Maryland Historical Trust

Maryland Inventory of Historic Properties number: HA-1885

Name: Dry Branch Rd. over Deer Creek

The bridge referenced herein was inventoried by the Maryland State Highway Administration as part of the Historic Bridge Inventory, and SHA provided the Trust with eligibility determinations in February 2001. The Trust accepted the Historic Bridge Inventory on April 3, 2001. The bridge received the following determination of eligibility.

MARYLAND HISTORICAL TRUST

Eligibility Recommended _____ Eligibility Not Recommended __X____

Criteria: ____A ____B ____C ____D Considerations: ___A ___B ___C ___D ___E ___F ___G __None

Comments:_____

Reviewer, OPS: Anne E. Bruder_____ Date: 3 April 2001

Reviewer, NR Program: Peter E. Kurtze_____ Date: 3 April 2001

Maryland Inventory of Historic Properties
Historic Bridge Inventory
Maryland State Highway Administration
Maryland Historical Trust

MHT Number HA-1885

Name and SHA No. H 117 over Deer Creek

Location:
Street/Road Name and Number: Dry Branch Road over Deer Creek

City/Town: Shawsville Vicinity X

County: Harford

Ownership: __State_X_County__Municipal__Other

This bridge projects over: __Road__Railway_X_Water__Land

Is the bridge located within a designated district:__yes_X_no

__NR listed district__NR determined eligible district
__locally designated__other
Name of District_____

Bridge Type:

__Timber Bridge
__Beam Bridge__Truss-Covered__Trestle
__Timber-and-Concrete

__Stone Arch

__Metal Truss

__Movable Bridge
__Swing __Bascule Single Leaf__Bascule Multiple Leaf
__Vertical Lift__Retractile__Pontoon

_X_Metal Girder
_X_Rolled Girder __Rolled Girder Concrete Encased
__Plate Girder __Plate Girder Concrete Encased

__Metal Suspension

__Metal Arch

__Metal Cantilever

__Concrete
__Concrete Arch __Concrete Slab__Concrete Beam
__Rigid Frame
__Other Type Name_____

Description:

Describe Setting:

Bridge H 117 carries Dry Branch Road east-west over Deer Creek in Harford County, Maryland. The approaches to the bridge are level and on a horizontal curve. There is a private entrance on the south side of the roadway 20' from the west abutment. There are no traffic barriers on the approaches. Steam flow is directed thru the west half of the bridge opening and along the west abutment.

Describe Superstructure and Substructure:

Bridge H 117, built in 1940, is a single span steel beam bridge 25' long, composed of 7 steel stingers. This structure has a timber deck 15.9' wide with clear roadway width of 15.3'. The timber deck is attached to timber nailing boards adjacent to stingers 1, 3, 5, and 7, and was replaced between 1991 and 1993. The substructure consists of concrete stub abutments. The railing is a W-beam traffic barrier which terminates with blunt ends.

This structure is in poor condition. The downstream exterior stringer and all interior stringers have severe corrosion with 3/16" measured loss of top and bottom flange thickness at midspan and at the supports. The steel bearing plates are severely corroded. Both the east and west abutment sound hollow when struck with a hammer. The upstream and downstream wingwalls of the east abutment are broken away from the abutment and have an outward displacement of 3/4"± and 6", respectively.

Discuss Major Alterations:

There have been no known alterations.

History:
When Built: 1940
Why Built: Local transportation needs.
Who Built: Unknown
Why Altered: Not Applicable
Was this bridge built as part of an organized bridge building campaign: Unknown

Surveyor Analysis:
This bridge may have NR significance for association with:
__A Events __Person

HA-1885

__C Engineering/Architectural

Was this bridge constructed in response to significant events in Maryland or local history:

This bridge was not constructed in response to significant Maryland or local events.

When the bridge was built and/or given a major alteration, did it have a significant impact on the growth and development of the area?

No known alterations have been made to this bridge. It is unlikely whether its construction is likely to have had an impact upon growth and development of an area.

Is the bridge located in an area which may be eligible for historic designation and would the bridge add to or detract from historic and visual character of the possible district?

No, this bridge is not located in an area which may be eligible for historic designation.

Is the bridge a significant example of its type?

No, this bridge is not a significant example of its type.

Does the bridge retain integrity of the important elements described in the Context Addendum?

This bridge does not retain its integrity as defined by the Context Addendum, as every primary character defining element is in poor condition.

Should this bridge be given further study before significance analysis is made and Why?

