

Maryland Historical Trust

Maryland Inventory of Historic Properties number: M:23-126

Name: MD 97 over Ruddy Branch / 15012

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 HISTORICAL TRUST  
NR-ELIGIBILITY REVIEW FORM**

NR Eligible: yes   
no

Property Name: Bridge No. 15012 Inventory Number: M:23-126

Address: MD 97 over Reddy Branch City: Brookeville Zip Code: N/A

County: Montgomery USGS Topographic Map: Sandy Spring

Owner: MD. SHA

Tax Parcel Number: N/A Tax Map Number: N/A Tax Account ID Number: N/A

Project: MD 97Brookeville Agency: SHA

Site visit by MHT Staff:  no  yes Name: \_\_\_\_\_ Date: \_\_\_\_\_

Eligibility recommended  Eligibility **not** recommended

Criteria:  A  B  C  D Considerations:  A  B  C  D  E  F  G  None

Is the property located within a historic district?  no  yes Name of district: \_\_\_\_\_

Is district listed?  no  yes Determined eligible?  no  yes District Inventory Number: \_\_\_\_\_

Documentation on the property/district is presented in: SHA Compliance Files

**Description of Property and Eligibility Determination:** *(Use continuation sheet if necessary and attach map and photo)*

This structure is not eligible for listing in the National Register individually as a bridge due to extensive repairs to the concrete which have undermined its integrity. As discussed in the attachment, the 1996 inventory form, the structure is not a significant example of a concrete beam. The character-defining elements are present, but have been compromised by modern repairs in concrete of a markedly different tone (I-302). Most of the girders have been repaired with concrete or gunnite. Repaired areas have random cracks and moderate surface erosion. Footings are exposed and are protected with grout bags. Abutment walls also have gunnite repairs and lots of random cracks with efflorescence. The wingwalls, the underside of the deck, and the abutments were all repaired with pneumatically applied concrete.

As evaluated by the Historic Bridge Committee, this structure is identified as pool resource.

