

Maryland Historical Trust

Maryland Inventory of Historic Properties number: G-IV-A-274

Name: MD 39 over Little Yonghiesburg 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>

Maryland Inventory of Historic Properties
Historic Bridge Inventory
Maryland State Highway Administration
Maryland Historical Trust

MHT Number G-IV-A-274

SHA Bridge No. 11003 Name: MD 39 over Little Youghioghney River

Location:

Street/Road Name and Number: MD 39 (Hutton Oakland Road)

City/Town: Oakland Vicinity _____

County: Garrett

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 Oakland 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

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 _____

Describe Setting:

Bridge 11003 carries MD 39 over the Little Youghiogheny River in Garrett County. MD 39 runs northeast and southwest over the eastern flowing Little Youghiogheny River. The bridge is in the town of Oakland. The bridge is located within the National Register Historic District of Oakland.

Describe Superstructure and Substructure

Bridge 11003 is a single-span filled concrete arch bridge. The length of the bridge is 54 feet with a clear span of 51 feet. The bridge has a rise of 12 feet from springline to the crown. The spandrel walls are approximately 8 feet high and 4 feet wide. There is a clear roadway width of 24 feet, with an overall bridge width of 27 feet 4 inches. The bridge has concrete wingwalls that are approximately 8 feet high and 6 feet wide. The northeast wingwall has a large spall that measures 3 feet by 2 feet by 4 inches. There are rusted reinforcement bars exposed near the spall and the surrounding area is severely delaminated with heavy efflorescence. The northwest wingwall has been repaired with pneumatically applied mortar. The southwest wingwall has a large 1-foot by 1-foot by 1-inch spall and some delamination. All wingwalls have a few diagonal cracks with light efflorescence. The concrete arch ring has a large spall 15 feet in length and 1 ½-feet in width and 3 to 6 inches deep. The spall has exposed reinforcement bars and the surrounding area is severely delaminated. A few areas of rusted reinforcement bars are visible close to the center. According to a 1997 inspection report, the bridge is in fair condition with a sufficiency rating of 49.9.

Bridge 11003 does not retain its original parapets. The bridge has concrete curbs with modified traffic barriers or guardrails. The guardrails are attached to steel posts. The steel posts are attached to a concrete cap that extends across the bridge.

Discuss Major Alterations:

At an unknown date the original parapets were replaced with guardrails.

When Built: circa 1921

Why Built: Unknown

Who Built: State Roads Commission

Who Designed: State Roads Commission

Why Altered: Parapets were unsafe and deteriorated.

Was this bridge built as part of an organized bridge building campaign? It is unknown why the original bridge was built.

Surveyor Analysis:

This bridge may have NR significance for association with:

- A Events Person
 C Engineering/Architectural

The bridge is not eligible for the National Register of Historic Places. It has had its parapets replaced and is in poor structural condition.

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

Research has estimated that the date of construction was approximately 1921. It is unknown whether this bridge was built as part of a widening project, or to replace a damaged pre-existing structure. There is little information on the history of this structure.

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

Yes, the bridge is located in the Oakland National Register Historic District. The district recognizes the town's importance during Garrett County's transportation and industrial expansion. The residential areas and the railroad facilities are considered good examples of nineteenth and early-twentieth century architecture. Although the construction date of this bridge is estimated at 1921 and the bridge is located within the historic district, it does not appear to be a contributing element to the district. The bridge does not contribute to the historic district primarily because it does not retain integrity of its CDEs, but neither does it detract from the district.

Is the bridge a significant example of its type?

No, this bridge has had its parapets replaced and the remaining elements are in poor condition. Repairs have been made to the arch ring, the wingwalls, and the spandrel walls for delamination, spalling and rebar exposure.

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

No, this bridge does not retain integrity of the character defining elements of a concrete arch bridge. The original parapets have been replaced; the spandrel walls and their wingwalls are in a deteriorated condition as well as the arch ring. This bridge has lost integrity due to the condition of its elements.

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

No, this bridge is not a significant example of the work of a manufacturer, designer, or engineer.

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

No, the bridge should not be given further study.

Bibliography:

County inspection/bridge files _____ SHA inspection/bridge files X

Other (list):

Johnson, Arthur Newhall

1899 *The Present Condition of Maryland Highways. In Report on the Highways of Maryland.* Maryland Geological Survey, The Johns Hopkins University Press, Baltimore.

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

1995 *Historic Highway Bridges in Maryland: 1631-1960: Historic Context Report.* Maryland State Highway Administration, Maryland State Department of Transportation, Baltimore, Maryland.

Tyrrell, H. Grattan

1909 *Concrete Bridges and Culverts for Both Railroads and Highways.* The Myron C. Clark Publishing Company, Chicago and New York.