Further study of the bridge is unnecessary. An internal Determination of Eligibility form indicates that this bridge is not eligible for inclusion on the National Register of Historic Places.

Bibliography:

Greiner, Inc.
1995 Maryland Inventory of Historic Bridges.

Harford County
v.d. Harford County Bridge Inspection Files.

Martinet
1878 Map of Harford County.

Maryland Historical Trust
v.d. Internal Determination of National Register Eligibility Form.

Spero, P.A.C. & Company, and Louis Berger & Associates
1994 Historic Bridge Context: Historic Bridges in Maryland.

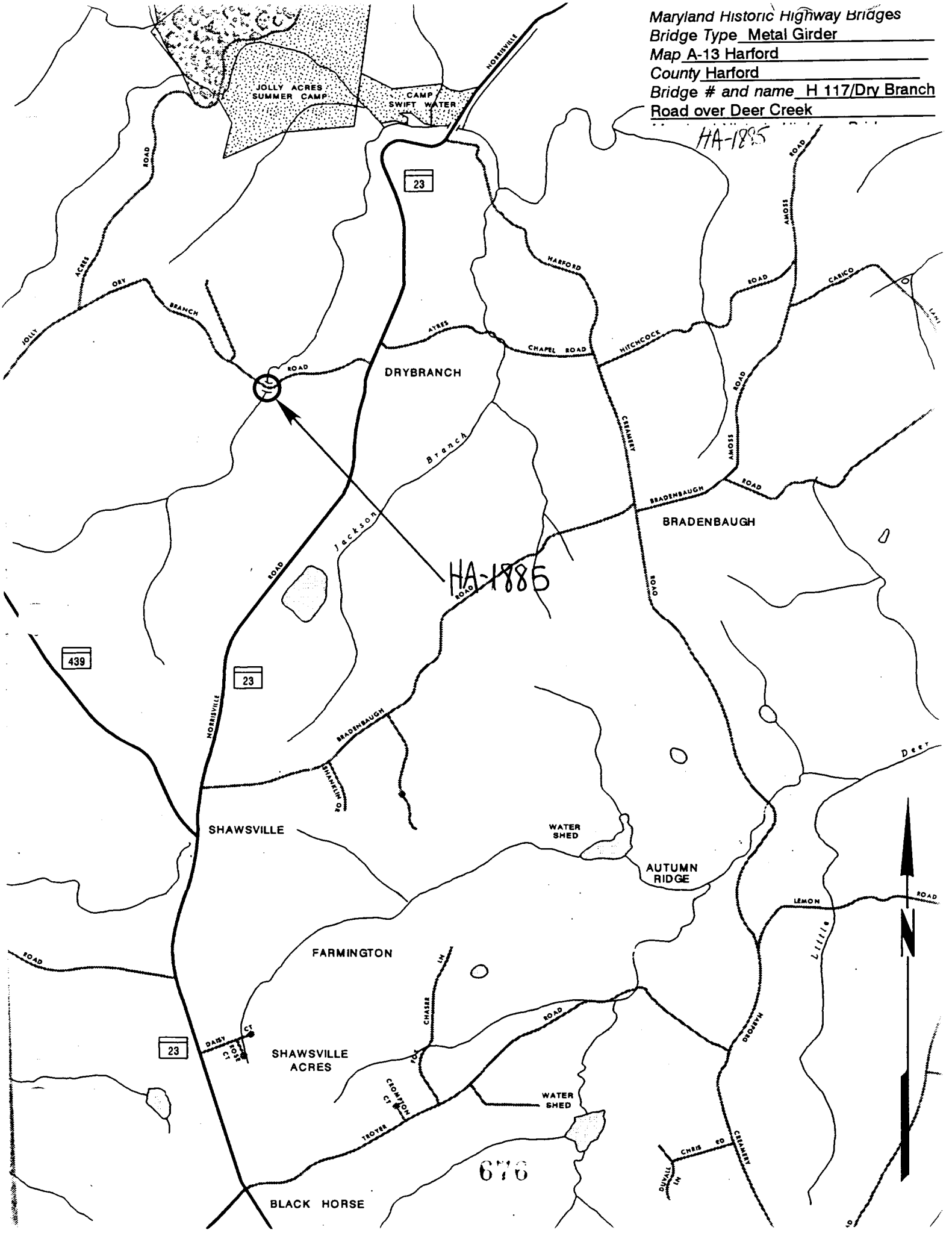
HA-1885

United States Geological Survey
1952 7.5' Norrisville Quadrangle, 1974.
United States Geological Survey
1902 15' Parkton Quadrangle.
Wright, C. Milton.
1967 Our Harford Heritage: A History of Harford County, Maryland.

