Maryland Historical Trust MIHP#

Maryland Inventory of Historic Properties number: MPK 03 M:37-12

Name: PARK VALLEY RD. OVER SLIGO CREEK

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 __X____

Criteria: ____A ____B ____C ____D Considerations: ___A ___B ___C ___D ___E ___F ___G __None

Comments:_____

_____

_____

Reviewer, OPS:_Anne E. Bruder_____ Date:__3 April 2001____

Reviewer, NR Program:__Peter E. Kurtze_____ Date:__3 April 2001____

MARYLAND INVENTORY OF HISTORIC PROPERTIES **MHT NO. M:37-12**
HISTORIC BRIDGE INVENTORY
MARYLAND STATE HIGHWAY ADMINISTRATION
MARYLAND HISTORICAL TRUST

NAME AND SHA NO.: M-PK-03

LOCATION
Road Name and Number: Park Valley Road over Sligo Creek
City/Town: Silver Spring X vicinity
County: Montgomery

Ownership: _ State _ County X Municipal _ Other

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

Is bridge located within 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 Bridge

__ Metal Truss Bridge

__ Moveable Bridge
__ Swing __ Bascule Single Leaf __ Bascule Multiple Leaf
__ Vertical Lift __ Retractile __ 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 X Concrete Beam _ Rigid Frame
_ Other Type Name ___

DESCRIPTION

Describe the Setting:

Located within the Piedmont physiographic section of eastern Montgomery County, Bridge M-PK-03 carries Park Valley Road over Sligo Creek near Silver Spring. The rolling landscape possesses scattered residential buildings standing amidst mature trees.

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

Bridge M-PK-03 consists of a single, concrete-beam span ornamented with masonry veneer exhibiting a segmental keystone arch. Concrete abutments and wing walls have been similarly veneered with stone. The bridge's six concrete T-beams, obscured in photographs by the masonry veneer, cross 30 feet of waterway and support 20 feet of clear roadway topped by an asphalt wearing surface. A five foot wide concrete sidewalk occupies the downstream, or southern side of the bridge. The bridge balustrades also have been ornamented with stone veneer and feature flared approaches. County bridge files do not indicate the method of application used in attaching the masonry veneer to the concrete beam span or its abutments, wing walls and balustrades.

The condition of the bridge's superstructure has recently been described as poor. The stone-veneered parapets feature cracks and voids in the mortar. All of the bridge's girders possess major longitudinal and transverse cracking with associated efflorescence. The girders also display spalled concrete and exposed stirrup reinforcing bars. The northwest parapet has shifted approximately four inches due to an automobile collision. The sidewalk is heavily spalled with associated exposed re-steel and has settled four inches. Reports also describe the bridge substructure's condition as fair although heavy cracks and efflorescence were noted on the breast walls.

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:

County inspection reports do not record any major alterations undertaken on Bridge M-PK-03.

HISTORY

When Built: 1931
Why Built: Part of Sligo Parkway.
Who Built: Unknown
Who Designed: Unknown
Why Altered: Not applicable.
Was this bridge built as part of an organized bridge building campaign?: Yes.

The applied stone veneer provides the bridge with a rich ornamental finish not often seen on individual bridges. Construction of the bridge probably relates to the building of the Sligo Creek Parkway during the late 1920s and early 1930s.

SURVEYOR ANALYSIS

This bridge may have NR significance for association with:

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

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

Construction of Bridge M-PK-03 probably relates to the proliferation of scenic parkways during the early twentieth century.

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 M-PK-03 did not have a significant impact on local 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, Bridge M-PK-03 is not located in an area potentially eligible for historic designation.

Is the bridge a significant example of its type?

No, this bridge is not a significant example of its type.

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

Despite some deterioration, Bridge M-PK-03 appears to retain fair integrity of its character defining elements.

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

County 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 firm as well as any relationships with completion of the Sligo Creek Parkway.

BIBLIOGRAPHY

Montgomery County Department of Transportation
Bridge Inspection Reports. On file at 101 Monroe Street, Rockville, MD.

Spero, P.A.C., & Company, and Louis Berger & Associates, Inc.
1994 *Historic Bridges in Maryland: Historic Context Report*. Maryland State Highway Administration, Baltimore.

