

Maryland Historical Trust

Maryland Inventory of Historic Properties number: 11A-15-50

Name: Frederick County Courthouse

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

MHT Number M:16-30

Name and SHA No. M 40 over Broad Run

**Location:**

Street/Road Name and Number: River Road over Broad Run

City/Town: Rockville Vicinity   

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: X yes    no

   NR listed district    NR determined eligible district

   locally designated    other

Name of District Chesapeake and Ohio Canal Historic Park

**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 40 carries River Road east-west over Broad Run in Montgomery County, Maryland. The west approach is straight and level, and the east approach is straight but ascends towards the bridge. The approaches appear to be composed of a gravel or macadam wearing surface. The area around the bridge is rural and heavily wooded.

**Describe Superstructure and Substructure:**

Bridge No. M 40, built in 1911, is a single span 29' long structure with a concrete deck on steel stringers. The deck is a reinforced concrete slab with a macadam wearing surface, and a width of 13'. The superstructure consists of five stringers, two exterior channels and three interior I-beams. The substructure consists of 2 concrete abutments appear to be in fair condition.

A plain concrete apron has been poured in front of Abutment No. 1 in the stream channel to prevent further deterioration of the abutment. Grouted stone rip-rope slope protection around the abutments appears in good condition.

**Discuss Major Alterations:**

This bridge was rehabilitated in 1976. Further rehabilitation occurred in 1992. During the 1992 rehabilitation, the concrete deck was replaced with a galvanized corrugated steel deck, filled with a bituminous wearing surface. The abutments were cleaned and coated with an epoxy sealant. The 1995 Bridge Inspection Report indicates that three of the steel stringers are steel I-Beams, while the other two are wide flange steel beams.

**History:**

**When Built:** 1911 (rehabilitated 1976 and 1992)

**Why Built:** Local transportation needs

**Who Built:** Unknown

**Why Altered:** Structural and safety needs

**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?**

This bridge is already located in an area which is eligible for historic designation. This bridge does not add to the historic and visual character of the district.

**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 have retained the integrity of its primary character defining elements as defined within the Context Addendum. This bridge underwent an undocumented rehabilitation in 1976. In 1992 the bridge underwent another rehabilitation. During the 1992 rehabilitation, the concrete deck was replaced with a galvanized corrugated steel deck, filled with a bituminous wearing surface. The abutments were cleaned and coated with an epoxy sealant. The 1995 Bridge Inspection Report indicates that three of the steel stringers are steel I-Beams, while the other two are wide flange steel beams. This indicates that the exterior fascia channels were replaced with I-Beams. The reconstruction may have utilized some of the I-beams from the old bridge, which were then replaced with two new wide flange steel beams.

**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.

United States Geological Survey

1968 7.5' Sterling Quadrangle, photorevised 1984.

