

Maryland Historical Trust

Maryland Inventory of Historic Properties Number: BL-4539 BA-3133

Name: BL-6525 Lock Raven Rd over Dulaney Valley Branch

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 bridged received the following determination of eligibly.

MARYLAND HISTORICAL TRUST	
Eligibility Recommended <input checked="" type="checkbox"/>	Eligibility Not Recommended <input 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: _____	

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>

2001

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

MHT NO. B-4539

NAME AND SHA NO.: BC-6525

LOCATION

Road Name and Number: Loch Raven Road over Dulaney Valley Branch

City/Town: Blenheim vicinity

County: Baltimore

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 concrete through-girder with concrete floor beams

**MARYLAND INVENTORY OF HISTORIC PROPERTIES
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3A-3.33
MHT NO. ~~B-4539~~

DESCRIPTION

Describe the Setting:

Located within Maryland's Piedmont physiographic zone, Bridge BC-6525 spans Dulaney Valley Branch in central Baltimore County. Surrounded by a gently rolling topography of mixed fields and woodland, Loch Raven Road extends in a north-south direction crossing the northeasterly flowing Dulaney Valley Branch on a horizontal curve a short distance before it flows into the Loch Raven Reservoir.

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

Bridge BC-6525 consists of a single-span, concrete through-girder bridge with concrete floor beams. Two through-girders and six concrete floor beam compose the bridge superstructure. A total of 44 feet in length, the bridge provides nearly 23 feet of clear roadway composed of a concrete deck surfaced with bituminous overlay. W-beam guardrails protect the approaches. Concrete abutments and wing walls support the superstructure.

Recent inspection reports have described the bridge as in poor condition with large areas of spalling and cracking with exposed re-steel. Both end beams exhibit exposed reinforcing members. Section loss on some beams consists of 100 percent to the stirrup reinforcement and 10 percent to the re-steel in the girders. Both abutments also possess large spall areas.

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:

City inspection records indicated that no major alterations have been undertaken on the bridge.

HISTORY

When Built: 1930

Why Built: Unknown

Who Built: Unknown

Who Designed: Unknown

Why Altered: Does not apply.

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Was this bridge built as part of an organized bridge building campaign?: Research has not revealed any relationships between bridge BC-6525 and any organized building campaigns.

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 BC-6525 may relate to construction of Loch Raven Reservoir during the early part of this century in order to provide the City of Baltimore with a constant water supply.

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?

Construction of Bridge BC-6525 does not appear to have had any impact on the area's development and 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, Bridge BC-6525 is not located in an area potentially eligible for historic designation.

Is the bridge a significant example of its type?

No, Bridge BC-6525 is not a significant example of its type.

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

The condition of the bridge's character defining elements, its beams and slab, abutments, wing walls and parapets have deteriorated and thus only possess fair integrity.

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

City records do not identify the original construction authority, and therefore evaluating the bridge as a significant example of its manufacturer is problematic.

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

Yes. Further study may identify the original construction body as well as any potential relationships between the bridge's erection and the completion of Loch Raven Reservoir.

BIBLIOGRAPHY

City of Baltimore Department of Public Works

Bridge Inspection Reports. On file at 417 E. Fayette 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.

1933 *Financial Report of the State Roads Commission of Maryland for the Years 1929 - 1930 - 1931 - 1932 and Addenda 1933.* Baltimore.

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

SURVEYOR INFORMATION

Name: Stuart Paul Dixon
Organization: KCI Technologies, Inc.
Address: 5001 Louise Dr., Suite 201
Mechanicsburg, PA 17055