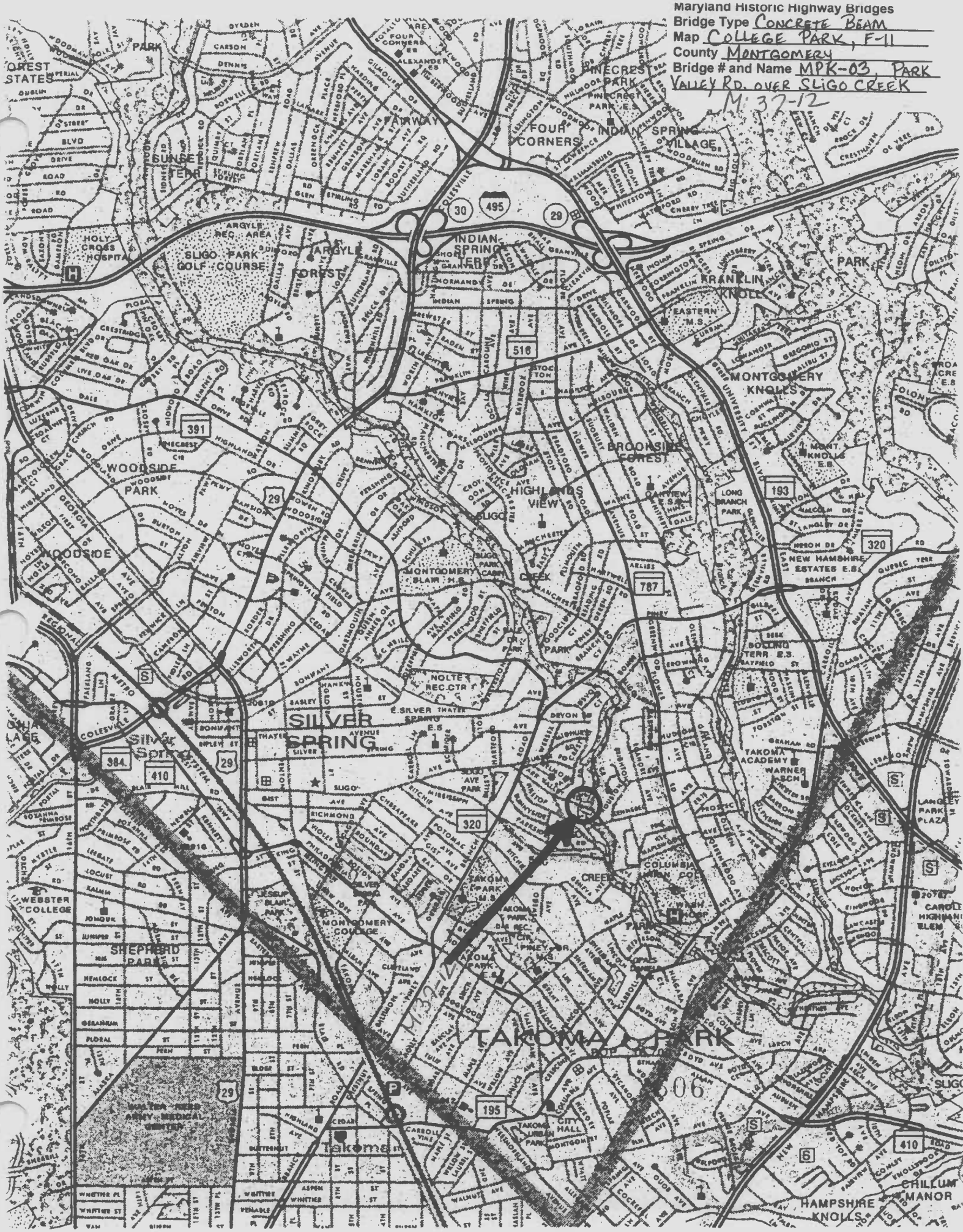
State Roads Commission of Maryland
1958 *A History of Road Building in Maryland*. Baltimore.

