

Maryland Historical Trust

Maryland Inventory of Historic Properties Number: SM-617

Name: MD 238 over Burreoughs Run

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>

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

MHT Number SM-617

SHA Bridge No. 18018 Name: MD 238 over Burroughs Run

Location:

Street/Road Name and Number: MD 238 (Maddox Road)

City/Town: Maddox Vicinity X

County: St. Mary's

Ownership: X State County Municipal Other

This bridge projects over: Road Railway X Water Land

Is the bridge located within a designated district: yes X 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

X Concrete

 Concrete Arch Concrete Slab Concrete Beam

 Rigid Frame

 Other Type Name _____

Describe Setting:

Bridge 18018 carries MD 238 over Burroughs Run in St. Mary's County. MD 238 runs north-south over the western flowing Burroughs Run. The area immediately adjacent to the bridge has light residential development.

Describe Superstructure and Substructure:

Bridge 18018 is a single-span closed concrete arch bridge. The overall length of the bridge is 40 feet, with a clear span length of 24 feet. The spandrel wall has a 2-inch cove molding around the arch. The spandrel walls are approximately 5 feet high and 10 feet wide. The bridge has a rise of approximately 4 feet 3 inches from springline to the crown. There is a clear roadway width of 24 feet, with an overall width of 27 feet 2 inches. The bridge has its original concrete parapets. The arch has a few very fine longitudinal cracks with small spots of light efflorescence. The bituminous road surface has fine random cracks. There are 2 small patches on both the downstream and upstream sides of the bridge in the gutter area next to the parapets. The spandrel walls have spots of fine map cracking. There are a few scattered spots where there is light scaling of the concrete. According to a 1995 inspection report, the bridge is in satisfactory condition, with a sufficiency rating of 82.4.

This bridge has a pierced parapet that consists of vertical posts securely fastened by dowels to the structure, horizontal balustrades and solid panels filling the space between the posts and the railings. Bridge 18018 has a 12-to-1 expansion joint railing. The parapet is 2 feet 11 inches tall with a cap that is 1 foot by 4 feet 3 inches. The endblocks are 7 feet 10 inches in total length with a 5-foot by 1-foot incised panel on its exterior. The parapets have fine random cracks with light efflorescence. There are approximately 10 small popouts in the caps of the parapets.

Discuss Major Alterations:

There have been no major alterations to this structure.

When Built: 1929

Why Built: Expansion of road system in St. Mary's County

Who Built: Southern Maryland Construction Company, Baltimore MD

Who Designed: State Roads Commission

Why Altered: N/A.

Was this bridge built as part of an organized bridge building campaign? Yes, this bridge was built by the State Roads Commission as part of its lateral road development.

Surveyor Analysis:

This bridge may have NR significance for association with:

A Events **P**erson
 C Engineering/Architectural

This bridge was determined eligible by the Interagency Review Committee in June 1996.

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

The development of lateral roads within the state of Maryland was funded by a gas tax. One-and-one-half cents out of the total tax of 4 cents per gallon was set aside for the use by the counties for the construction of new lateral roads or those roads connecting with or feeding into a main highway. The continued expansion and improvement of the road between Maddox and the surrounding county qualified for lateral road funds. Bridge 18018 replaced a pre-existing structure on the same alignment. The 10-foot double concrete slab bridge was removed.

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?

No, this bridge is not located in an area that is eligible for historic designation.

Is the bridge a significant example of its type?

Yes, this bridge is a significant example of its type. This bridge represents an unusual design for the State Roads Commission. Although the Commission did not have standardized plans for arches, this bridge does not follow the patterns set by the Commission in the previous years. There appears to be a slight hump designed into the structure. Bridge 18018 is a significant example of the design flexibility the State Roads Commissioners and the contractors had when constructing concrete arches.

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

Yes, this bridge does retain integrity of its character defining elements, including its arch ribs, spandrel walls, parapets, abutments, and wingwalls.

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

No this bridge should not be given further study.