Surveyor:
Name: Jason D. Moser **Date:** September 1995
Organization: State Highway Admin. **Telephone:** (410) 321-2213
Address: 2323 West Joppa Road Brooklandville, MD 21022

Maryland Historic Highway Bridges
Bridge Type Metal Girder
Map A-13 Harford
County Harford
Bridge # and name H 117/Dry Branch
Road over Deer Creek

HA-1885



HA-1885
HARFORD COUNTY, MD
JOHN TARQUINIO
25 JAN 1995
~~MARYLAND SHPO~~ SHA

- STATE BRIDGE NO. H117 OVER DEER CREEK
- VIEW LOOKING NORTH ON DRY BRANCH RD

1/4

HA-1885

HARFORD COUNTY, MD

JOHN TARQUINIO

25 JAN 1995

~~MARYLAND SHPO~~ SHA

- STATE BRIDGE NO. H117 OVER DEER CREEK

- VIEW LOOKING SOUTH ON DRY BRANCH ROAD

2/4

HA-1885
HARFORD COUNTY, MD
JOHN TARQUINIO
25 JAN 1995
~~MARYLAND SHPO~~ SHA

- STATE BRIDGE NO. H117 OVER DEER CREEK
- VIEW LOOKING WEST

3/4

HA-1885

HARFORD COUNTY, MD

JOHN TARQUINIO

25 JAN 1995

~~MARYLAND, SHPO~~ SHA

- STATE BRIDGE NO. H117 OVER DEER CREEK

- VIEW LOOKING EAST

4/4

930143

INDIVIDUAL PROPERTY/DISTRICT
MARYLAND HISTORICAL TRUST
INTERNAL NR-ELIGIBILITY REVIEW FORM

Property/District Name: Bridge #117, Harford County Survey Number: HA-1885

Project: Repl. Br. #117, Dry Branch Rd over trib Deer Cr. Agency: COE/Harford Co

Site visit by MHT Staff: X no ___ yes Name _____ Date _____

Eligibility recommended ____ Eligibility not recommended X

Criteria: ___A ___B X C ___D Considerations: ___A ___B ___C ___D ___E ___F ___G ___None

Justification for decision: (Use continuation sheet if necessary and attach map)

Based on available information, Bridge #117 does not appear to be individually eligible or to be located in any known historic district. The single span steel beam bridge was constructed in 1940. It is an extremely common bridge type. Hundreds of similar bridges remain throughout the state. The bridge does not have any engineering significance and is not known to be associated with any historic events.

Documentation on the property/district is presented in: Project file

Prepared by: _____

Elizabeth Hannold — Reviewer, Office of Preservation Services

July 28, 1993 — Date

NR program concurrence: X yes ___ no ___ not applicable

R Kendrew — Reviewer, NR program

7-28-93 — Date

Survey No. HA-125

MARYLAND COMPREHENSIVE HISTORIC PRESERVATION PLAN DATA - HISTORIC CONTEXT

I. Geographic Region:

____	Eastern Shore	(all Eastern Shore counties, and Cecil)
____	Western Shore	(Anne Arundel, Calvert, Charles, Prince George's and St. Mary's)
X	Piedmont	(Baltimore City, Baltimore, Carroll, Frederick, Harford, Howard, Montgomery)
____	Western Maryland	(Allegany, Garrett and Washington)

II. Chronological/Developmental Periods:

____	Paleo-Indian	10000-7500 B.C.
____	Early Archaic	7500-6000 B.C.
____	Middle Archaic	6000-4000 B.C.
____	Late Archaic	4000-2000 B.C.
____	Early Woodland	2000-500 B.C.
____	Middle Woodland	500 B.C. - A.D. 900
____	Late Woodland/Archaic	A.D. 900-1600
____	Contact and Settlement	A.D. 1570-1750
____	Rural Agrarian Intensification	A.D. 1680-1815
____	Agricultural-Industrial Transition	A.D. 1815-1870
____	Industrial/Urban Dominance	A.D. 1870-1930
X	Modern Period	A.D. 1930-Present
____	Unknown Period (___ prehistoric	___ historic)

III. Prehistoric Period Themes:

____	Subsistence
____	Settlement
____	Political
____	Demographic
____	Religion
____	Technology
____	Environmental Adaption

