

Maryland Historical Trust

Maryland Inventory of Historic Properties number: HO-657

Name: River Rd over Gockelburn 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 bridge received the following determination of eligibility.

MARYLAND HISTORICAL TRUST	
Eligibility Recommended <u>X</u>	Eligibility Not Recommended _____
Criteria: <u>A</u> <u>B</u> <u>X</u> <u>C</u> <u>D</u>	Considerations: <u>A</u> <u>B</u> <u>C</u> <u>D</u> <u>E</u> <u>F</u> <u>G</u> <u>None</u>
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-657

Name and SHA No. River Road over Rockburn Branch/HO6

Location:

Street/Road Name and Number: River Road

City/Town: Elkridge Vicinity x

County: Howard

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 HO6 carries River Road over Rockburn Branch in Howard County, Maryland. River Road runs in a generally east-west direction at this location; Rockburn Branch runs generally north-south. The bridge is located in a wooded rural area, which is part of Patapsco Valley State Park. There are no structures visible from the bridge.

Describe Superstructure and Substructure: The superstructure of HO6 is a single span steel beam bridge, with a span length of 26' and a total length of 28.5'. HO6 has a corrugated metal deck with bituminous overlay on the roadway and standard W-beam guard rails on both sides of the bridge and along the northern approach. The substructure is stone masonry abutments and wing walls, with matching stone corner posts on all four ends of the bridge.

Discuss Major Alterations: The only major alteration made to the bridge was the replacement of the original stone parapet with a W-beam guard rail. The exact date of this replacement is uncertain. The only other work that has been done to the bridge has consisted of routine cleaning and maintenance.

History:

When Built: estimated 1940

Why Built: local transportation needs and as part of a statewide road improvement program.

Who Built: State Roads Commission

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: Patapsco Valley State Park was founded in the early 1930's. It is likely that HO 6 was constructed to meet the need for a stronger and more stable structure to carry visitors to and from the park.

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 and alteration of the structure provided for a more stable route through Patapsco Valley State Park, however it 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: The ornamental stone masonry corner posts, coupled with the fact that HO 6 is currently in good condition and has had little repair work or modifications made to it in its life, make it a significant example of its type.

Does the bridge retain integrity of the important elements described in the Context Addendum: The rolled I-beams are considered primary character defining elements. According to the 1995 inspection report they are in fair condition and have never been repaired or replaced. The same can be said for the corrugated metal bridge deck, which is considered a secondary character defining element.

Stone masonry abutments and wing walls are considered a primary character defining element. The abutments have not been significantly altered in the past 55 years either. Only routine maintenance has been performed on them.

The stone masonry parapet would be considered an ornamental feature. Applied ornamentation is an important character defining element. This parapet was removed in order to install a modern W-beam guard rail for safety reasons. The parapet was designed to match the stone abutments and did not serve a major structural purpose, but rather was a decorative feature.

Except for the replacement of the stone parapet with a W-beam guard rail, the superstructure and substructure both retain integrity of the important character defining elements described in the Context Addendum.

Is the bridge a significant example of the work of the manufacturer, designer, and/or engineer and why: The structure could be considered a typical example of a steel beam bridge of the early 20th century, but the addition of the ornamental stone masonry corner posts causes the bridge to be regarded as a significant example of the designer and/or engineer, although that person or company is unknown.

Should this bridge be given further study before significance analysis is made and why: Yes, this structure should be given further study for several reasons. One is that it has ornamental stone masonry corner posts designed to match the stone masonry abutments. Secondly, it is an excellent example of a steel beam bridge of the early 20th century that is still in good condition and retains most of its original structural elements. Lastly, this structure is located in Patapsco Valley State Park, which was founded in the early 1930's, and may have a direct relationship to the development of this park as a major recreation

facility of the area.

