

Maryland Historical Trust

Maryland Inventory of Historic Properties number: ~~VI: 23-130~~ M: 23-129

Name: Brighton Dam Rd over Howlings River

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 <u>X</u> |
| Criteria: <u> </u> A <u> </u> B <u> </u> C <u> </u> D | Considerations: <u> </u> A <u> </u> B <u> </u> C <u> </u> D <u> </u> E <u> </u> F <u> </u> G <u> </u> None |
| Comments: _____ _____ | |
| Reviewer, OPS: <u>Anne E. Bruder</u> | Date: <u>3 April 2001</u> |
| Reviewer, NR Program: <u>Peter E. Kurtze</u> | Date: <u>3 April 2001</u> |

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

M: 23-129
MHT Number ~~M:23-130~~

Name and SHA No. M 108 over Hawlings River

Location:

Street/Road Name and Number: Brighton Dam Road over Hawlings River

City/Town: Brookeville Vicinity X

County: Montgomery

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 Retractable 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 No. M 108 carries traffic east-west over the Hawlings River, in Montgomery County, Maryland. The east approach to the bridge is on a slight downgrade and is slightly curved approximately 150' from the bridge. The west approach is level and slightly curved. The approach roadway to the bridge is asphalt. There is a driveway within 20' of the bridge on both the east and west approach. The area is lightly wooded and residential.

Describe Superstructure and Substructure:

Bridge No. M 108 is a single span bridge built in 1910 and reconstructed in 1975. The structure is 30' long, consists of a corrugated metal deck with an asphalt wearing surface. The main superstructure supports are 9 steel stringers, supported by two concrete abutments. The bridge has a clear roadway width of 24'-1".

The superstructure is fair condition with light scaling rust on the steel stringers with heavy to severe rust on the bearing plates. The substructure is in fair condition, with a crack in the north end of the east abutment.

Discuss Major Alterations:

This bridge was heavily modified in 1975. The original bridge built across Hawlings River was built around 1910. It was a simple span steel beam bridge with three interior supporting I-beams and two exterior steel channels. The beams were supported on two stone abutments. The length of the bridge from abutment to abutment was 29'-8", and the width was 14' from railing to railing. This bridge was modified to such an extent that it no longer retains any integrity.

History:

When Built: 1910 (Reconstructed in 1975)

Why Built: Local transportation needs

Who Built: Unknown

Why Altered: Structural and safety reasons

Was this bridge built as part of an organized bridge building campaign: yes

Surveyor Analysis:

This bridge may have NR significance for association with:

A Events Person
 C Engineering/Architectural

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

It is unknown whether this bridge was constructed in response to significant events in Maryland or local history.

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?

It is unknown whether the construction and/or alteration of this bridge has had significant impact on the growth and development of the 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 does not appear to be located in an area which may be eligible for historic designation.

Is the bridge a significant example of its type?

This bridge is not a significant example of its type.

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

No, this bridge does not appear to retain the integrity of its primary character defining elements as defined within the Context Addendum. The stone abutments were replaced with concrete abutments, and the bridge deck was widened.

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

Further research of this bridge is unnecessary. This bridge does not retain its integrity as defined by the Context Addendum, and is not eligible for inclusion on the National Register of Historic Places.

Bibliography:

Greiner, Inc.
 1995 Maryland Inventory of Historic Bridges.
Montgomery County
 v.d. County Bridge Inspection Files.
Spero, P.A.C. & Company, and Louis Berger & Associates
 1994 Historic Bridges in Maryland: Historic Bridge Context.

M:23-129

United States Geological Survey
1945 7.5' Sandy Spring Quadrangle, photorevised 1979.