Prepared by: Rita Suffness

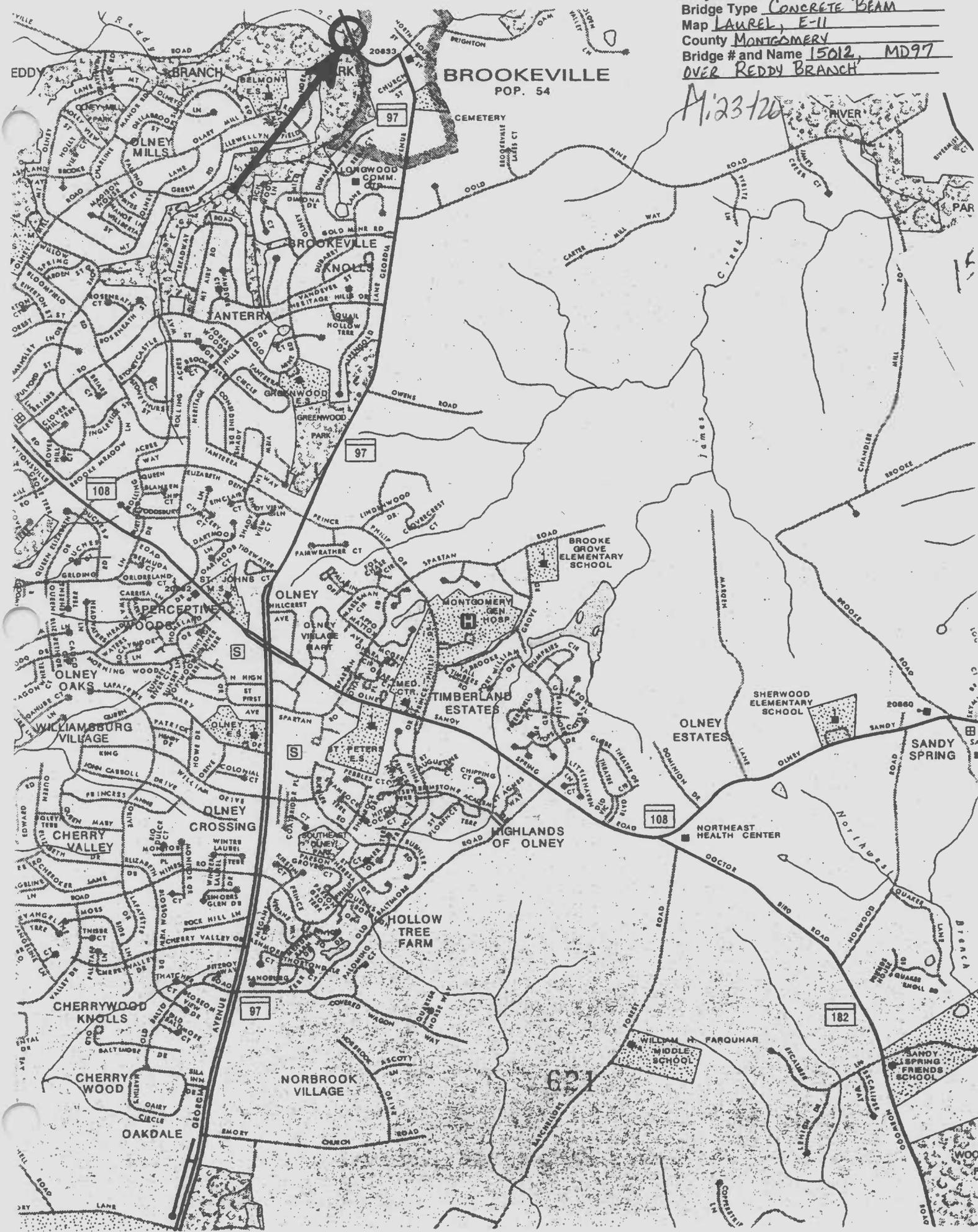
Date Prepared: February 9, 2001

*gms*

<b>MARYLAND HISTORICAL TRUST REVIEW</b>	
Eligibility recommended <input type="checkbox"/>	Eligibility <b>not</b> recommended <input checked="" type="checkbox"/>
Criteria: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D	Considerations: <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> None
Comments: _____	
<u><i>Rita Suffness</i></u> Reviewer, Office of Preservation Services	<u><i>April Zizzo</i></u> Date
<u><i>Rita Suffness</i></u> Reviewer, NR program	<u><i>4/6/01</i></u> Date

Maryland Historic highway bridges  
Bridge Type CONCRETE BEAM  
Map LAUREL, E-11  
County MONTGOMERY  
Bridge # and Name 15012, MD97  
OVER REDDY BRANCH

M:23120





M:23-126

Bridge # 15012, MD 97 over Reddy Branch  
Brooksville



M:23-126

Bridge #15012,  
Brookville

MD97 over Reddy Branch



M:2 3-126

Bridge # 15012, MO97 over Reddy Branch  
Brooksville

MARYLAND INVENTORY OF HISTORIC PROPERTIES  
HISTORIC BRIDGE INVENTORY  
MARYLAND STATE HIGHWAY ADMINISTRATION  
MARYLAND HISTORICAL TRUST

MHT NO. M:23-126

NAME AND SHA NO.: 15012

LOCATION

Road Name and Number: MD 97 over Reddy Branch

City/Town: Brookeville \_ vicinity

County: Montgomery

Ownership:  State \_ County \_ Municipal \_ Other

Bridge projects over: \_ Road \_ Railway  Water \_ Land

Is bridge located within 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 Bridge
- Metal Truss Bridge
- Moveable 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 the Setting:**

Situated in Maryland's Piedmont physiographic zone, Bridge 15012 carries MD 97 over Reddy Branch in eastern Montgomery County. Reddy Branch flows eastward draining into the Hawlings River. The area around the bridge is wooded and residential.

### **Describe the Superstructure and Substructure: (Discuss points identified in Context Addendum, Section C)**

A single-span, concrete-beam bridge 24-feet in total length, Bridge 15012 possesses a 24-foot clear roadway with a bituminous wearing surface. Concrete parapets border the roadway. W-beam guardrails flank the approaches. Concrete abutments and wing walls support the superstructure.

A survey of historic concrete beam bridges undertaken by the Maryland State Highway Administration in the Fall of 1995 identified 113 bridges of that type located throughout the state. Slightly more than two-thirds (76) of that total were single-span bridges.

### **Discuss major alterations:**

Inspection reports do not indicate any major alterations have been undertaken on Bridge 15012.