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

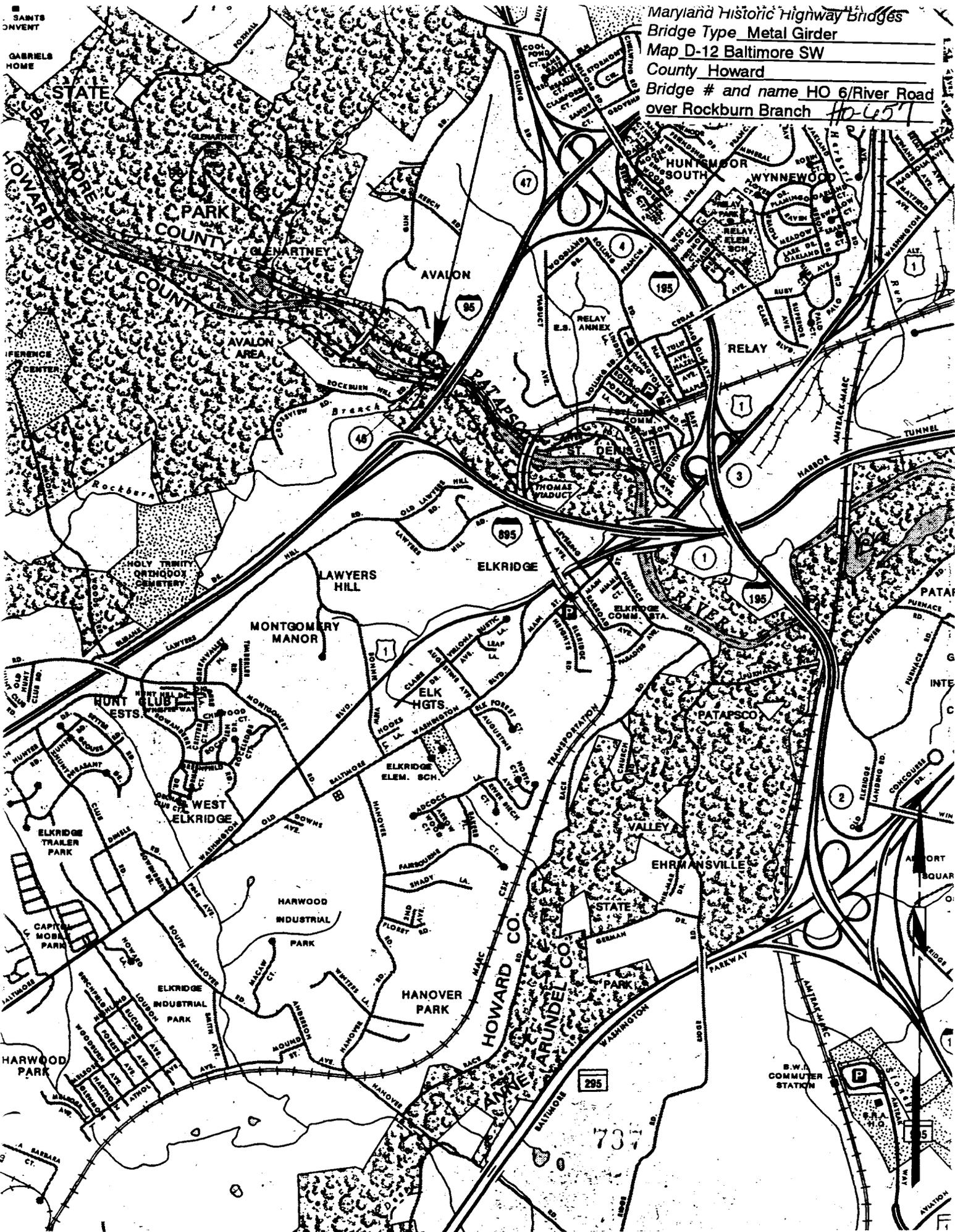
1957 7.5' Relay Quadrangle, photorevised 1966, 1974.

Surveyor:**Name:** Stephanie L. Bandy **Date:** August 1995**Organization:** State Highway Admin. **Telephone:** (410) 321-2213**Address:** 2323 West Joppa Road Brooklandville, MD 21022

SAINTS INVENT

GABRIELS HOME

Maryland Historic Highway Bridges
Bridge Type Metal Girder
Map D-12 Baltimore SW
County Howard
Bridge # and name HO 6/River Road
over Rockburn Branch #0-657



STATE
BALTIMORE COUNTY
HOWARD COUNTY

PARK
COURTNEY
AVALON
AVALON AREA
ROCKBURN BRANCH

HOLY TRINITY ORTHODOX CEMETERY
LAWYERS HILL
MONTGOMERY MANOR

HUNT CLUB ESTS.
WEST ELK RIDGE
ELK RIDGE TRAILER PARK
CAPTAIN MOBBE PARK

HARWOOD INDUSTRIAL PARK
ELK RIDGE INDUSTRIAL PARK
HARWOOD PARK

COOL POND CT
CLAYBORN CT
SANDY CT
OYSTERS CT
ST BRITTON RD
HUNTINGBOR
WYNEWOOD

RELAY ANNEX E.S.
RELAY
PATAPSCO

ELK RIDGE
LAWYERS HILL
MONTGOMERY MANOR
ELK RIDGE ELEM. SCH.