Bibliography:

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

Other (list):

Surveyor:

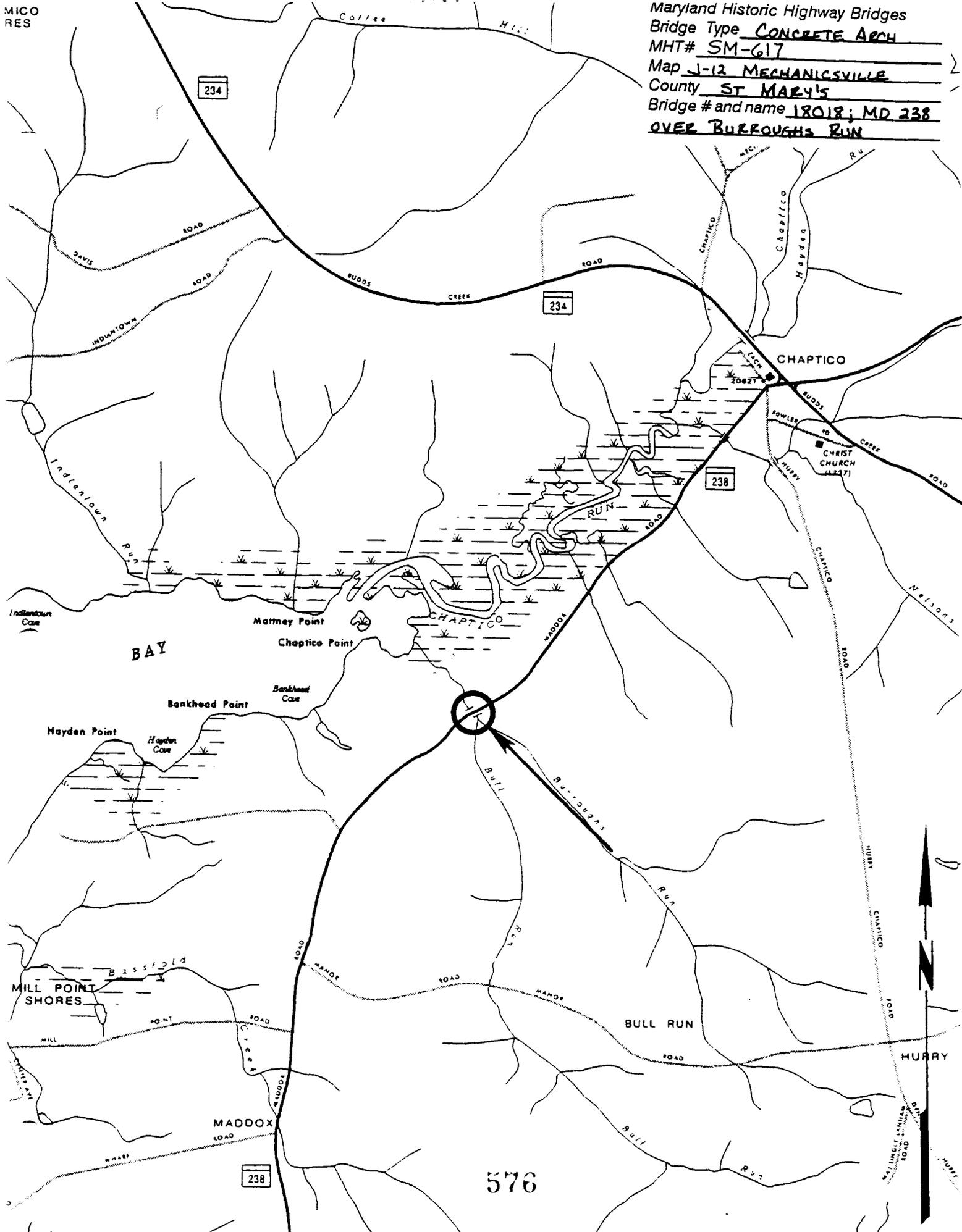
Name: Stacie Y. Webb **Date:** January 1996

Organization: State Highway Admin. **Telephone:** (410) 545-8559

Address: 707 N. Calvert Street, Baltimore, Maryland

Edited by P.A.C. Spero & Company, December 1997

Maryland Historic Highway Bridges
Bridge Type CONCRETE ARCH
MHT# SM-617
Map J-12 MECHANICSVILLE
County ST MARY'S
Bridge # and name 18018; MD 238
OVER BURROUGHS RUN



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SM-617

1 OF 5

ST MARYS COUNTY

D. BAUMIK

2-1-95

MARYLAND SHPO SITE

MD 238 OVER BURROUGHS RUN

LOOKING SOUTH ON MD 238

(BRIDGE 13018)



SM-617

ST MARYS COUNTY

D. BAUMIK

2-1-95

MARYLAND SHPO STA

MD 238 OVER BURROUGHS RUN

LOOKING WEST (UPSTREAM FACE)

(BRIDGE 18018)



SM-617

3 OF 5

ST MARYS COUNTY

D. BHAMIR

2-1-95

MARYLAND SHPO SHP

MD 238 OVER BURROUGHS RUN

LOOKING NORTH ON MD 238

(BRIDGE 18018)



