Maryland Historical Trust

Maryland Inventory of Historic Properties number: CARR-1479

Name: McKINSTRY MILL RD. OVER LITTLE

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
Historic Bridge Inventory
Maryland State Highway Administration
Maryland Historical Trust

MHT Number CARR-1479

Name and SHA No. McKinstry Mill Road over Little Pipe Creek/CL236

Location:
Street/Road Name and Number: McKinstry Mill Road

City/Town: Linwood Vicinity __

County: Carroll

Ownership: __State x 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 __Retractile__Pontoon

x Metal Girder
x 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:CL236 carries McKinstry Mill Road over Little Pipe Creek in Carroll County, Maryland. McKinstry Mill Road runs north-south at this location; Little Pipe Creek flows generally east-west. The bridge is located in a rural small town setting with open fields to the east. There are 19th century commercial and residential structures to the west.

Describe Superstructure and Substructure:CL236 is a single span steel stringer bridge with a span length and a total bridge length of 38'. It has a non-composite unpaved concrete deck that bears directly on the abutments. There is a two steel strand pedestrian guardrail with five evenly spaced concrete posts along both sides of the deck. In front of the railing is a continuous W beam guardrail which extends out along the approaches.

The superstructure is supported by two stone masonry gravity abutments and wing walls. There is concrete facing on both of the abutments. There is slight degradation behind the concrete face of the left abutment, and some spalling at the water line of the right abutment. The downstream left wing wall is cracked and partially undermined. Dumped concrete has been used as rip rap/scour protection on both abutments.

Discuss Major Alterations: In 1972 the bridge was reconstructed and the entire superstructure (beams, floor system and deck) was replaced. The concrete facing on the abutments was added at this time as well.

History:
When Built:circa 1900
Why Built:to meet local transportation needs
Who Built:
Why Altered:to improve stability and to meet safety requirements
Was this bridge built as part of an organized bridge building campaign:

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: With a ca. 1900 construction date it is likely that CL236 was a replacement bridge for the original structure at this crossing. The small rural town of Linwood is accessed on the east by this bridge. Other than being a necessary replacement for this town, it is not likely that CL236 was built in response to any significant events in state or local history.

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 CL236 was likely to have provided an access into and out of the small town of Linwood, leading to the larger towns of Carroll County. The town may have developed in direct response to the construction of the bridge, or, more likely, the bridge was rebuilt to facilitate the residents 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: It is possible that there are structures within the town of Linwood which could be eligible for historic designation, either individually or as a group. If this were to occur however, CL236 would not add to or detract from the district.

Is the bridge a significant example of its type: While it is unique in the fact that the original stone masonry abutments date to circa 1900, CL236 is not a significant example of its type.

Does the bridge retain integrity of the important elements described in the Context Addendum: Rolled wide flange beams are considered primary character defining elements. The present beams were installed in 1972. The floor system and deck are considered secondary character defining elements. These were replaced in 1972 with the non-composite concrete deck and new steel supports. The concrete and steel rail guardrail was also added in 1972.

Stone masonry abutments are considered primary character defining elements. Concrete facing was applied to the original stone masonry abutments in 1972.

While the original stone masonry abutments and wing walls are visible they are in need of repairs. This, combined with the addition of the concrete facing and the superstructure replacement in 1972, raises doubts about the integrity of this bridge.

Is the bridge a significant example of the work of the manufacturer, designer, and/or engineer and why:CL236 could be considered a significant example of a bridge built to county specifications because of the somewhat decorative, yet functional concrete and steel pedestrian railing.

Should this bridge be given further study before significance analysis is made and why: No, further study is not warranted for CL236. While its superstructure construction is unique, it was installed in 1972, only 23 years ago, which makes it ineligible as an historic structure.