ELK RIDGE
VALLEY
EHRMANSVILLE

HANOVER PARK
HOWARD CO.
ARUNDEL CO.

RELAY ANNEX E.S.
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PATAPSCO

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MONTGOMERY MANOR

ELK RIDGE
VALLEY
EHRMANSVILLE

HANOVER PARK
HOWARD CO.
ARUNDEL CO.

B.W. COMMUTER STATION

737

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Inventory # H0-657

Name HOW-RIVER ROAD OVER ROCKBURN BRANCH

County/State HOWARD / MD

Name of Photographer DAVID DIEHL

Date 2/95

Location of Negative SHA

Description WEST APPROACH

Number ¹33 of ⁴36

10-24 (10-24) (10-24) (10-24)





Inventory # 40-657

Name HOW - RIVER RD OVER ROCKBURN BRANCH

County/State HOWARD / MD

Name of Photographer DAVID DIEHL

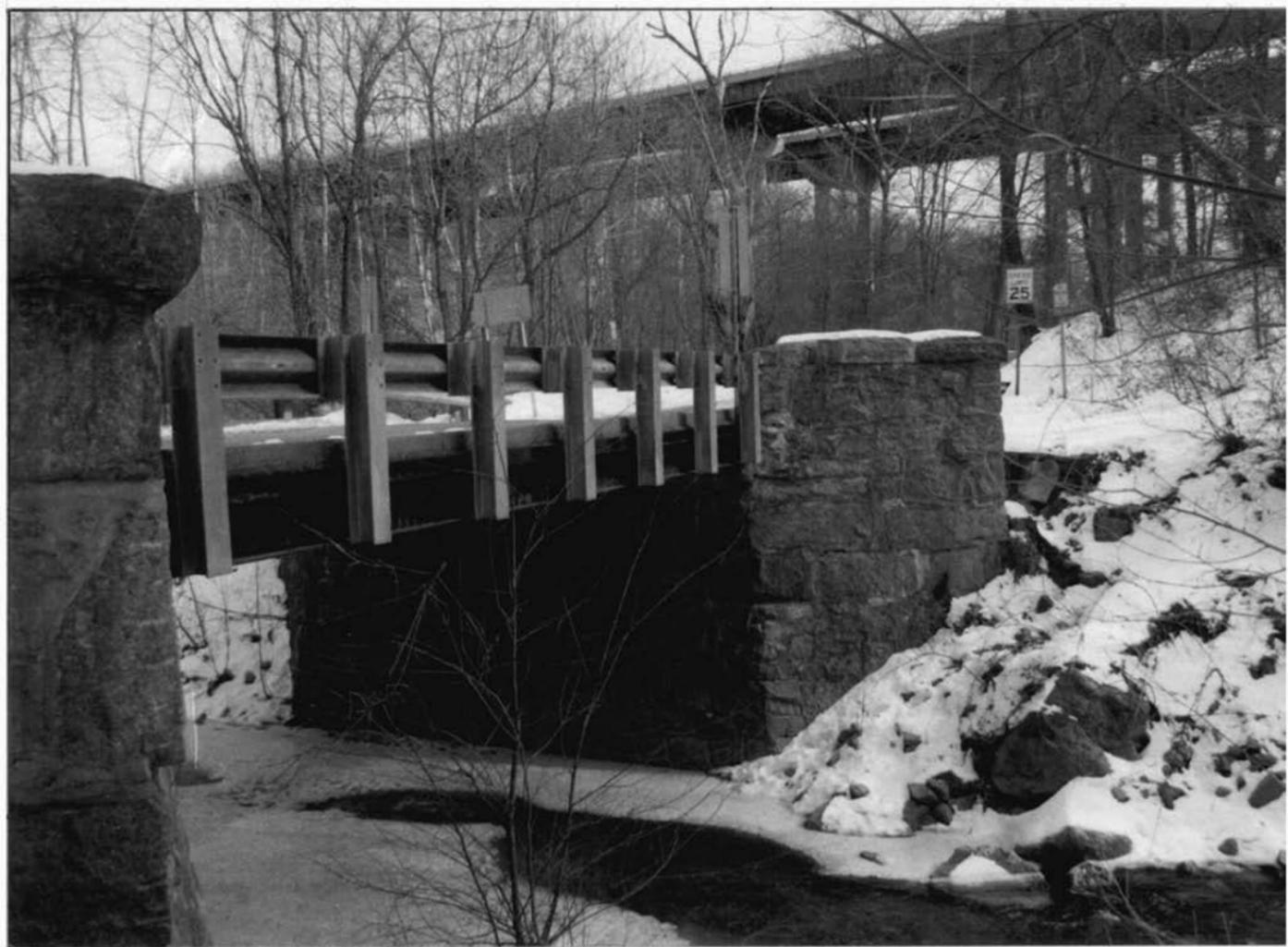
Date 2/95

Location of Negative SHA

Description NORTH ELEVATION

Number 3 of 4
35 of 36

FILED 80000000 90



Inventory # H0-657

Name H06- RIVER RD OVER ROCKBURD BRANCH

County/State HOWARD / MD

Name of Photographer DAVID DIEHL

Date 2/95

Location of Negative SHA

Description SOUTH ELEVATION

Number 4 of 4
30

Memo to file

December 8, 2015

From: Casey Pecoraro
Inventory Registrar

Re: HO-657
SHA Bridge HO-6

SHA Bridge HO-6 (variously formatted as HO6), carrying River Road over Rockburn Branch, was assigned inventory number HO-657 (without a leading zero). Howard County inventory numbers as assigned by Maryland Historical Trust do not incorporate or recognize leading zeros.

WHITMAN, REQUARDT & ASSOCIATES, LLP ENGINEERS & PLANNERS

SUBJECT: River Road over Rockburn Branch (Bridge No. HO-006)
MIHP No.: HO-0657 (HO-657) (406)
W.O. No.: 31760-008

INSPECTORS: GSC
 LEM
DATE: 9/11/14

PHOTO LOG

Location of Photos: N:\31607-001\Photos\1 Design\2014-09-11 Historic Documentation\TIF

Photo #	Description