SURVEYOR INFORMATION

Name: Stuart Paul Dixon **Date:** 13 May 1996
Organization: KCI Technologies, Inc. **Telephone:** (717) 691-1340
Address: 5001 Louise Dr., Suite 201
Mechanicsburg, PA 17055

Maryland Historic Highway Bridges
Bridge Type CONCRETE BEAM
Map COLLEGE PARK, F-11
County MONTGOMERY
Bridge # and Name MPK-03, PARK VALLEY RD. OVER SLIGO CREEK

M-32-12




NO
TRUCKS
OVER

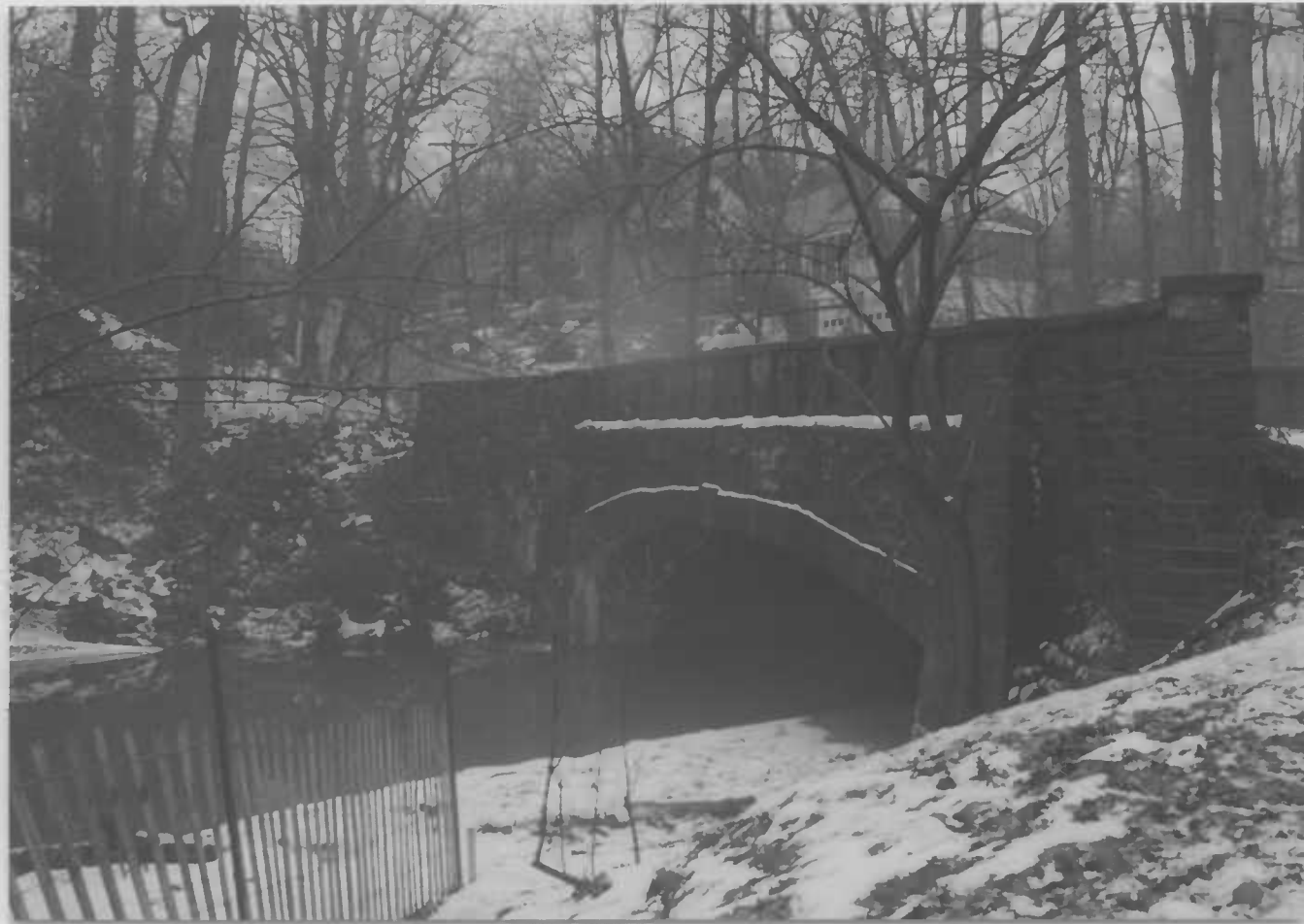
Inventory # M: 37-12

Name MPK3 - PARK VALLEY RD OVER SLIGO CREEK
County/State MONTGOMERY / MD
Name of Photographer FRANK JULIANO
Date 2/95

