

Maryland Historical Trust

Maryland Inventory of Historic Properties number: HO-666

Name: Old Montgomery Rd. over Little Patuxent 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> |

Handwritten mark



Metal Arch

Metal Cantilever

Concrete

Concrete Arch Concrete Slab Concrete Beam

Rigid Frame

Other Type Name _____

Description:

Describe Setting: Bridge HO55 carries Old Montgomery Road over the Little Patuxent River in Howard County, Maryland. Old Montgomery Road runs in a generally north-south direction at this location; the Little Patuxent runs generally east-west. The bridge is located in a wooded rural area, with one twentieth century domestic structure in view from the bridge. The Little Patuxent has a wooded channel bank in this area.

Describe Superstructure and Substructure: The superstructure of Bridge HO55 is a single span steel beam with a corrugated metal deck and bituminous overlay on the roadway. It has an 18' single span length with a total length of 22'. It also has a standard W-beam guard rail along both sides of the bridge, but not on either approach. The substructure consists of mortar coated stone masonry abutments.

Discuss Major Alterations: In 1982 the entire superstructure of HO55 was replaced, and repairs were made to the deteriorating abutments. There has also been routine maintenance, such as painting, rust removal, resurfacing of the roadway and replacement of the guard rail, since 1982.

History:

When Built: estimated 1935

Why Built: local transportation needs

Who Built:

Why Altered: structural repairs 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 B Person

C Engineering/Architectural

Was this bridge constructed in response to significant events in Maryland or local history: During the early part of the twentieth century many steel beam girder bridges were installed to meet the demands of the growing population of Howard County, and the increased usage of automobiles as the prominent mode of transportation.

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, construction and alteration of the structure did not have a significant impact on the growth or 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 is not located in an area which may be eligible for historic designation.

Is the bridge a significant example of its type:No, HO55 is not a significant example of a rolled metal girder bridge.

Does the bridge retain integrity of the important elements described in the Context Addendum:Rolled wide flange beams are considered a primary character defining element. In 1982 the floor system was replaced with new steel beams. The most recent inspection report, from 1995, lists these beams in good condition, in need of cleaning and painting. The deck is considered a secondary character defining element. Also in 1982, the deck system was replaced with a new corrugated metal deck with bituminous overlay on the roadway. The 1995 inspection report lists the deck in good condition as well, with minor rust on the underside of the deck. Guardrails are considered a tertiary character defining element as an additional functional feature. The W-beam guardrails are listed in good condition with little rust in the 1995 inspection report, indicating that they have been replaced in approximately the last five years.

Stone masonry abutments are considered a primary character defining element. The documentation available is unclear as to the year that repairs to the abutments were made. It is likely that the mortar coating on the stone masonry was put on in an effort to slow deterioration of the abutments in the past twenty years.

The 1982 replacement of the superstructure, and extensive modifications to the abutments raises question as to the integrity of this structure.

Should this bridge be given further study before significance analysis is made and why:No, this structure should not be given further study. Extensive replacements and modifications to the structure place its integrity in doubt.

Bibliography:

Howard County

v.d Bridge Inspection Files.

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

1957 7.5' Savage Quadrangle, photorevised 1966, 1974.