SURVEYOR:

Date bridge recorded December 1997

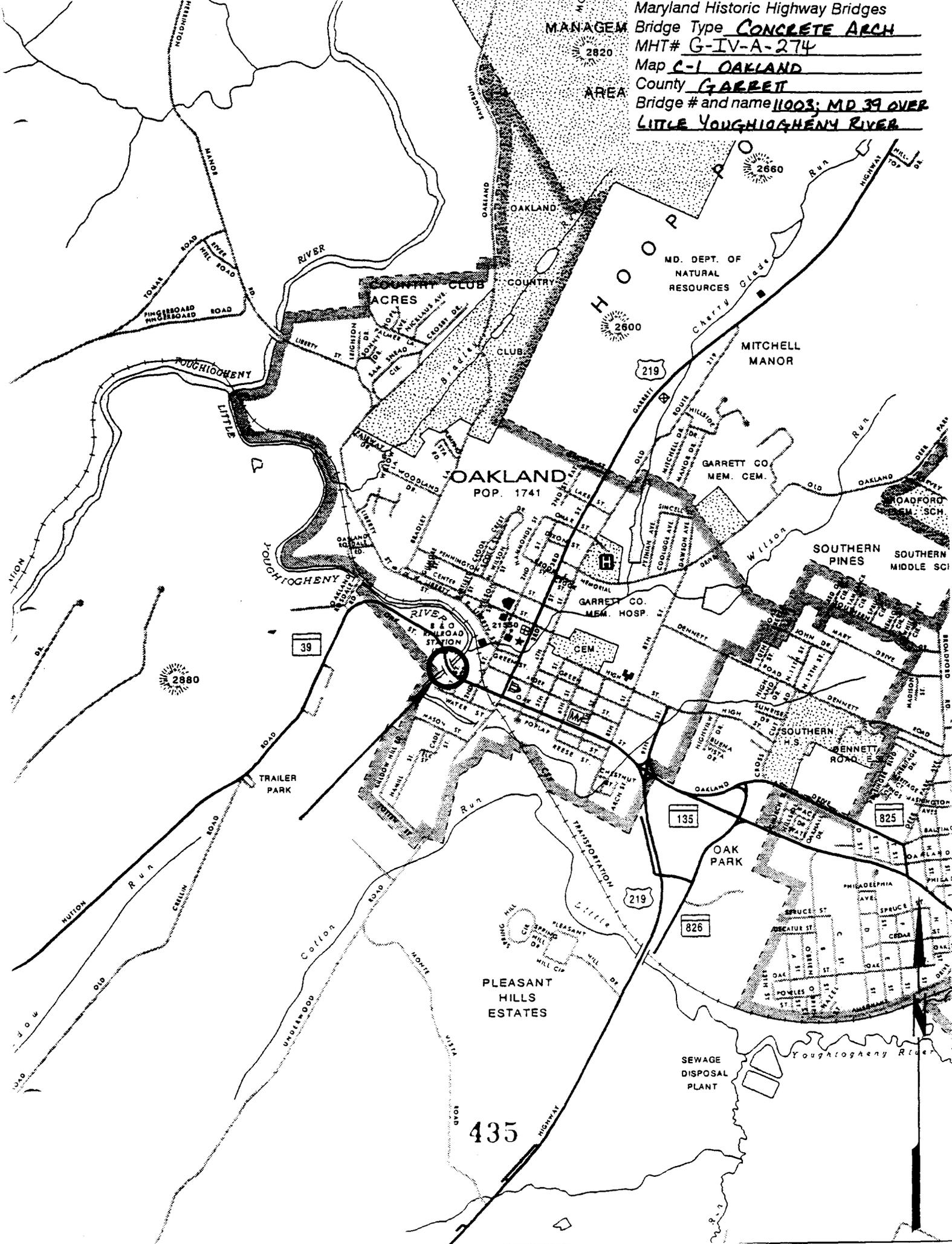
Name of surveyor Wallace, Montgomery & Associates / PAC Spero & Company

Organization/Address P.A.C. Spero & Co., 40 W. Chesapeake Avenue, Baltimore, MD 21204

Phone number (410) 296-1635 _____ FAX number (410) 296-1670 _____

Revised by P.A.C. Spero & Company, April 1998

Maryland Historic Highway Bridges
 Bridge Type CONCRETE ARCH
 MHT# G-IV-A-274
 Map C-1 OAKLAND
 County GARRET
 Bridge # and name 11003; MD 39 OVER
LITTLE YOUGHIOGHENY RIVER



435



11003
Bl # ~~1011310~~ G-IV-A-274

NORTHWEST APPROACH



BR # ¹¹⁰⁰³ ~~1011310~~ G-IV-A-274

SOUTHEAST APPROACH



11003

G-IV-A-274

BR# ~~1011310~~

OVER LIPSE

GREEN CO. N.E.

SAVING

120105

54A

SOUTHWEST ELEVATION (UPSTREAM)

5 00 01



BR # ~~101310~~¹¹⁰⁰³ G-IV-A-27Y

FOR LITTLE YOUGHIOGHEEN RIVER
GARRETT CO. MD.

- AVAL

- 120/95

- SHA

NORTHEAST ELEVATION (DOWNSTREAM)

A 3/4