## HISTORY

**When Built:** 1927

**Why Built:** Construction of Bridge 15012 may relate to either the State Roads Commission's ongoing effort during the mid-1920s to replace one-lane bridges with wider two-lane spans or the secondary road improvement program.

**Who Built:** State Roads Commission

**Who Designed:** Unknown

**Why Altered:** Not applicable.

**Was this bridge built as part of an organized bridge building campaign?:** Yes

Construction of Bridge 15012 may have occurred as part of the State Roads Commission's (SRC) mid-1920s efforts to widen one-lane bridges with new two-lane spans. Alternatively, the bridge may have been erected as part of the SRC's secondary road improvement program.

SURVEYOR ANALYSIS

**This bridge may have NR significance for association with:**

A (Events)    B (Person)    C (Engineering/Architectural Character)

**Was this bridge constructed in response to significant events in Maryland or local history?**

Bridge 15012's construction may relate to broad trends of Maryland's transportation history as a result of its possible association with either the SRC's bridge widening program or its secondary road improvement program undertaken during the 1920s.

**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 of Bridge 15012 did not have a significant impact on the surrounding area's subsequent development or growth.

**Is the bridge located in an area which may be eligible for historic designation, and would the bridge add or detract from the historic and visual character of the possible district?**

No. Although Maryland Historical Trust survey documents indicate the National Register-listed Brookeville Historic District lies just to the west, Bridge 15012 does not relate to the district's period of significance documenting trends in Maryland's history during the eighteenth and nineteenth centuries.

**Is the bridge a significant example of its type?**

No. Research has not indicated Bridge 15012 is a significant example of its type.

**Does the bridge retain integrity of the important elements described in the Context Addendum?**

Yes, Bridge 15012 retains fair integrity of its character defining elements. The bridge's beams and slab, its parapets, and its abutments and wing walls have not been greatly altered by repairs.

MARYLAND INVENTORY OF HISTORIC PROPERTIES  
HISTORIC BRIDGE INVENTORY  
MARYLAND STATE HIGHWAY ADMINISTRATION  
MARYLAND HISTORICAL TRUST

MHT NO. M:23-126

**Is the bridge a significant example of the work of the manufacturer, designer, and/or engineer, and why?**

No, this bridge is not a significant example of the State Roads Commission's bridge building.

**Should this bridge be given further study before significance analysis is made, and why?**

No. Further study is unlikely to reveal any additional information linking Bridge 15012 with any significant patterns, events or persons, or associations with significant engineering and/or methods of construction.

**BIBLIOGRAPHY**

Maryland Inventory of Historic Properties

Survey information on file at Maryland Historical Trust, Crownsville, MD.

Maryland State Highway Administration

Bridge Inspection Reports. On file at 707 North Calvert Street, Baltimore.

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

1994 *Historic Bridges in Maryland: Historic Context Report*. Maryland State Highway Administration, Baltimore.

State Roads Commission of Maryland

1930 *Report of the State Roads Commission of Maryland for the Years 1927, 1928, 1929 and 1930*. Baltimore.

1958 *A History of Road Building in Maryland*. Baltimore.

