

Maryland Historical Trust

Maryland Inventory of Historic Properties number: WA-II-1120

Name: Mable Quarry Rd over Little Antietam 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 <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>

*mg*



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

MHT Number WA-II-1120

**Name and SHA No.** Marble Quarry Road over Little Antietam Creek/W 6081 (W608110)

**Location:**

**Street/Road Name and Number:** Marble Quarry Road

**City/Town:** Gapland Vicinity x

**County:** Washington

**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

Metal Cantilever

Concrete

Concrete Arch  Concrete Slab  Concrete Beam

Rigid Frame

Other Type Name \_\_\_\_\_

**Description:**

**Describe Setting:** W 6081 (W 608110) carries Marble Quarry Road over Little Antietam Creek in Washington County, Maryland. Marble Quarry Road runs northeast-southwest at this location; Little Antietam Creek flows north-south. The area adjacent to the bridge is slightly wooded, with open fields and several 20th century structures in view.

**Describe Superstructure and Substructure:** W 6081 (W 608110) is single span steel stringer bridge supporting a timber deck and carrying one lane of traffic. There are steel W-beam guardrails on either side of the deck and anchored to the fascia beam. The present condition of the superstructure is good, with some rust on the beams. The 1993 inspection report recommended cleaning of beams and repainting, and repairs to the timber deck. The span length and total bridge length is 31'.

The substructure is stone masonry abutments and wing walls with concrete caps. The abutments and wing walls are in a state of deterioration, with spalled areas in most of the masonry. There is undermining at the base of both abutments due to channel flow and lodged debris. The 1993 inspection report recommended immediate repairs to the abutments and wing walls, and scour protection being applied at water level.

**Discuss Major Alterations:** In 1973 the timber deck was replaced, new W-beam guardrails were added, and the steel channel posts were replaced. It was also at this time that the concrete caps were added to the tops of the abutments. There is no indication that any of the steel stringers were replaced.

**History:**

**When Built:** 1920

**Why Built:** local transportation needs

**Who Built:**

**Why Altered:** safety needs and structural improvements

**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:**No**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**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**Is the bridge a significant example of its type:**No, W 6081 (W 608110) is merely a typical example of an early 20th century steel stringer bridge.

**Does the bridge retain integrity of the important elements described in the Context Addendum:**There have been extensive alterations made to the deck and floor system of W 6081 (W 608110). Therefore it is likely that they have lost their integrity. The addition of concrete caps, plus the deteriorating condition of the abutments raises questions about the integrity of these elements as well. The only structural element which has not been altered would be the steel stringers, considered primary CDE's. It is likely that they retain their original integrity, but the structure as a whole does not.

**Is the bridge a significant example of the work of the manufacturer, designer, and/or engineer and why:**No

**Should this bridge be given further study before significance analysis is made and why:**  
 Further study should not be necessary for W 6081 (W 608110).

**Bibliography:**

Greiner, Inc.

1995 Historic Bridge Inventory Form.

Spero, P.A.C. & Company, and Louis Berger & Associates

1994 Historic Bridges in Maryland : Historic Bridge Context.

United States Geological Survey

1978 7.5' Keedysville Quadrangle.

Washington County

v.d. Bridge Inspection Files.