HO-0657_2014-09-11_01	East approach to bridge (looking west)
HO-0657_2014-09-11_02	West approach to bridge (looking east)
HO-0657_2014-09-11_03	South elevation of bridge (looking north)
HO-0657_2014-09-11_04	North elevation of bridge (looking south)
HO-0657_2014-09-11_05	Patapsco River (looking upstream from Rockburn Branch)
HO-0657_2014-09-11_06	Patapsco River (looking north from Rockburn Branch)
HO-0657_2014-09-11_07	Patapsco River floodplain (looking downstream from Rockburn Branch)
HO-0657_2014-09-11_08	Northeast wing wall
HO-0657_2014-09-11_09	Northeast wing wall
HO-0657_2014-09-11_10	Northwest wing wall
HO-0657_2014-09-11_11	Northwest wing wall
HO-0657_2014-09-11_12	East abutment
HO-0657_2014-09-11_13	West abutment
HO-0657_2014-09-11_14	Southeast wing wall
HO-0657_2014-09-11_15	Southeast wing wall
HO-0657_2014-09-11_16	Southwest wing wall
HO-0657_2014-09-11_17	Southwest wing wall
HO-0657_2014-09-11_18	Typical mortar joint detail (north end of east abutment shown)
HO-0657_2014-09-11_19	Typical mortar joint detail (north end of west abutment shown)
HO-0657_2014-09-11_20	Deck underside at midspan of Bay No. 1
HO-0657_2014-09-11_21	Deck underside at midspan of Bay No. 3
HO-0657_2014-09-11_22	East abutment beam seat under Bay Nos. 1 - 3
HO-0657_2014-09-11_23	East abutment beam seat under Bay Nos. 4 - 6
HO-0657_2014-09-11_24	East abutment beam seat under Bay Nos. 6 - 8
HO-0657_2014-09-11_25	West abutment beam seat under Bay Nos. 1 - 4
HO-0657_2014-09-11_26	West abutment beam seat under Bay Nos. 5 - 8
HO-0657_2014-09-11_27	North bridge rail at west end
HO-0657_2014-09-11_28	South bridge rail at west end

WHITMAN, REQUARDT & ASSOCIATES, LLP ENGINEERS & PLANNERS

SUBJECT: River Road over Rockburn Branch (Bridge No. HO-006)
MIHP No.: HO-0657 (HO-657) (406)
W.O. No.: 31760-008