**SURVEYOR INFORMATION**

**Name:** Stuart Paul Dixon/Steven Linhart

**Organization:** KCI Technologies, Inc.

**Address:** 5001 Louise Dr., Suite 201

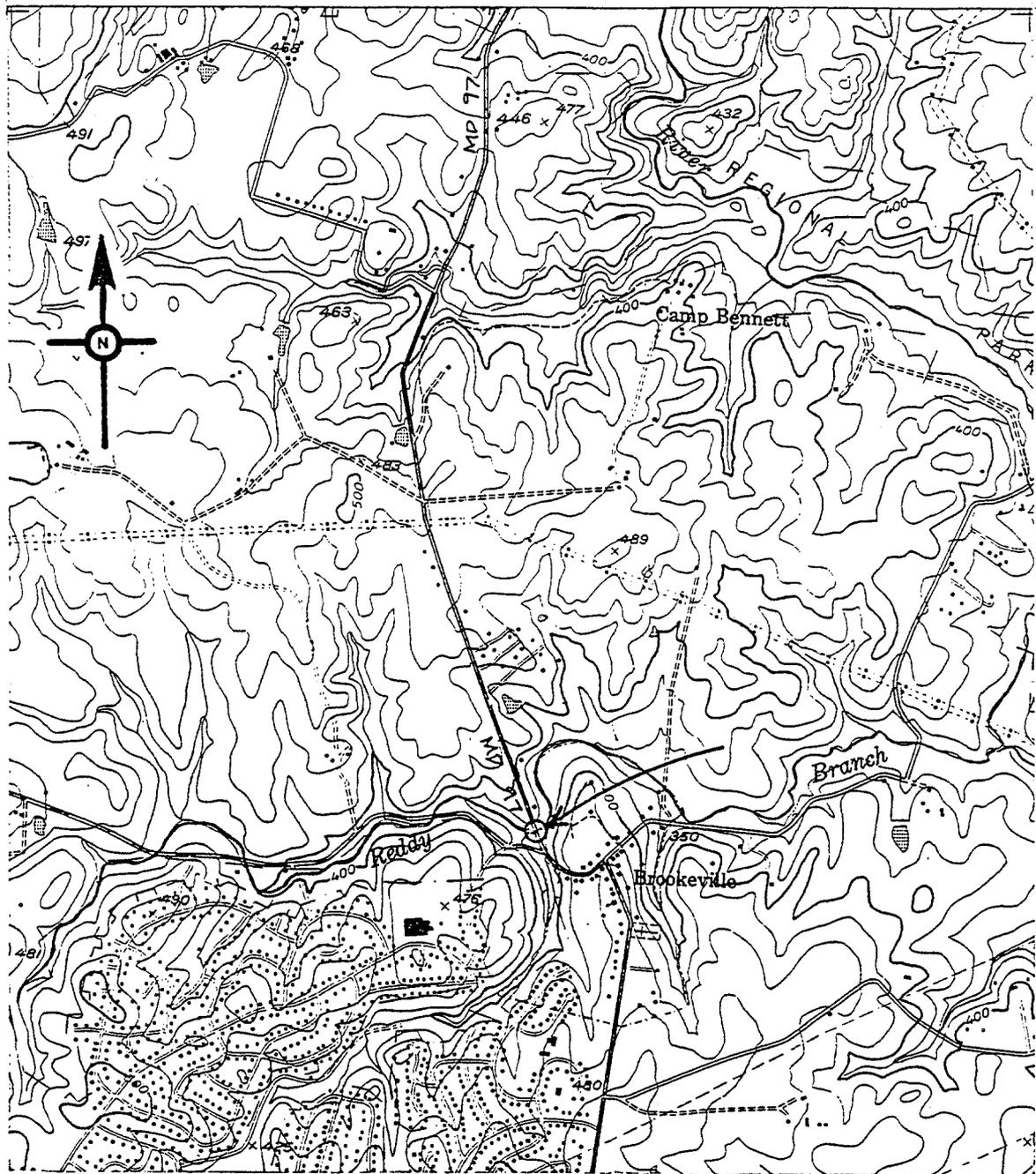
Mechanicsburg, PA 17055

**Date:** 13 May 1996

**Telephone:** (717) 691-1340

MARYLAND INVENTORY OF HISTORIC PROPERTIES  
HISTORIC BRIDGE INVENTORY  
MARYLAND STATE HIGHWAY ADMINISTRATION  
MARYLAND HISTORICAL TRUST

MHT NO. M:23-126



Bridge # 15012 (MHT # M:23-126)  
MD 97 over Reddy Branch  
Sandy Spring, MD Quadrangle (USGS 1979)



Inventory # M: 23-126

Name 5012 - MD97 OVER REDDY BRANCH

County/State MONTGOMERY / MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description APPROACH NORTH

Number <sup>1</sup>20 of <sup>4</sup>33



Inventory # M: 23-126

Name 15012-MD 97 OVER REDDY BRANCH

County/State MONTGOMERY | MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description ELEVATION WEST

Number <sup>2</sup>~~21~~ of <sup>4</sup>~~33~~



Inventory # M: 23-126

Name 15012 MD 97 OVER REDDY BRANCH

County/State MONTGOMERY | MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description APPROACH SOUTH

Number <sup>3</sup> 22 of <sup>4</sup> 33



Inventory # M: 23-126

Name 15012 - MD 97 OVER REDDY BRANCH

County/State MONTGOMERY / MD

Name of Photographer FRANK JUVIANO

Date 2/95

Location of Negative SHA

Description ELEVATION EAST

4  
Number 23 of 33