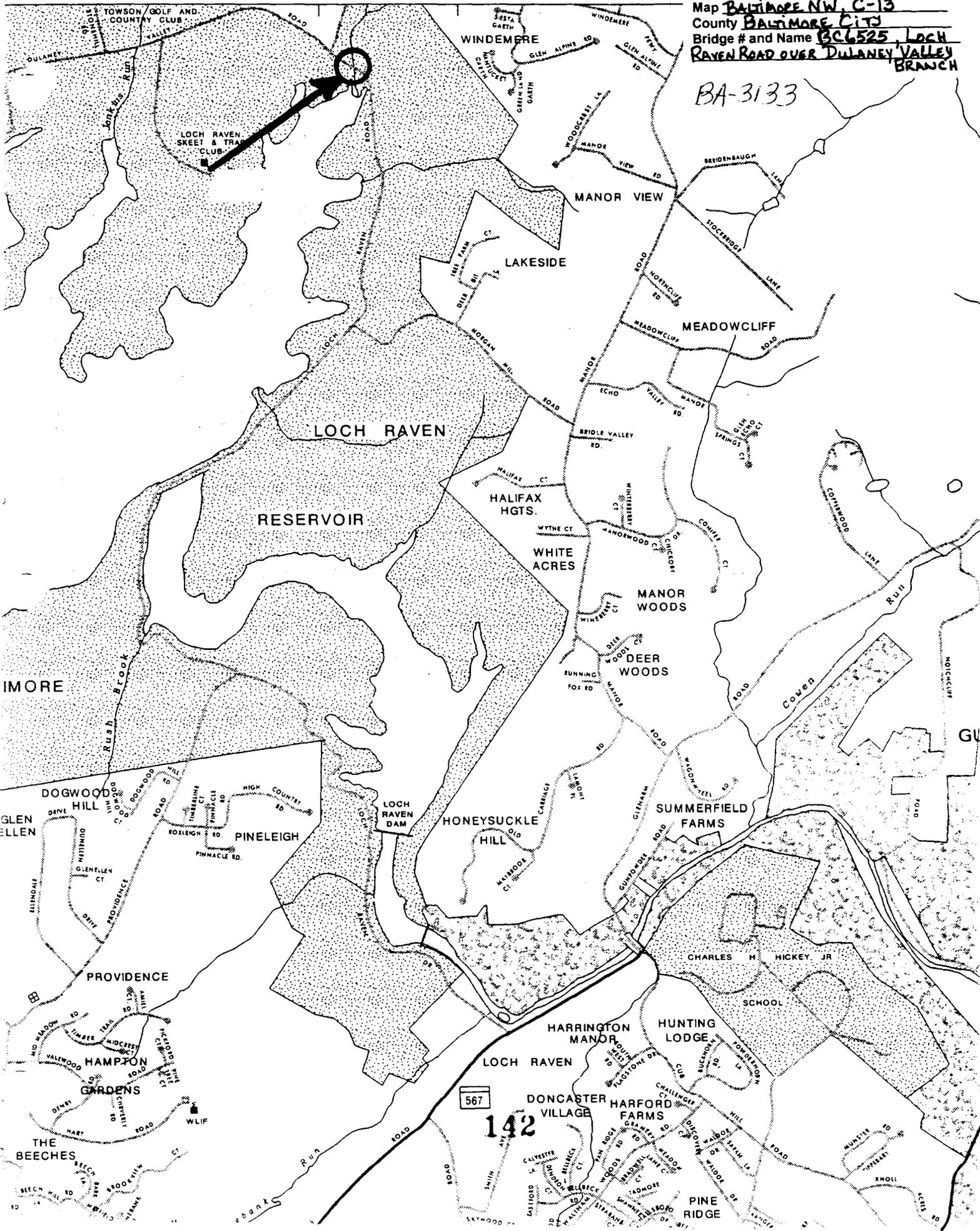
Date: 13 May 1996
Telephone: (717) 691-1340

1440

930

Maryland Historic Highway Bridges
 Bridge Type **CONCRETE BEAM**
 Map **BALTIMORE NW, C-13**
 County **BALTIMORE CITY**
 Bridge # and Name **BC6525, LOCH RAVEN ROAD OVER DWLANEY VALLEY BRANCH**

BA-3133



567
 142



Inventory # BA-3133

Name 6525 - LOCH RAVEN RD OVER LOCH RAVEN BRANCH

County/State BALTIMORE CITY MD

Name of Photographer DAVE DIENL

Date 1/95

Location of Negative SHA

Description NORTH ELEVATION LOOKING
SOUTHWEST

Number 1 of 254



Inventory # BA-3133

Name 6525-LOCH RAVEN RD OVER LOCH RAVEN BRANCH

County/State BALTIMORE CITY / MD

Name of Photographer DAVE DIEHL

Date 1/95

Location of Negative SHA

Description SOUTH ELEVATION LOOKING
NORTHEAST

Number 2 of 25⁴



Inventory # BA-3133

Name 6525 LOCH RAVEN RD OVER LOCH RAVEN BRANCH

County/State BALTIMORE CITY / MD

Name of Photographer DAVE DIEHL

Date 1/95

Location of Negative SWA

Description WEST APPROACH LOOKING

EAST

Number 3 of 4
12 of 25



Inventory # BA-3133

Name 6525- LOCH RAVEN RD OVER LOCH RAVEN BRANCH

County/State BALTIMORE CITY/MD

Name of Photographer DAVE DIEHL

Date 1/95

Location of Negative SHA

Description EAST APPROACH LOOKING
WEST

Number 4 of 25