IV. Historic Period Themes:

____	Agriculture
X	Architecture, Landscape Architecture, and Community Planning
____	Economic (Commercial and Industrial)
____	Government/Law
____	Military
____	Religion
____	Social/Educational/Cultural
____	Transportation

V. Resource Type:

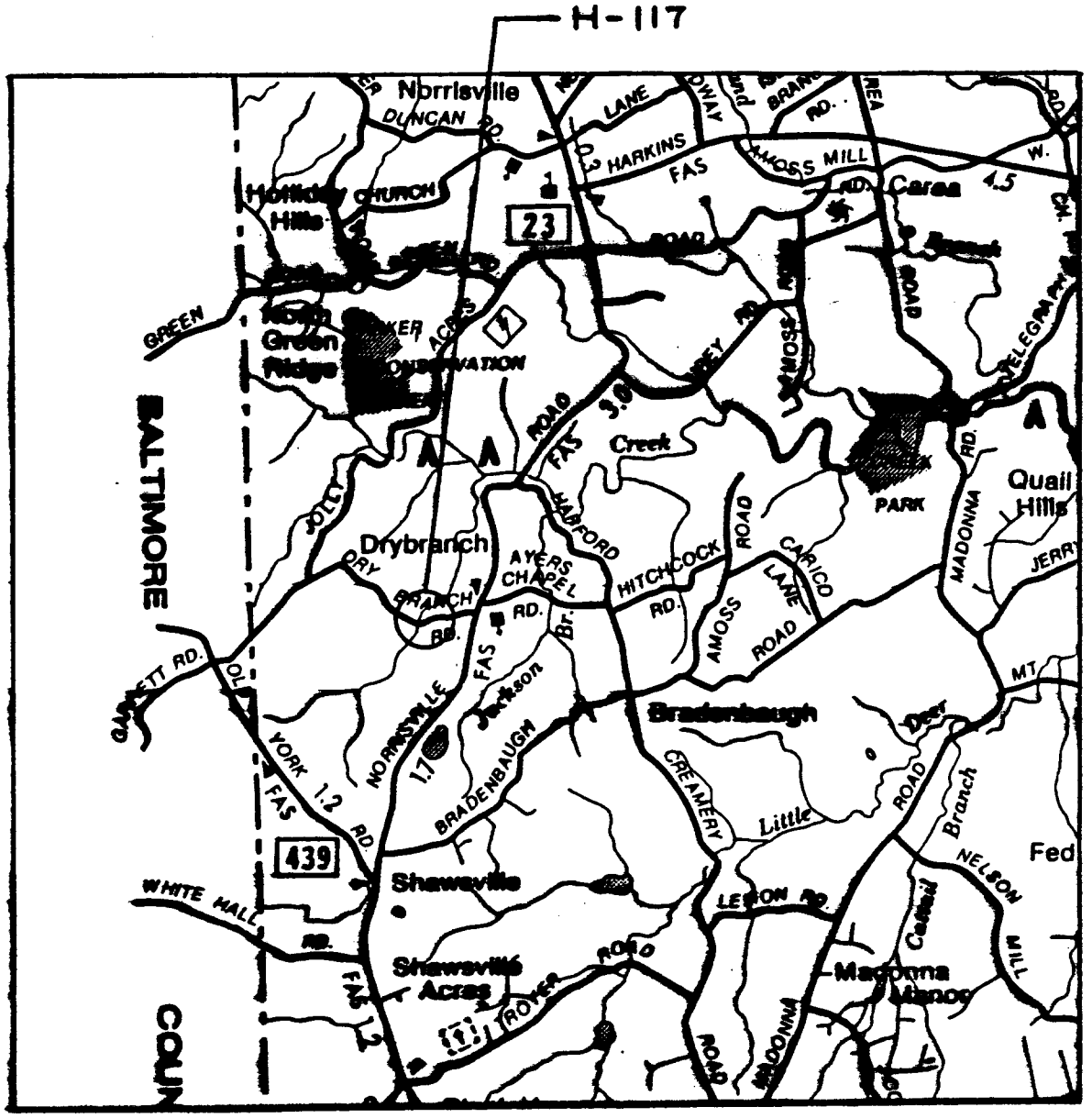
Category: Structure

