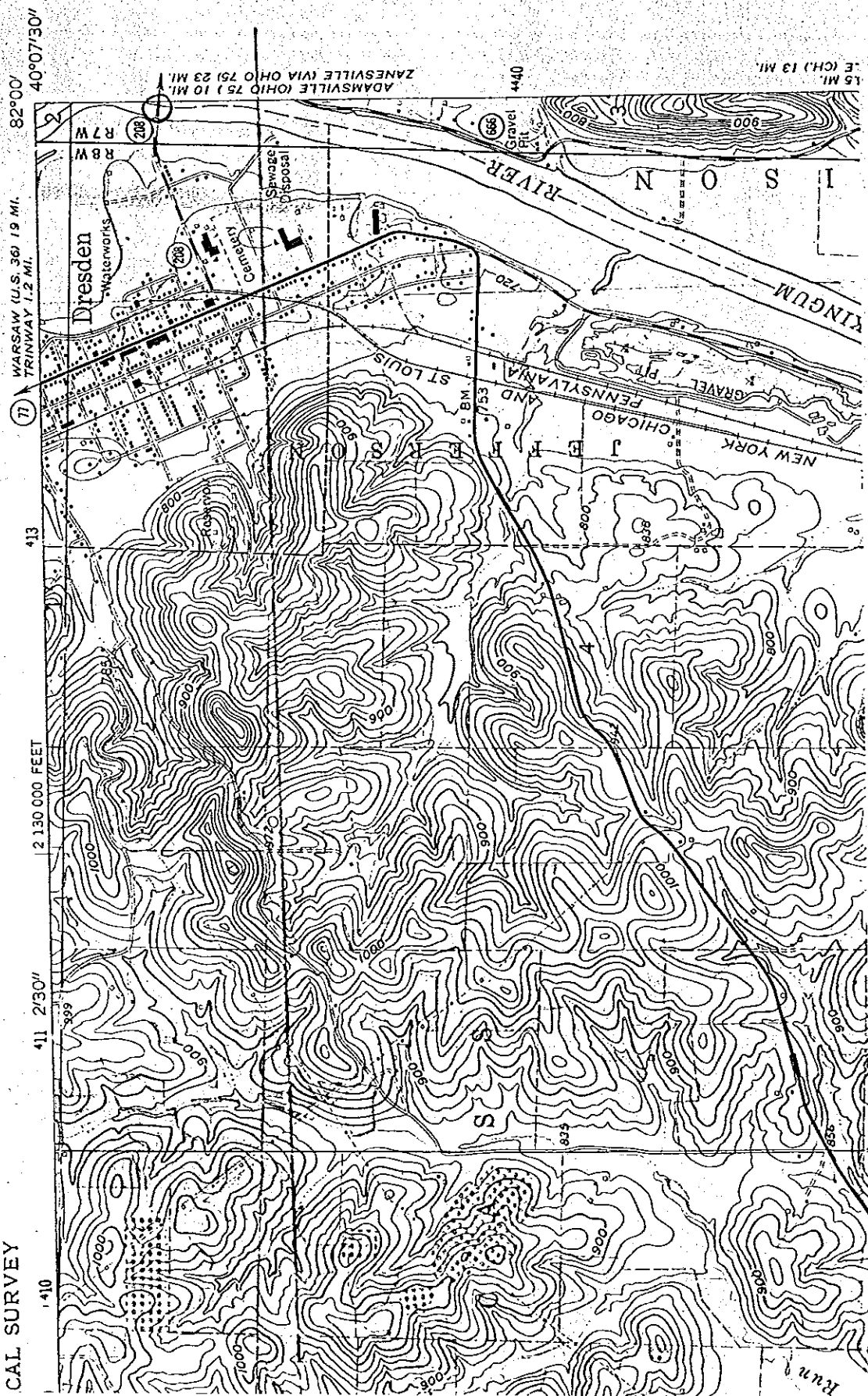
SUPREMACY
THE BENTLEY
FELIX W. BENTLEY
CHIEF OF POLICE

SUBSTITUTION
THE W. BENTLEY
ZELAND
ZELAND

466.11 NM
(CONVENT)

DRESDEN QUADRANGLE
OHIO—MUSKINGUM CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OHIO
HIGHWAYS
RAIL RESOURCES
CAL SURVEY



DRESDEN SUSPENSION BRIDGE
Dresden, Ohio
UTM Reference:
17/412760/4422200