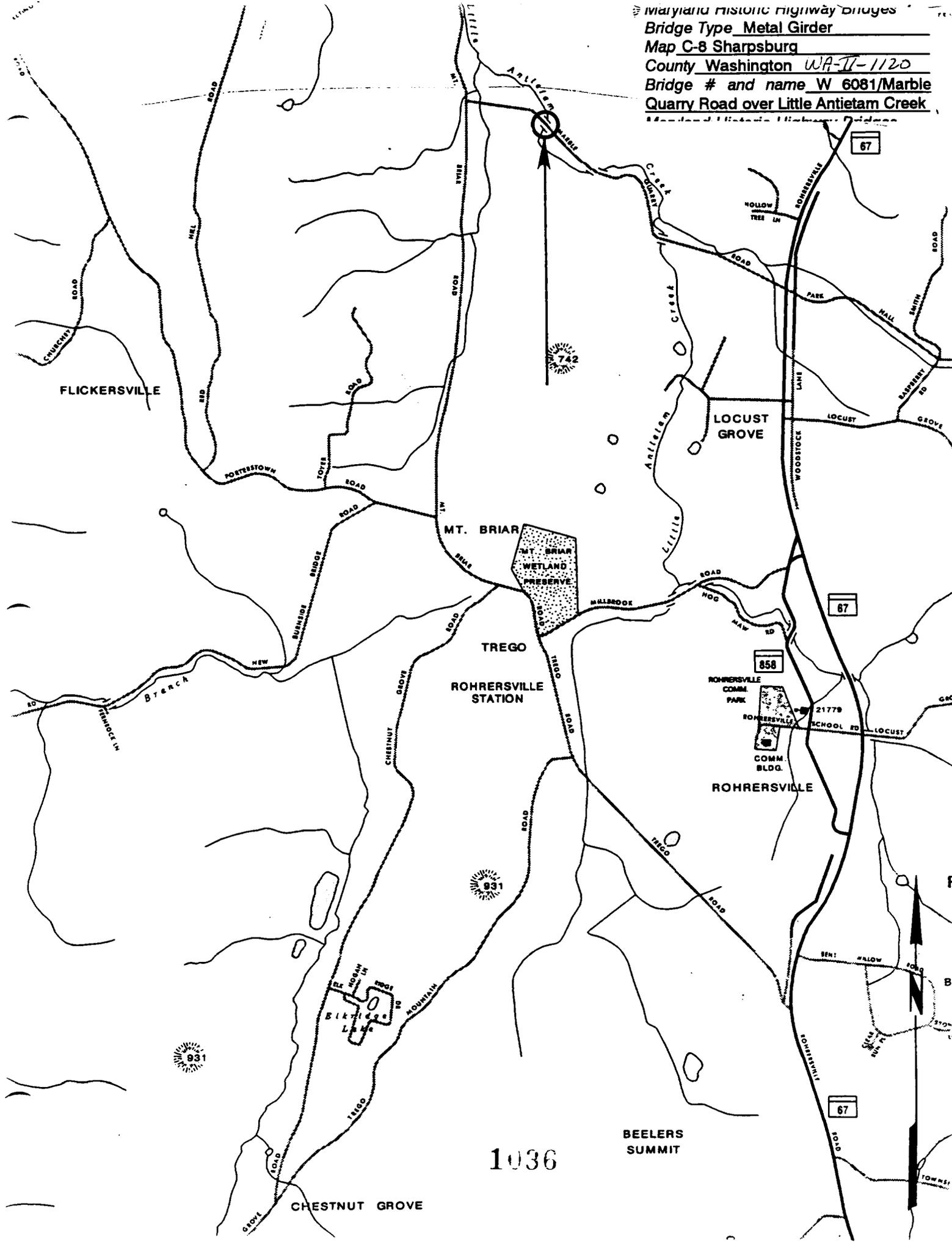
**Surveyor:**

**Name:** Stephanie L. Bandy **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 C-8 Sharpsburg  
 County Washington WA-11-120  
 Bridge # and name W 6081/Marble  
Quarry Road over Little Antietam Creek  
 Maryland Historic Highway Bridges



1036

BEELERS SUMMIT

CHESTNUT GROVE



WA-II-1120 (BR # 20W608110) W6081

OVER LITTLE ANTIETAM CREEK  
WASHINGTON CO., MD.

CHARLES ZIEGLER

2/24/95

S.H.A.

NORTHWEST APPROACH

1 OF 4



WA-II-1120 (BR# 20W608110) W6081

OVER LITTLE ANTIETAM CREEK

WASHINGTON CO., MD.

CHARLES ZIEGLER

2/24/95

S. H. A.

SOUTHEAST APPROACH

2 OF 4



WA-II-1120 (BR# 20W608110) W 6081

OVER LITTLE ANTIETAM CREEK

WASHINGTON CO., MD.

CHARLES ZIEGLER

2/24/95

S. H. A

NORTHEAST ELEVATION (DOWNSTREAM)

3 OF 4



WA-II-1120

(BR # 20W608110) W 6081

OVER LITTLE ANTIETAM CREEK

WASHINGTON CO., MD

CHARLES ZIEGLER

2/24/95

S. H. A.

SOUTHWEST ELEVATION  
(UPSTREAM)

4 OF 4