

Maryland Historical Trust

Maryland Inventory of Historic Properties number: _____

~~M: 24-36~~ M: 20-45

Name: Watters Mill Rd over Whetstone Run.

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>

gms



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

MHT Number ^{M: 20-45} ~~M: 24-36~~

Name and SHA No. MG 1 over Whetstone Run

Location:

Street/Road Name and Number: Watkins Mill Road over Whetstone Run

City/Town: Gaithersberg Vicinity X

County: Montgomery

Ownership: State County X 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

~~M: 2436~~
M: 20-45

Metal Cantilever

Concrete

Concrete Arch Concrete Slab Concrete Beam

Rigid Frame

Other Type Name _____

Description:

Describe Setting:

Bridge No. MG 1 carries Watkins Mill north-south over Whetstone Run in Montgomery County, Maryland. The approaches are straight and ascend towards the bridge. The area to the east is primarily composed of woods. There are townhouses are visible to the southeast, and to the northwest.

Describe Superstructure and Substructure:

Bridge No. MG 01, is a temporary bridge built in the 1930's, consisting of a 35' single span with an open grid steel deck welded to four steel beams. This one lane bridge has a clear roadway width of 13'-6" is posted for a weight restriction of three tons. W-Beam type traffic barriers are connected to each side of the bridge. The temporary bridge was placed above the existing steel beams from the previous bridge. This was done because the existing steel beams were encased into the backwall of the each abutment and could not be removed unless portions of the abutments were removed. The substructure consists of one concrete abutment and one stone masonry abutment.

The superstructure is in poor condition. The open grid steel deck is made up of three sections in each direction thus creating an open joint between the sections. In the longitudinal direction, a thin steel plate was placed over each joint to cover up the voided area. These plates, which are fastened to the deck by bolts, are loose, crack, and rattle when traffic rides on them. there are no plates in the transverse directions that cover-up the open joints. there are four steel beams, in which each one is spliced at mid span with four two and five-eighth diameter bolts. All beams exhibit a 15% section loss due to corrosion. The substructure is in fair condition. The stone masonry in the south abutment needs to be repointed in several areas. In the northwest corner and northeast corner of the north abutment their is heavy spalling occurring.

Discuss Major Alterations:

The deck has been replaced and modern guardrails installed.

History:

When Built: 1930's

Why Built: Local transportation needs

Who Built: Unknown

M: 24-36
M: 20-45

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?

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 deck has been replaced and modern guardrails have been installed.

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.

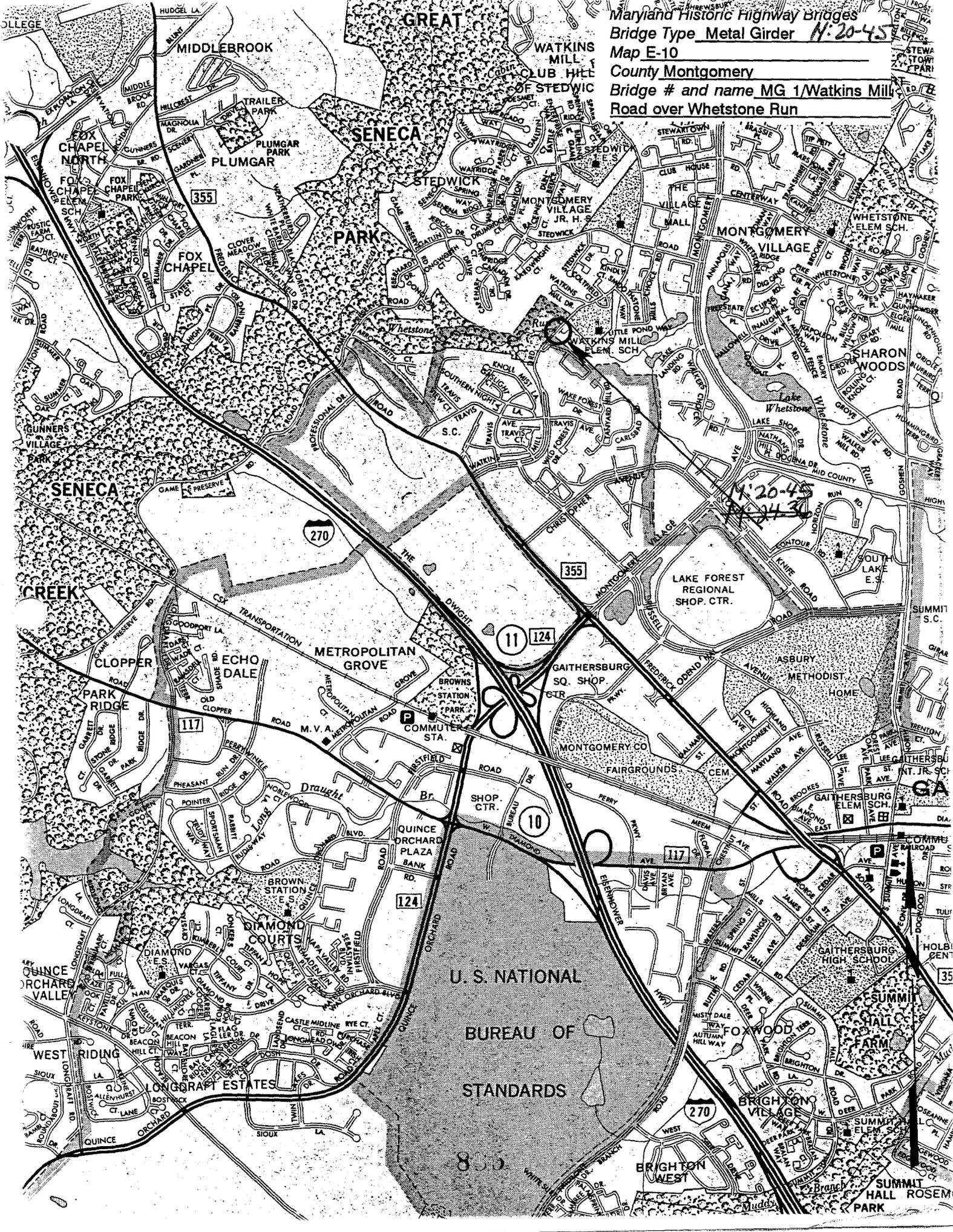
~~M: 24-36~~
M: 20-45

1995 Maryland Inventory of Historic Bridges.
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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
1945 7.5' Gaithersberg 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 H:20-45
Map E-10
County Montgomery
Bridge # and name MG 1/Watkins Mill
Road over Whetstone Run





Montgomery Co. M: 20-45

Brt MG1 Watkins Mill

Looking West

4/8/96

Jason D. Moser



Montgomery Co. M: 20-45

Br # MG-1 Watkins Mill

Looking North

4/8/96

Jason D. Moser



Montgomery Co. M: 20-45

Br # MG-1 Watkins Mill

Looking South

4/8/94

Jasen B. Moser



A black and white photograph of a narrow bridge crossing a road. The bridge has a low, arched metal railing. On either side of the bridge, there are signs. On the left, a sign reads "WEIGHT LIMIT 3 TONS" above a black and white striped post. On the right, a sign features a "no bicycles" symbol (a bicycle with a diagonal slash) above the text "NO BICYCLES", also on a striped post. The road is paved and leads to the bridge. In the background, there are trees and a small vehicle on the bridge. The sky is overcast.

WEIGHT
LIMIT
3
TONS


NO
BICYCLES

Montgomery Co. M: 20-45

Br # M 61 Watkins Mill

Looking East

4/8/96

Jason D. Moser