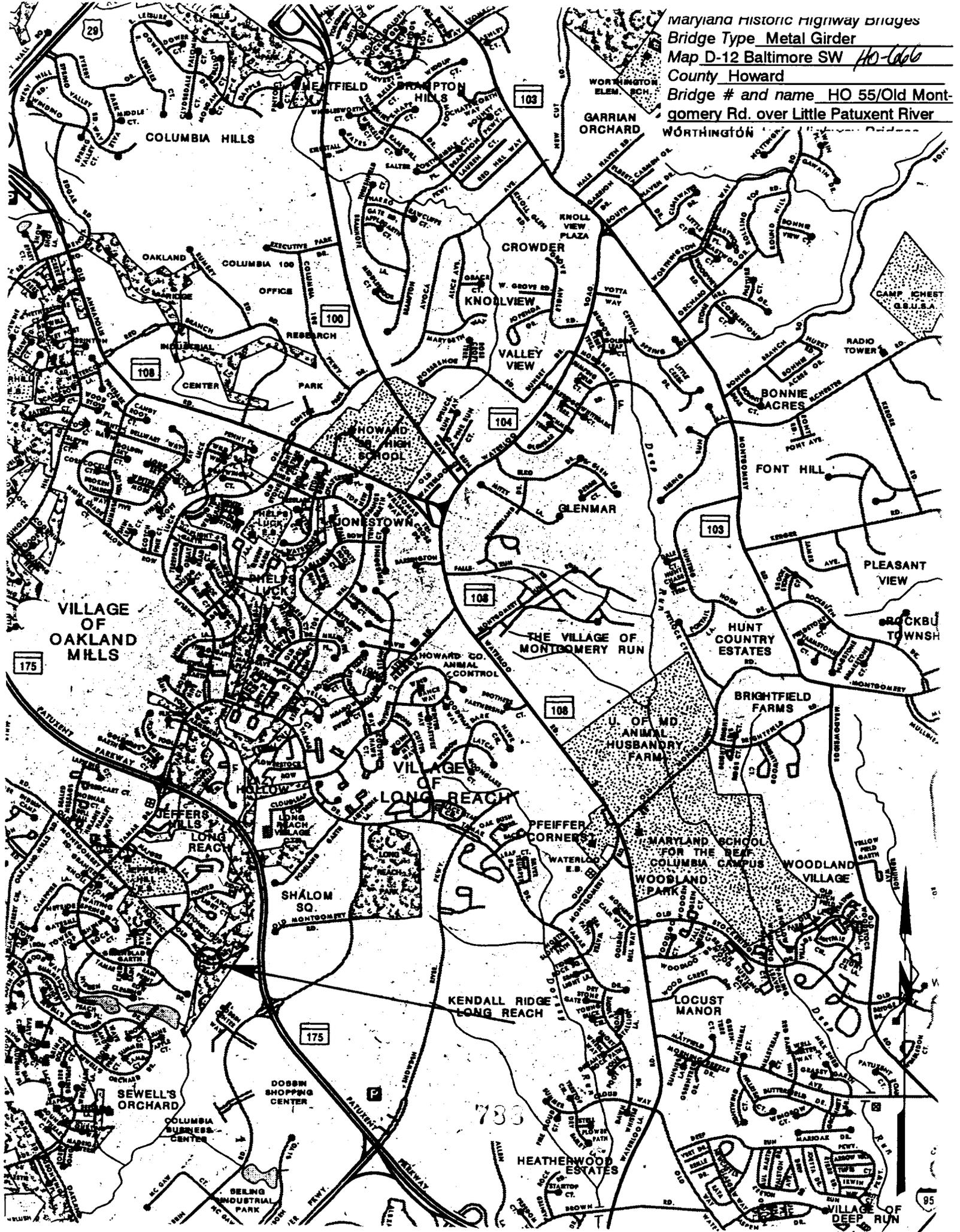
Surveyor:

Name: Stephanie L. Bandy **Date:** August 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-12 Baltimore SW HO-666
County Howard
Bridge # and name HO 55/Old Mont-
gomery Rd. over Little Patuxent River
WORTHINGTON



733



Inventory # HO-666

Name HOSS - OLD MONTGOMERY RD OVER PATUMONT RIVER
LITTLE

County/State HOWARD / MD

Name of Photographer DAVID DIEHL

Date 2/95

Location of Negative SHA

Description WEST APPROACH

Number 1 of 4
13 of 16



WARNING
WEIGHT NOT TO EXCEED
3600 POUNDS
SPEED NOT TO EXCEED
25 MILES PER HOUR

Inventory # HO-6666

Name HOSS - OLD MONTGOMERY RD OVER
LITTLE PATUXENT RIVER

County/State HOWARD / MD

Name of Photographer DAVID DIEHL

Date 2/95

Location of Negative SHA

Description EAST APPROACH

Number 2 of 4

11206 00000110001 *01



Inventory # Ho-666

Name HOSS - OLD MONTGOMERY RD OVER
LITTLE PATUXENT RIVER

County/State HOWARD / MD

Name of Photographer DAVID DIEHL

Date 2/95

Location of Negative SHA

Description NORTH ELEVATION

Number 3 of 4



Inventory # HO-6666

Name HOSS - OLD MONTGOMERY RD OVER
LITTLE PATUXENT RIVER

County/State HOWARD / MD

Name of Photographer DAVID DIEHL

Date 2/95

Location of Negative SHA

Description SOUTH ELEVATION

Number 4 of 4