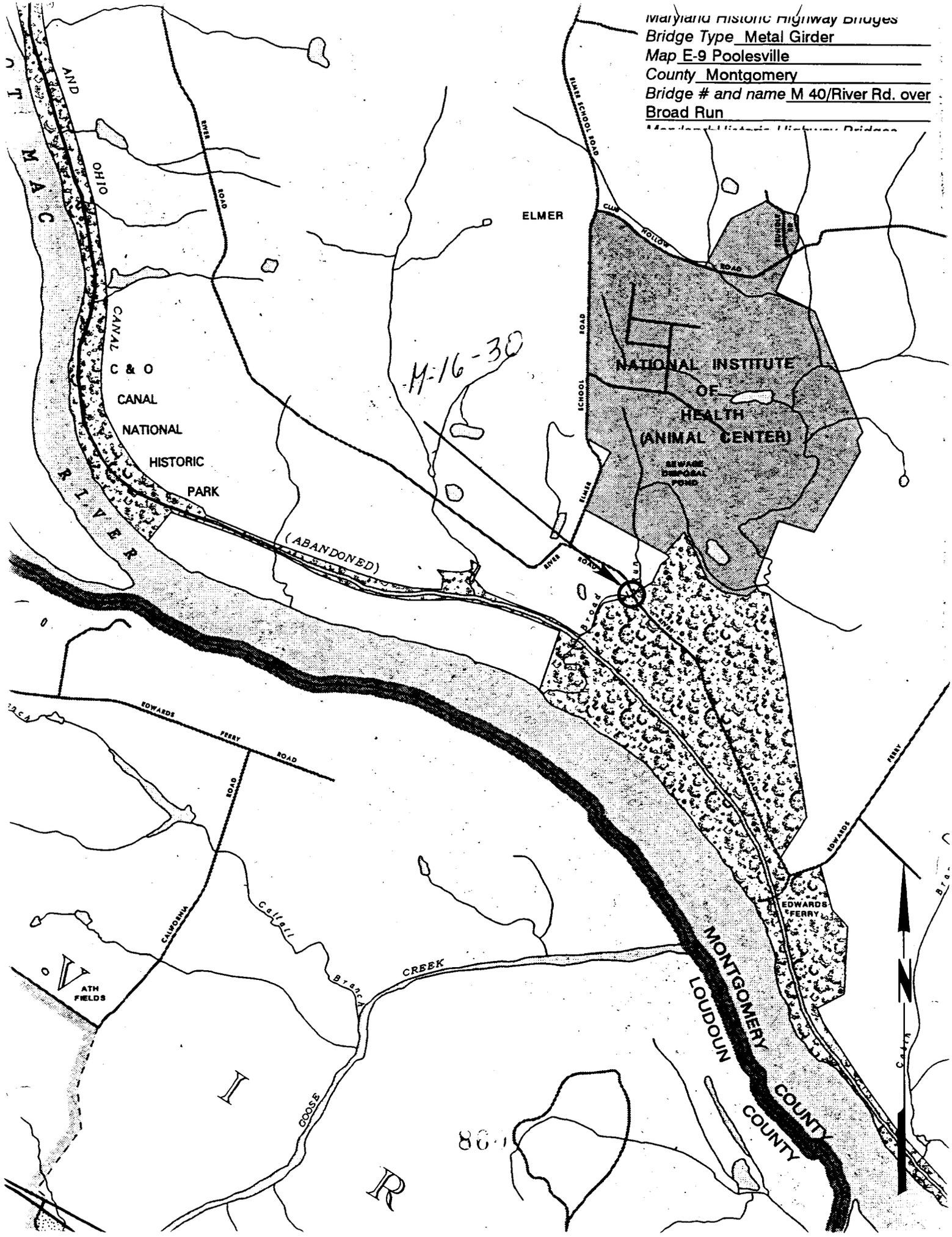
**Surveyor:**

**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 E-9 Poolesville  
 County Montgomery  
 Bridge # and name M 40/River Rd. over Broad Run  
 Maryland Historic Highway Bridges





Inventory # M: 16-30

Name M40-RIVER RD OVER BROAD RUN

County/State MONTGOMERY / MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description ELEVATION SOUTH

Number 1 of 4



WEIGHT  
LIMIT  
10  
TONS

Inventory # M:16-30

Name M40-RIVER ROAD OVER BROAD RUN

County/State MONTGOMERY / MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description APPROACH EAST

Number <sup>2</sup>35 of <sup>4</sup>36



Inventory # M:16-30

Name M40-RIVER RD OVER BROAD RUN

County/State MONTGOMERY / MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description ELEVATION NORTH

Number 3 of 4

A black and white photograph of a narrow, paved road winding through a wooded area. The road is flanked by wooden guardrails. On the right side, a signpost holds a rectangular sign that reads "WEIGHT LIMIT 10 TONS" and a smaller sign below it with the number "40". The road surface shows some snow or ice patches, particularly on the left side. The trees are bare, suggesting a winter or late autumn setting. The perspective is from the side of the road, looking down its length.

WEIGHT  
LIMIT  
10  
TONS

40

Inventory # M:16-30

Name M40 - RIVER RD OVER BROAD RUN

County/State MONTGOMERY / MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description WEST APPROACH

Number <sup>4</sup> ~~37~~ of 4