Location of Negative SHA

Description APPROACH WEST

Number 1 4 of ~~34~~



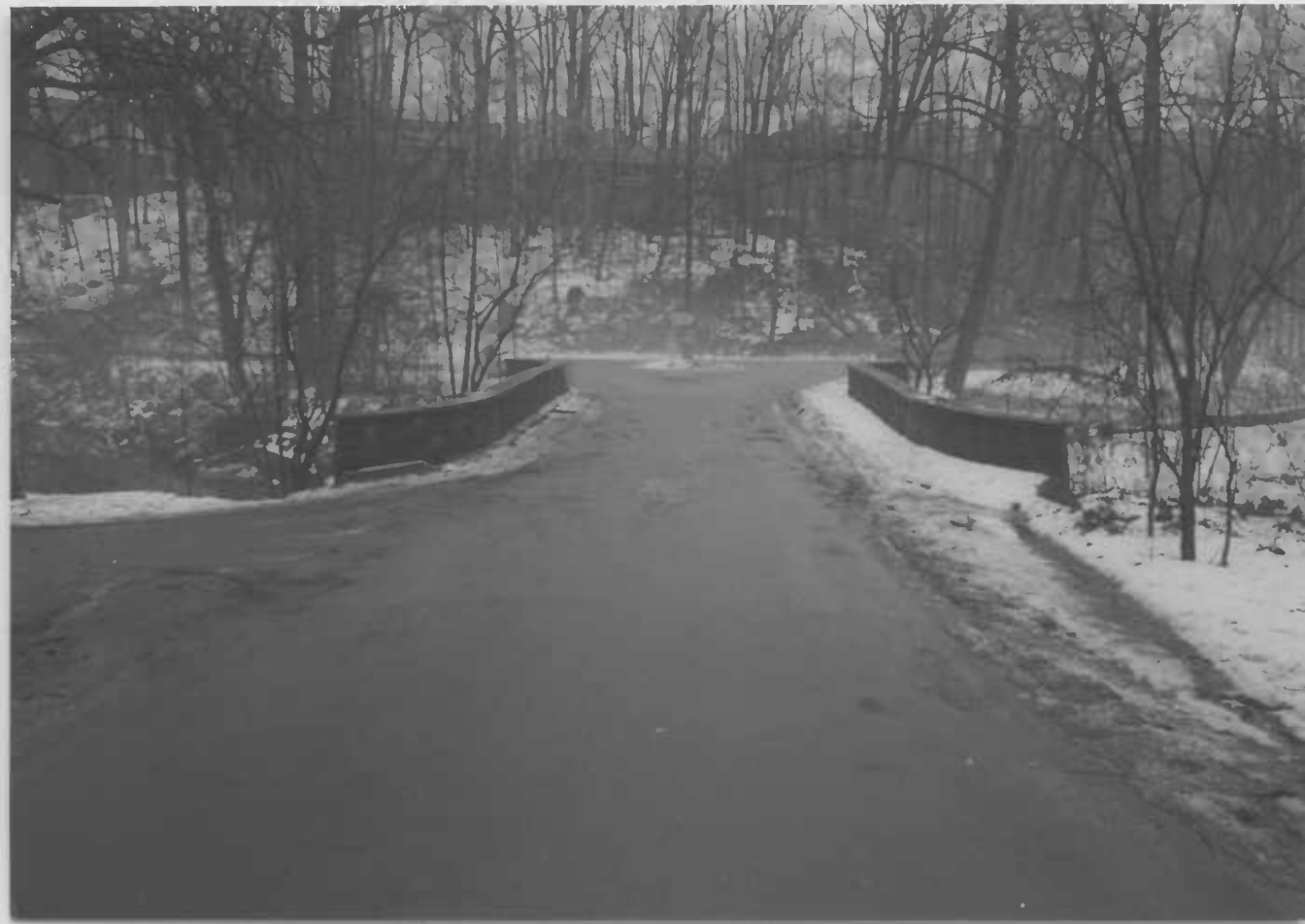
Inventory # M:37-12

Name MPK03 - PARKVALLEY RD OVER SLIGO CREEK
County/State MONTGOMERY / MD
Name of Photographer FRANK JULIANO
Date 2/95

