

Maryland Historical Trust

Maryland Inventory of Historic Properties number: ~~PG: 71-79~~

Name: MD 717 over Western Ranch

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

Name and SHA No. 16109 over Western Branch

Location:

Street/Road Name and Number: MD 717 over Western Branch

City/Town: Upper Marlboro Vicinity

County: Prince George's

Ownership: State County Municipal Other

This bridge projects over: Road Railway Water Land

Is the bridge located within a designated district: yes 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

Metal Girder

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. 16109 carries MD Route. 717 north-south over Western Branch in Prince Georges County, Maryland. This structure is located in the town of Upper Marlboro. There are no guardrails on the approaches. A foot bridge crossing Western Branch is located 50' to the east of the bridge. Commercial buildings are located to the north and east of the bridge.

Describe Superstructure and Substructure:

Bridge 16109 is a 40'± single span, non-redundant steel girder and floor beam structure with a steel grid deck providing a 22'± clear roadway width. The bridge has an unknown construction date, but was rehabilitated in 1966. The substructure consists of concrete stub abutments, with timber backwalls and wingwalls. Lateral protection on the bridge includes a timber curb, and a W-beam guardrails on both sides of the bridge.

A diaphragm developed a severe sag, which has been mentioned in every inspection report since 1981, which is the earliest inspection report that could be located.

Discuss Major Alterations:

Bridge 16109 was acquired by the state in 1965 and rebuilt in 1966. The original structure had a timber deck system which utilized the lower floorbeams connected to the girder webs. However, when the bridge was rebuilt, using a steel grid deck, the upper floorbeams were added to carry both the dead and line loads to the girders. The lower floorbeams were left in place to provide stiffness. There was originally a floor beam at the ends but they were beyond repair and removed in 1966. The gunite at the abutments hides steel pipe columns at each girder, x-bracing between columns, and old stone & concrete abutments and wingwalls left over from previous structures at this location. A recent analysis of this bridge by Whitney, Bailey, Cox and Magnani found that the original girders are the only part of the original structure remaining.

History:

When Built: 1900 (estimated), rehabilitated in 1966

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: Unknown

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?

This bridge does not appear to retain the integrity of any of its primary character defining elements as defined within the Context Addendum. The only part of the original bridge which remains are the steel stringers.

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

No further study of this bridge is recommended. This bridge does not retain its integrity of its primary character defining elements, and does not appear to be significant to events in Maryland or local history.

Bibliography:

Greiner, Inc.

1995 Maryland Inventory of Historic Bridges.

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

1994 Historic Bridges in Maryland: Historic Bridge Context.
State Highway Administration
v.d. Bridge Inspection Files.
United States Geological Survey
1965 7.5' Upper Marlboro Quadrangle, photorevised 1979.

Surveyor:

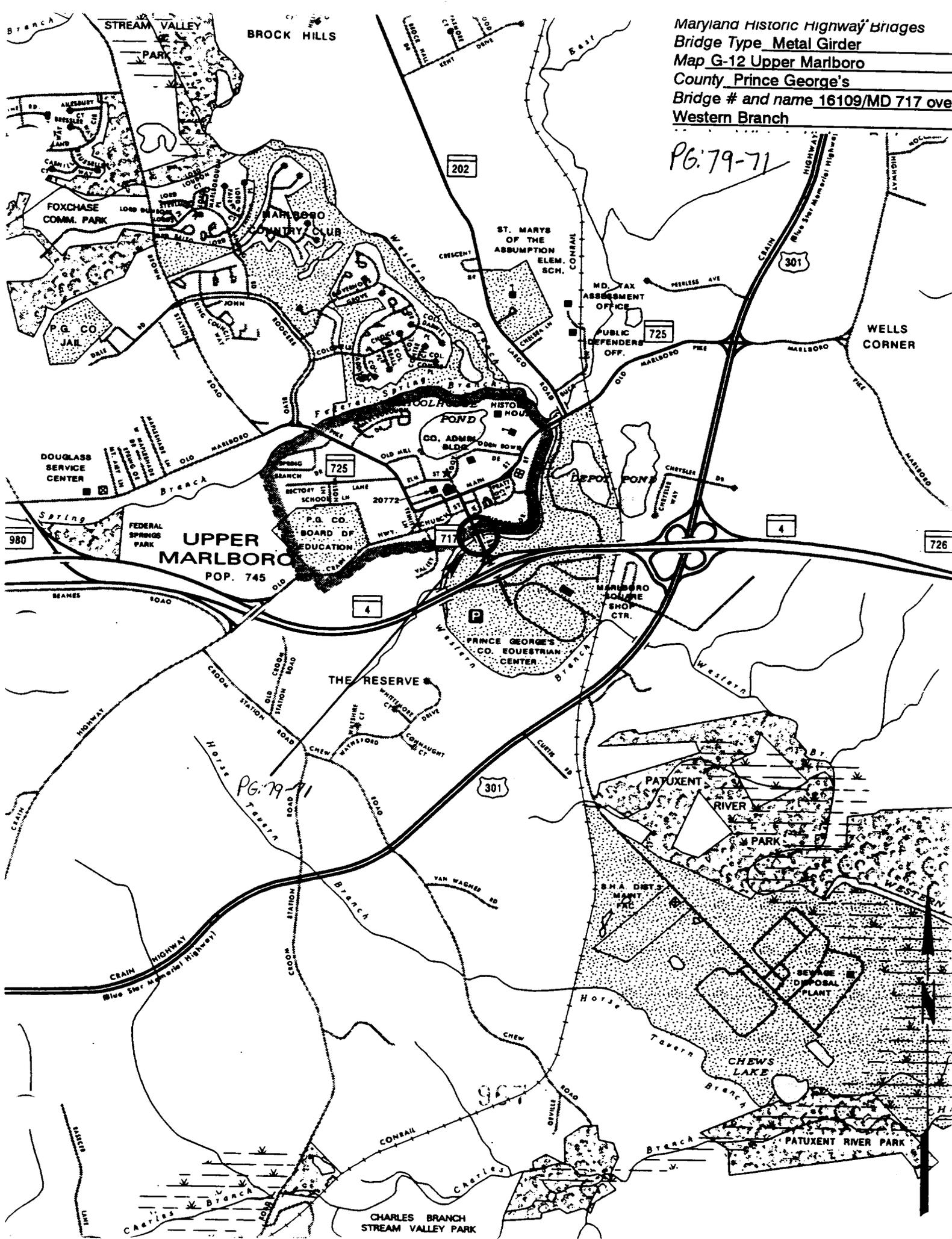
Name: Jason D. Moser **Date:** September 1995

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 G-12 Upper Marlboro
County Prince George's
Bridge # and name 16109/MD 717 over
Western Branch

PG: 79-71





RESTRICTED WEIGHT
SINGLE UNIT
58,000 LBS GW
COMBINATION UNIT
68,000 LBS GCW

Inventory # PG: 79-71

Name 16109- MD 717 OVER WESTERN BRANCH

County/State PRINCE GEORGES COUNTY/MD

Name of Photographer WALLY KING

Date 1/95

Location of Negative SNA

Description SOUTH APPROACH LOOKING
NORTH

Number 1A of 9

BARNEGAT COUNTY HISTORICAL SOCIETY

SINGLE UNIT
58,000 LBS GVW
COMBINATION UNIT
68,000 LBS GCW



Inventory # PG: 79-71

Name 16109-MOTM OVER WESTERN BRANCH

County/State PRINCE GEORGES COUNTY/MD

Name of Photographer WALLY KING

Date 1/95

Location of Negative SNA

Description NORTH APPROACH LOOKING
SOUTH

Number 2 of 4
5 of 20

1150 29001010049 4511



Inventory # PG:79-71

Name 16109-MD 117 OVER WESTERN BRANCH

County/State PRINCE GEORGES COUNTY/MD

Name of Photographer WALLY KING

Date 1/95

Location of Negative SHA

Description EAST ELEVATION

Number 4 of 4
~~1~~ ~~20~~

11173 8 6069000000000000



Inventory # PG: 79-71

Name 1101091-MD717 OVER WESTERN BRANCH

County/State PRINCE GEORGES COUNTY MD

Name of Photographer WALLY KING

Date 1/95

Location of Negative SHA

Description WEST ELEVATION

Number 3 of 4
6 of 28

202505048 4611 N