INSPECTORS: GSC
LEM
DATE: 9/11/14

PHOTO LOG

Location of Photos: N:\31607-001\Photos\1 Design\2014-09-11 Historic Documentation\TIF

Photo #	Description
HO-0657_2014-09-11_29	Northeast wing wall extension
HO-0657_2014-09-11_30	Northwest wing wall extension
HO-0657_2014-09-11_31	Southwest wing wall extension
HO-0657_2014-09-11_32	Southeast wing wall extension
HO-0657_2014-09-11_33	Northeast wing wall (from roadway)
HO-0657_2014-09-11_34	Northwest wing wall (from roadway)
HO-0657_2014-09-11_35	Southwest wing wall (from roadway)
HO-0657_2014-09-11_36	Southeast wing wall (from roadway)
HO-0657_2014-09-11_37	Northeast wing wall capstone
HO-0657_2014-09-11_38	Northwest wing wall capstone
HO-0657_2014-09-11_39	Southwest wing wall capstone
HO-0657_2014-09-11_40	Southeast wing wall capstone
HO-0657_2014-09-11_41	North bridge rail
HO-0657_2014-09-11_42	South bridge rail
HO-0657_2014-09-11_43	South bridge rail Post No. 4 (looking down at midspan)
HO-0657_2014-09-11_44	Rockburn Branch (looking upstream from bridge)
HO-0657_2014-09-11_45	Rockburn Branch (looking downstream from bridge)

Notes:

1. Bridge elements are numbered from the north and west.
2. All photos printed in black and white using ink and paper combination consisting of Hewlett-Packard (HP) 90 dye-based inkset and HP Premium Photo Paper, Soft Gloss.



ALL
SPEED LIMIT
25

HO-~~0~~657

River Road Over Rockburn Branch

Howard County, Md.

L. Murphy, G. Cole

9/11/2014

East approach to bridge (looking west)

1/45

Rockburn Hill

A black and white photograph of a narrow, tree-lined road. The road is paved and runs through a dense forest. On the left side, there is a metal guardrail. A signpost with a sign that reads "Rockburn Hill" is visible on the left. On the right side, there is another metal guardrail and a small white sign with a black border. The road curves slightly to the right in the distance. The lighting is dappled, with sunlight filtering through the trees.

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River Road Over Rockburn Branch

Howard County, Md.

L. Murphy, G. Cole

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West Approach to bridge (looking east)

2/45



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River Road Over Rockburn Branch

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South Elevation of bridge (looking north)

3/45



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River Road Over Rockburn Branch
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North Elevation of bridge (looking south)

4/45



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River Road Over Rockburn Branch

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Patapsco River (looking upstream from
Rockburn Branch)

5/45



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River Road Over Rockburn Branch
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Patapsco River (looking north from
Rockburn Branch)

6/45



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Patapsco River floodplain (looking
downstream from Rockburn Branch)

7/45



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River Road Over Rockburn Branch

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Northeast wing wall

8/45



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Northeast wing wall

9/45



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Northwest wing wall

10/45



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Northwest wing wall

11/45



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River Road Over Rockburn Branch

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East Abutment

12/45



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West Abutment

13/45



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Southeast wing wall

14/45



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Southeast wing wall

15/45



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Southwest wing wall

16/45



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River Road Over Rockburn Branch

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Southwest wing wall

17/45



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River Road Over Rockburn Branch

Howard County, Md.

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Typical mortar joint detail (north end of
east abutment shown)

18/45



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River Road Over Rockburn Branch

Howard County, Md.

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Typical mortar joint detail (north end of
west abutment shown)

19/45



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River Road Over Rockburn Branch
Howard County, Md.

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Deck underside at midspan of Bay No. 1

20/45



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River Road Over Rockburn Branch
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Deck underside at midspan of Bay No. 3

21/45



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River Road Over Rockburn Branch

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East abutment beam seat under Bay Nos. 1-3

22/45



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East abutment beam seat under Bay Nos. 4-6

23/45



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East abutment beam seat under Bay Nos. 6-8

24/45



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West abutment beam seat under Bay Nos. 1-4

25/45



HO-~~0~~657

River Road Over Rockburn Branch

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West abutment beam seat under Bay Nos. 5-8

26/45



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River Road Over Rockburn Branch

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North bridge rail at west end

