

Maryland Historical Trust

Maryland Inventory of Historic Properties number: HO-741

Name: Sylvan Lane over trib of Sucker Cr.

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 HO-741

Name and SHA No. Sylvan Lane over tributary of Sucker Branch/HO111

Location:

Street/Road Name and Number: Sylvan Lane

City/Town: Ellicott City Vicinity x

County: Howard

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

x NR listed district NR determined eligible district

 locally designated other

Name of District Ellicott City National Register Historic 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: Bridge HO111 carries Sylvan Lane over an unnamed tributary of Sucker Branch in Howard County, Maryland. Sylvan Lane runs in a generally north-south direction at this location; the unnamed tributary runs generally east-west. The bridge is located in a wooded rural area. There are no structures visible from the bridge. The southern approach is covered with bituminous overlay; the northern approach is an unpaved private dirt road.

Describe Superstructure and Substructure: The superstructure of HO111 is a single span steel beam with a reinforced concrete deck and bituminous overlay on the roadway. It has a 19' span length with a total length of just over 21'. It also has standard W-beam guard rails on both sides of the bridge. The substructure consists of stone masonry abutments and wing walls.

Discuss Major Alterations: In 1971 the entire superstructure of this bridge was replaced. The deck was removed and new steel beams were installed. The deck was replaced with a reinforced concrete deck and new W-beam guard rails were added. There has also been routine maintenance, such as painting, rust removal, resurfacing of the roadway and repairs to the guard rail, over the years.

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: Many less stable timber or stone bridges were replaced with steel beam bridges during the early part of the twentieth century. Other than being a typical replacement of

the time period, it is not likely that HO111 was constructed in response to any specific 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: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:Yes, this bridge is located in the Ellicott City National Register Historic District.

Is the bridge a significant example of its type:No, HO111 is not a significant example of its type.

Does the bridge retain integrity of the important elements described in the Context Addendum:Rolled I-beams are considered primary character defining elements. In 1971 The entire superstructure, including the steel beams, was replaced. The bridge deck is considered a secondary character defining element. It too was replaced in 1971.

The stone masonry abutments and wing walls are considered a primary character defining element. The substructure has not had major alterations made to it since its construction in the 1930's. The only work done to this portion of the bridge has been routine maintenance and minor repairs to the mortar work.

While the abutments have not been significantly altered, the complete replacement of the superstructure of this bridge, less than twenty-five years ago, has placed its integrity in doubt.

Should this bridge be given further study before significance analysis is made and why:No, this structure should not be given further study. Major alterations 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

1953 7.5' Ellicott City Quadrangle, photorevised 1966, 1974.