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ST MARYS COUNTY

D. BAUMIK

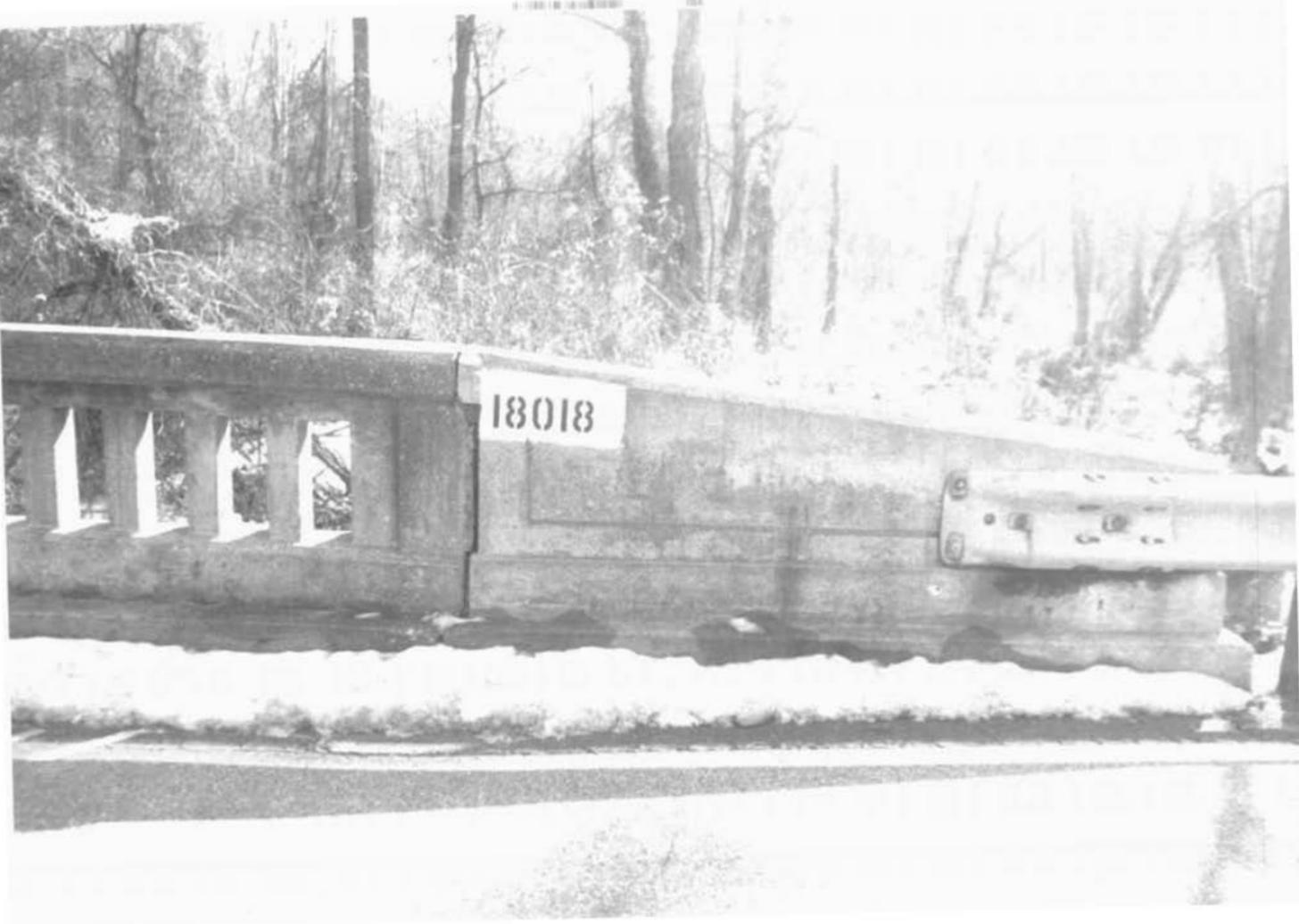
2-1-95

MARYLAND SHPO Site

MD 238 OVER BURROUGHS RUN

LOOKING EAST (DOWNSTREAM FACE)

(BRIDGE 18013)



18018

SM-6017

ST MARYS COUNTY

D. BHANUMIK

2-1-95

MARYLAND SHPO *Site A*

MD 238 OVER BURROUGHS RUN

VIEW OF PARAPET END TRANSITION
(BRIDGE 18013)