27/45



H10-0657

River Road Over Rockburn Branch

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9/11/2014

South bridge rail at west end

28/45



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River Road Over Rockburn Branch

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Northeast wing wall extension

29/45



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River Road Over Rockburn Branch
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9/11/2014

Northwest wing wall extension

30/45



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River Road Over Rockburn Branch

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9/11/2014

Southwest wing wall extension

31/45



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River Road Over Rockburn Branch

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Southeast wing wall extension

32/45



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River Road Over Rockburn Branch
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Northeast wing wall (from roadway)

33/45



HO - ϕ 657

River Road Over Rockburn Branch

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Northwest wing wall (from roadway)

34/45



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River Road Over Rockburn Branch
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9/11/2014

Southwest wing wall (from roadway)

35/45



HO-0057

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9/11/2014

Southeast wing wall (from roadway)

36/45



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River Road Over Rockburn Branch

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Northeast wing wall capstone

37/45



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Northwest wing wall capstone

38 / 45



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9/11/2014

Southwest wing wall capstone

39/45



HO-0657

River Road Over Rockburn Branch

Howard County, Md.

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9/11/2014

Southeast wing wall capstone

40/45



HO-φ657

River Road Over Rockburn Branch

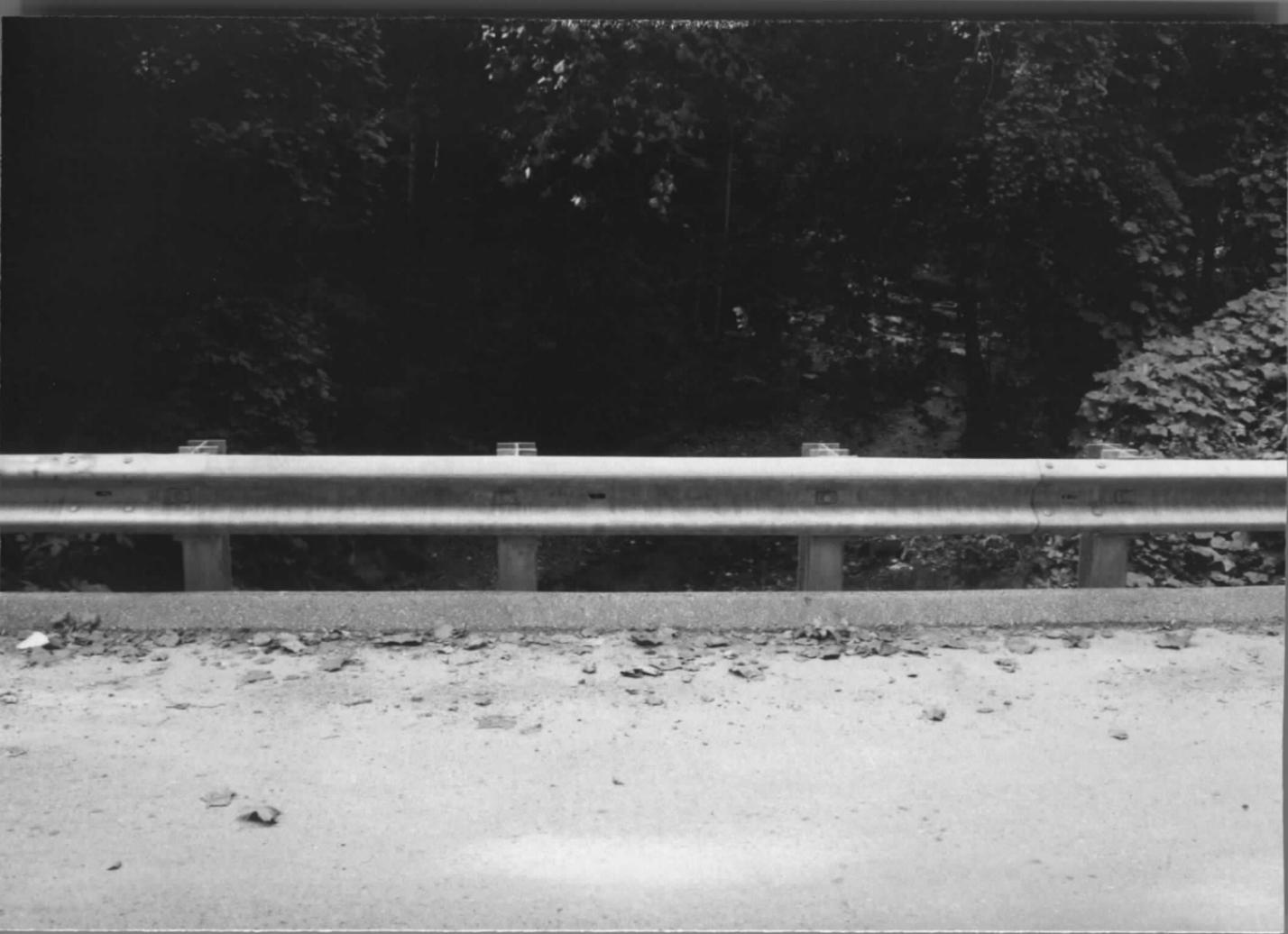
Howard County, Md.