Location of Negative SHA

Description ELEVATION NORTH

Number 2 of ~~19~~ 4



Inventory # M:37-12

Name MPK03 - PARKVALLEY RD OVER SLIGO CREEK

County/State MONTGOMERY / MD

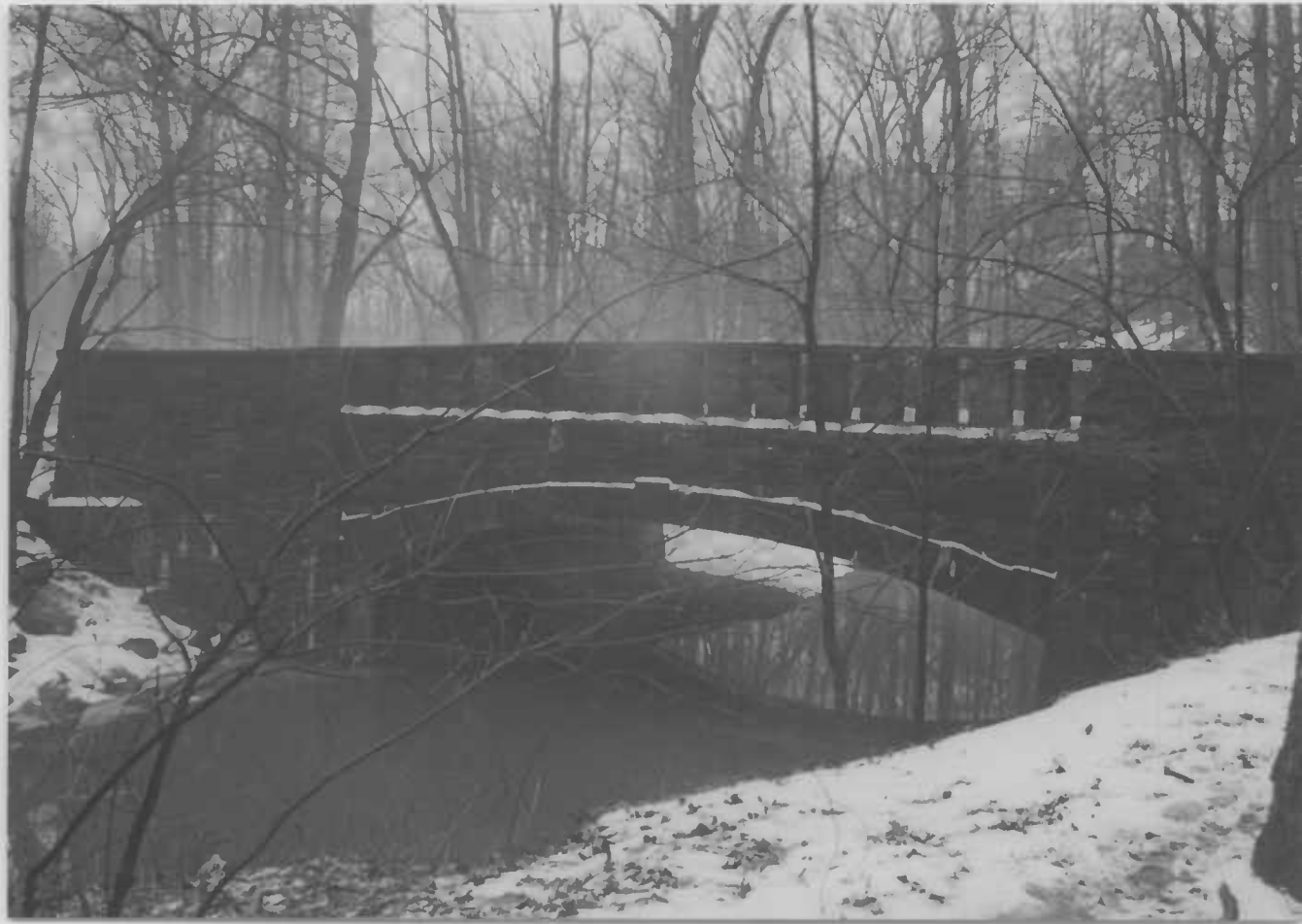
Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description APPROACH EAST

Number 3 of ~~4~~ 5



Inventory # M:37-12

Name MPK03 - PARK VALLEY RD OVER SH100 CREEK

County/State MONTGOMERY / MD

Name of Photographer FRANK JULIANO

Date 2/95

Location of Negative SHA

Description ELEVATION SOUTH

Number 4 ~~4~~ of ~~19~~ 4