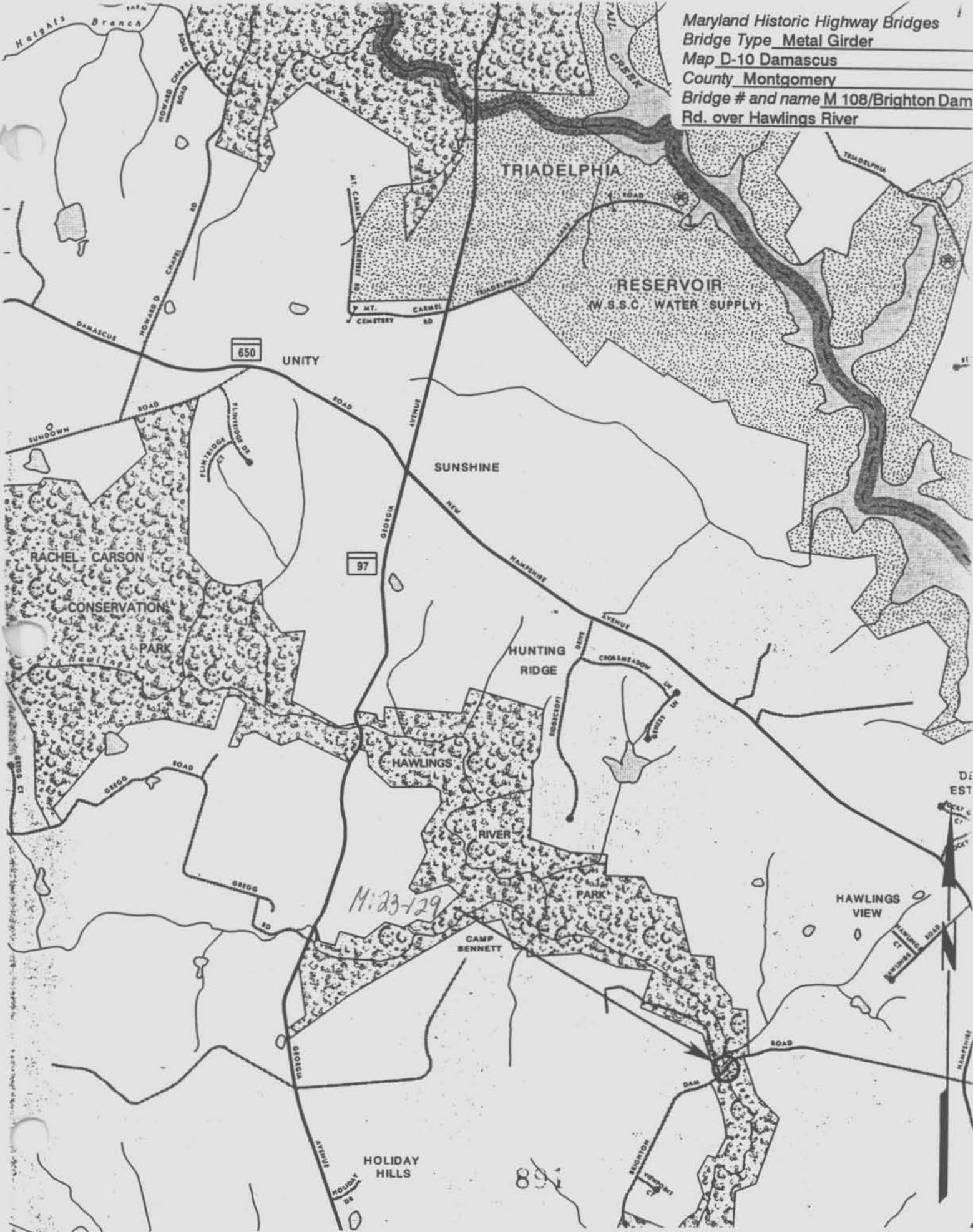
Surveyor:

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 D-10 Damascus
County Montgomery
Bridge # and name M 108/Brighton Dam
Rd. over Howlings River





Inventory # M:23-129

Name MID8 - BRIGHTON DAM RD OVER HAWKINS RIVER

County/State MONTGOMERY / MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description APPROACH EAST

Number ¹~~25~~ of ⁴~~33~~



Inventory # M123-129

Name MICK - BRIGHTON DAM RD OVER HAWLINGS RIVER

County/State MONTGOMERY / MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description ELEVATION NORTH

Number ²26 of ⁴33



Inventory # M:23-129

Name M108 - BRIGHTON DAM RD over HAWKINS RIVER

County/State MONTGOMERY / MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description ELEVATION SOUTH

Number 3 of 4



Inventory # M:23-129

Name M108-BRIGHTON DAM RD OVER HAWKINS RIVER

County/State MONTGOMERY / MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description APPROACH WEST

Number 4 of 9