Historic Environment: Rural

Historic Function(s) and Use(s): Transportation

Known Design Source: _____

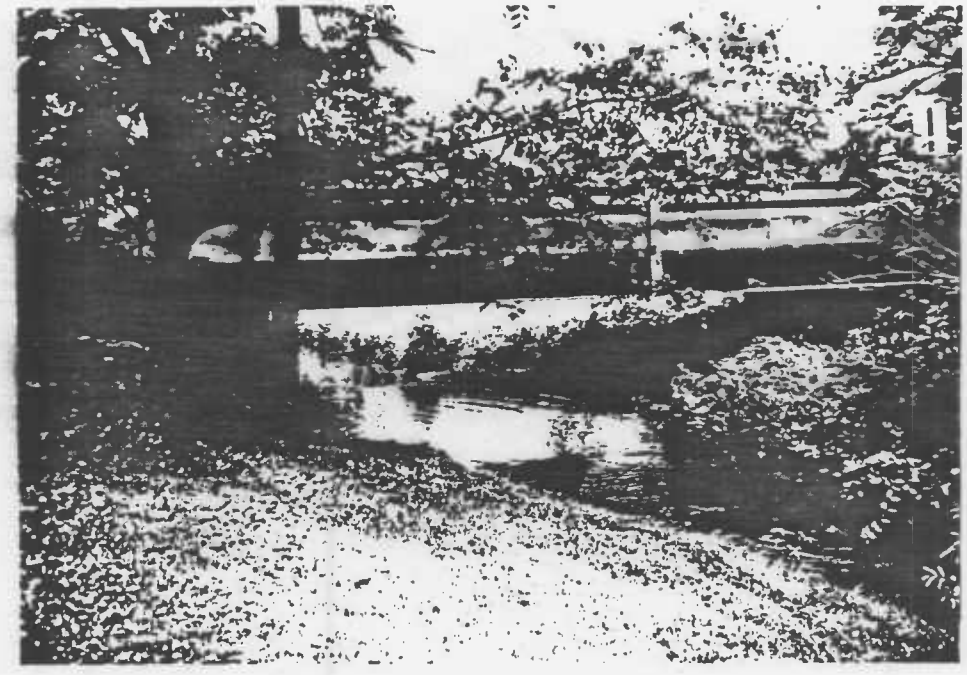
NA-1255



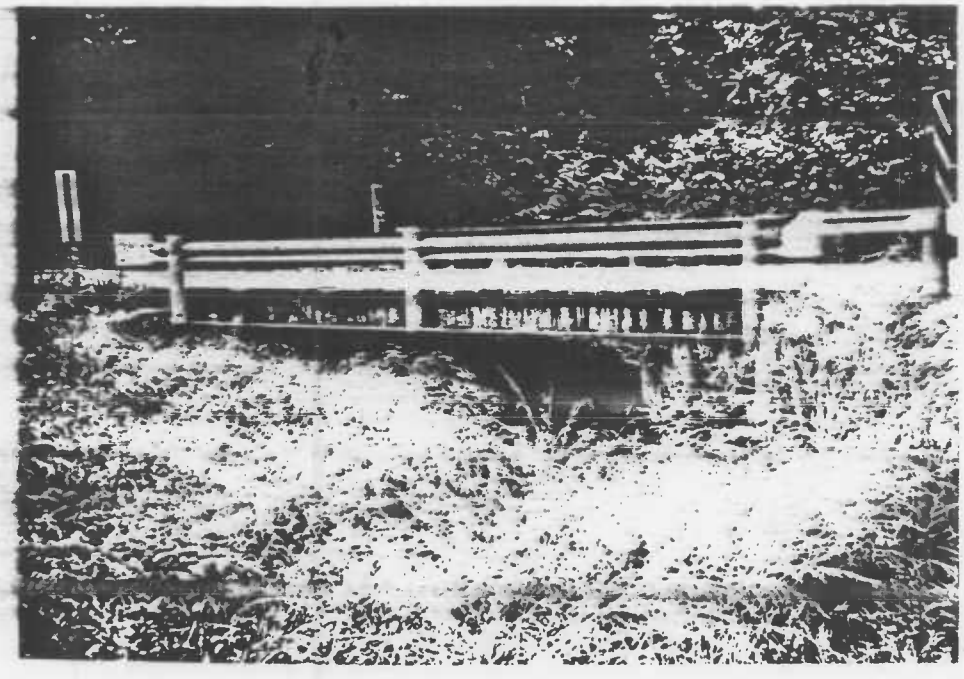
LOCATION MAP

SCALE: 1" = 1 MILE

HA-1885



PHOTOGRAPH NO. 5
UPSTREAM (SOUTH) ELEVATION



PHOTOGRAPH NO. 6
DOWNSTREAM (NORTH) ELEVATION