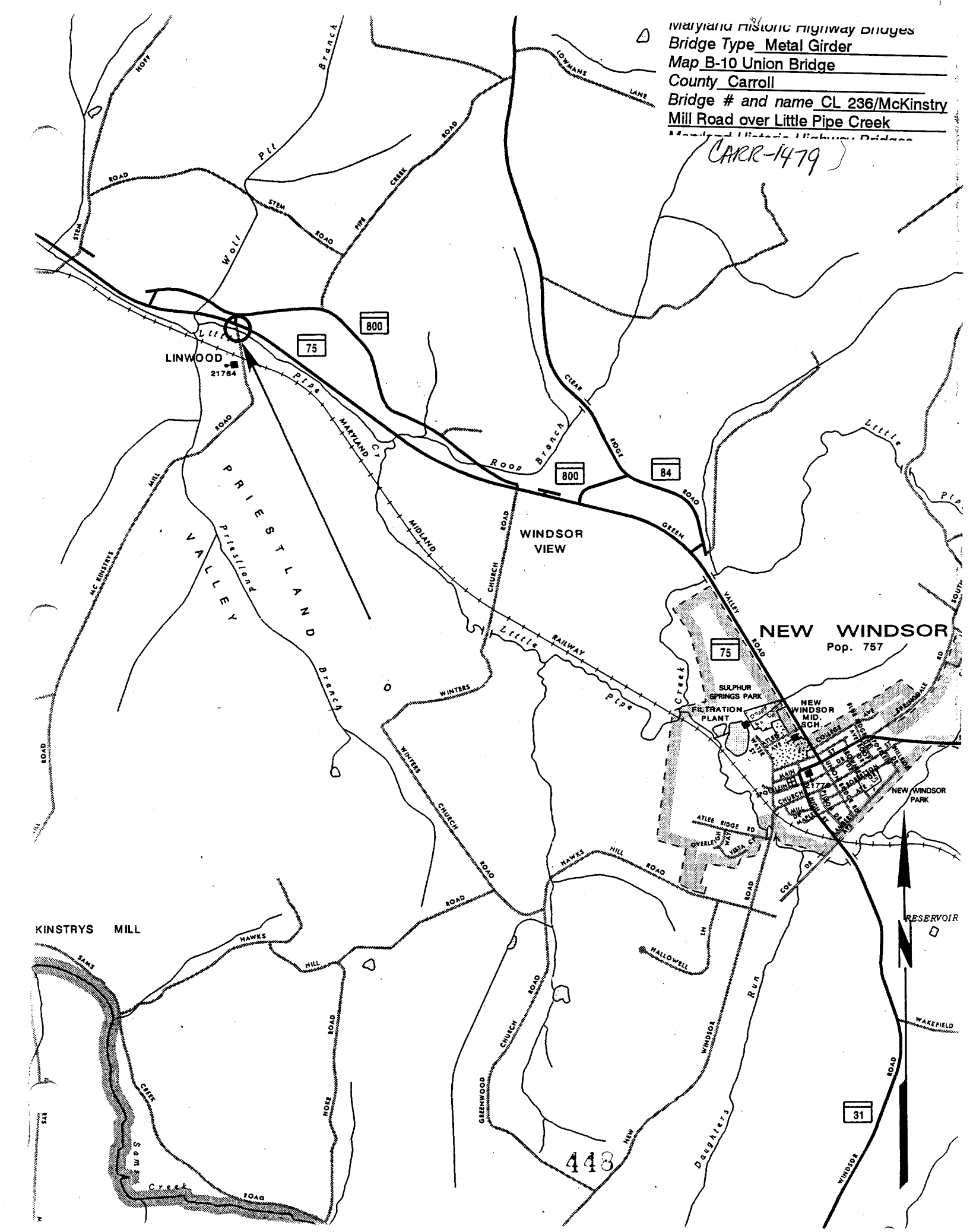
CARR-1479

Bibliography:

Carroll 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
1953 7.5' Union Bridge Quadrangle, photorevised 1971.

Surveyor:

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


Maryland Historic Highway Bridges
Bridge Type Metal Girder
Map B-10 Union Bridge
County Carroll
Bridge # and name CL 236/McKinstry
Mill Road over Little Pipe Creek
CARR-1479
LINWOOD
21784
75
800
84
WINDSOR VIEW
NEW WINDSOR
Pop. 757
SULPHUR SPRINGS PARK
FILTRATION PLANT
NEW WINDSOR MID. SCH.
NEW WINDSOR PARK
RESERVOIR
KINSTRYS MILL
PRIESTLAND VALLEY
Little Pipe Creek
Sam Creek
Daughters Run
31
448

Inventory # CARR-1479
CL236
Name Mckinstry Mill Rd. over Little Pipe Cr.
County/State Carroll Co. Md.
Name of Photographer D. Diehl
Date 2-95

Location of Negative SHA

Description east approach looking west

Number 14 of 324

Inventory #CARR-1479
CL236
Name McKinstry Mill Rd. over Little Pipe Creek
County/State Carroll Co. Md.
Name of Photographer D. Diehl
Date 2-95

Location of Negative SHA

Description south elevation looking northeast

Number 2 of 3

Inventory # CARR-1479
CL236
Name McKinstry Mill Rd. over Little Pipe Creek
County/State Carroll Co. Md.
Name of Photographer D. Diehl
Date 2-95

Location of Negative SHA

Description north elevation looking
southeast

Number 3 of 24

Inventory # CARR-1479

CL236

Name McKinstry Mill Rd. over Little Pipe Creek

County/State Carroll Co. Md.

Name of Photographer D. Diehl

Date 2-95

Location of Negative SHA

Description west approach looking east

Number 4 of 4