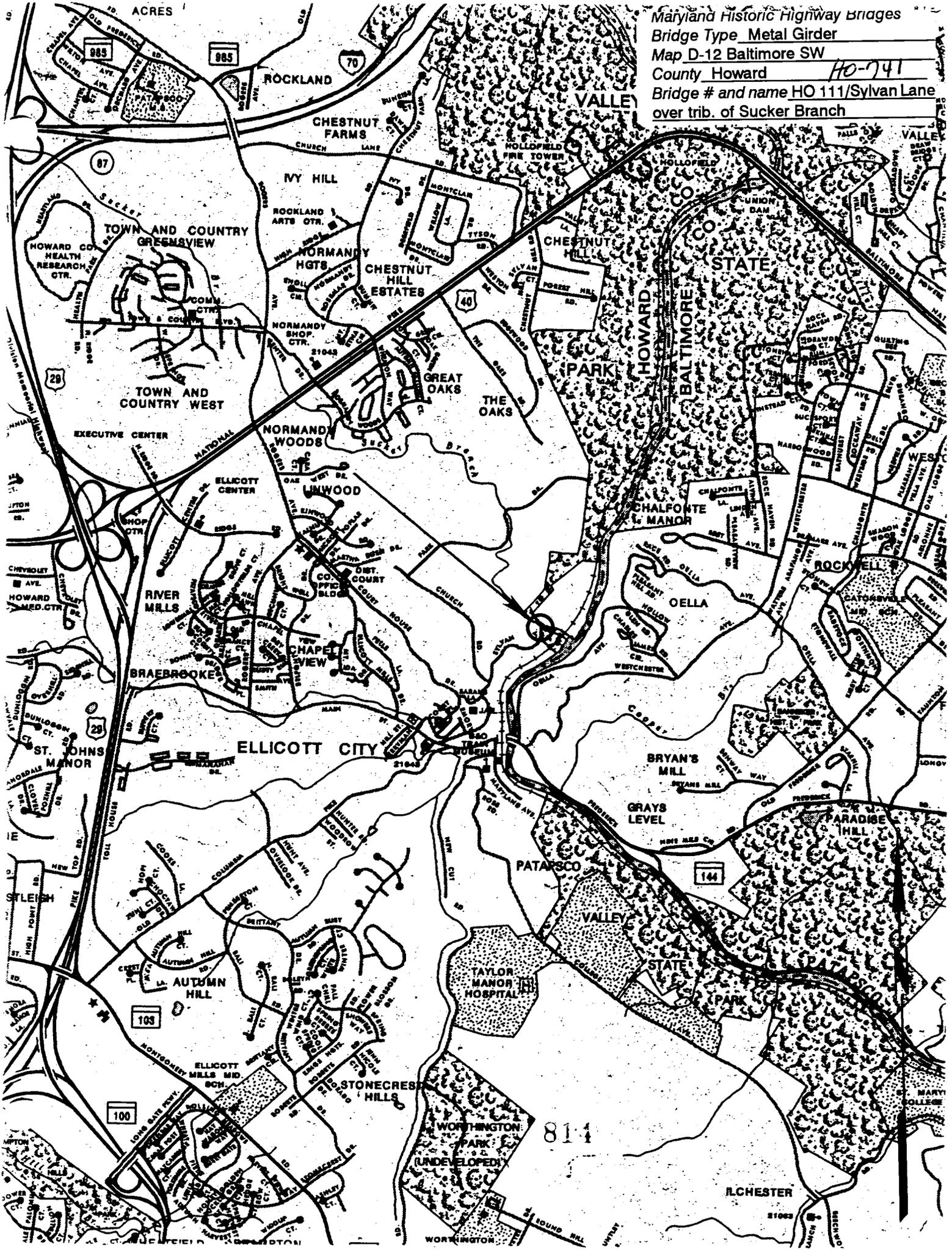
Surveyor:

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
County Howard HO-741
Bridge # and name HO 111/Sylvan Lane
over trib. of Sucker Branch



814



Inventory # HO-741

Name HOIII-SYLVAN LANE OVER STREAM

County/State HOWARD / MD

Name of Photographer DAVID DIEHL

Date 2/95

Location of Negative SHA

Description NORTH APPROACH

Number 1 of 4
~~28~~ ~~31~~

0.29 10810 6710



Inventory # HO-741

Name HO111 - SYLVAN LANE OVER STREAM

County/State HOWARD / MD

Name of Photographer DAVID DIEHL

Date 2/95

Location of Negative SHA

Description SOUTH APPROACH

Number ² ~~21~~ of ⁴ ~~26~~

11-58 9951623K 02*01



Inventory # HO-741

Name HO111 - SYLVAN LAKE OVER STREAM

County/State HOWARD / MD

Name of Photographer DAVID DIEHL

Date 2/95

Location of Negative SHA

Description WEST ELEVATION

Number 3 of 4
~~30~~ of ~~36~~

U. S. GEOLOGICAL SURVEY



Inventory # H0-741

Name H0111 - SYLVAN LANE OVER STREAM

County/State HOWARD / MD

Name of Photographer DAVID DIEHL

Date 2/95

Location of Negative SHA

Description EAST ELEVATION

Number 4 of 4
~~31~~ of ~~30~~

10-22-1955-1984