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North bridge rail

41/45



HO-0657

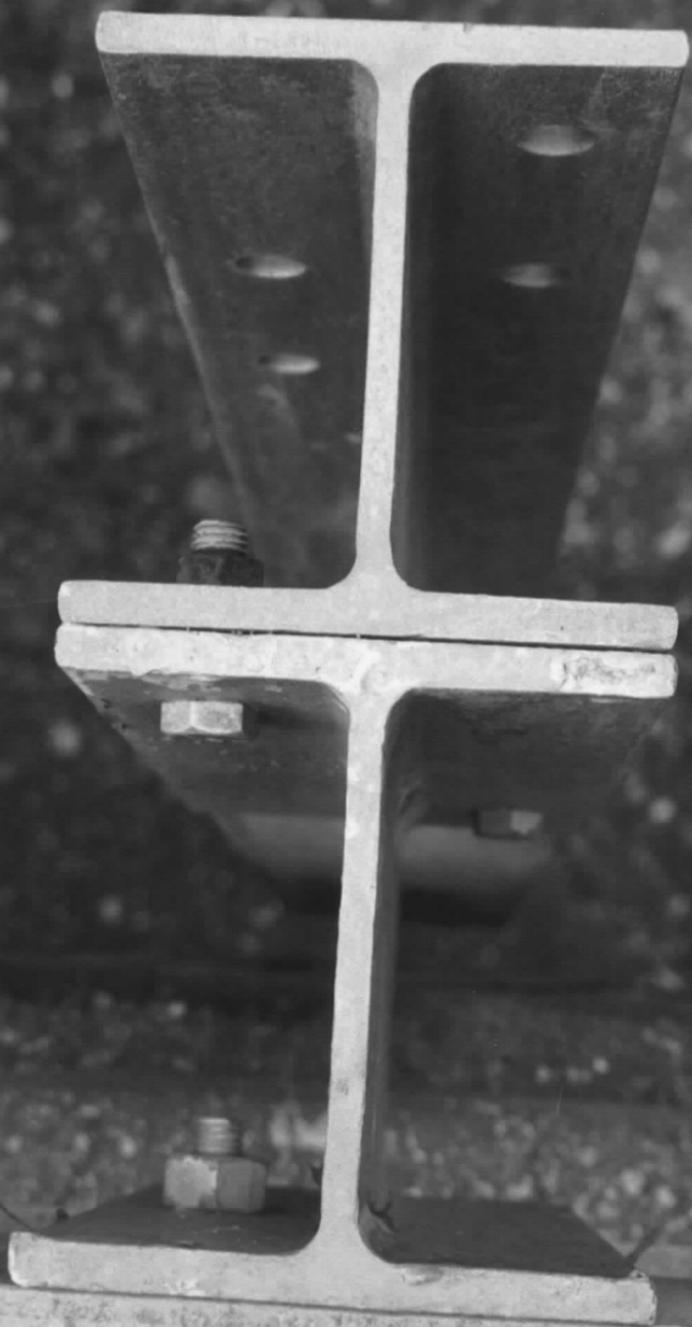
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South bridge rail

42/45



HO-φ657

River Road Over Rockburn Branch

Howard County, Md.

L. Murphy , G. Cole

9/11/2014

South bridge rail Post No. 4 (looking
down at midspan)

43/45



HO-φ657

River Road Over Rockburn Branch

Howard County, Md.

L. Murphy, G. Cole

9/11/2014

Rockburn Branch (looking upstream
from bridge)

44/45



HQ-0657

River Road Over Rockburn Branch

Howard County, Md.

L. Murphy, G. Cole

9/11/2014

Rockburn Branch (looking downstream
from bridge)

45/45