Maryland Historical Trust

Maryland Inventory of Historic Properties number: F-1-215

Name: DOUBS ROAD OVER TUSCARORA 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 Number F-1-215
Historic Bridge Inventory
Maryland State Highway Administration
Maryland Historical Trust

Name and SHA No. Doubs Road over Tuscarora Creek/F107

Location:
Street/Road Name and Number: Doubs Road

City/Town: Point of Rocks Vicinity x

County: Frederick

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:F107 carries Doubs Road over Tuscarora Creek in Frederick County, Maryland. Doubs Road runs east-west at this location; Tuscarora Creek flows north-south. The bridge is located in a rural setting with a 19th century farm complex and adjacent farmland in view.

Describe Superstructure and Substructure: The superstructure of F107 is a single span steel beam with a corrugated metal deck filled with 4" of bituminous wearing course. The span length, and total bridge length is 24'. The roadway is bounded by a steel beam on both sides. The substructure is stone masonry abutments encased in concrete.

Discuss Major Alterations: It is indicated in the county documentation that the bridge was rebuilt in 1950. A county engineer has explained that what probably occured at this time was installation of new steel beams and repairs to the wood deck. However, Frederick County does not keep information about their bridges dating to before 1980/81, so this information cannot be confirmed. Knowing that steel beams are replaced every 20-30 years and that boards on a wood deck rot an average of 5-10% per year, it is highly likely that this is in fact the case. In 1989, the abutments were encased in concrete to prevent further deterioration. The structure was rehabilitated in 1996, according to a county bridge engineer. At that time, new galvanized steel stringers and a new laminated treated wood deck were installed, a bituminous overlay was placed and concrete caps were installed on the abutments.

History:
When Built:estimated 1935
Why Built:local transportation needs
Who Built:
Why Altered:safety and structural improvements
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 _Person
_C Engineering/Architectural

F-1-215

Was this bridge constructed in response to significant events in Maryland or local history:no

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:no

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

Is the bridge a significant example of its type:no

Does the bridge retain integrity of the important elements described in the Context Addendum: Because of the 1950 replacement and the upcoming 1996 replacement, this structure does not retain its integrity.

Is the bridge a significant example of the work of the manufacturer, designer, and/or engineer and why:no

Should this bridge be given further study before significance analysis is made and why: No further study is warranted for F107.

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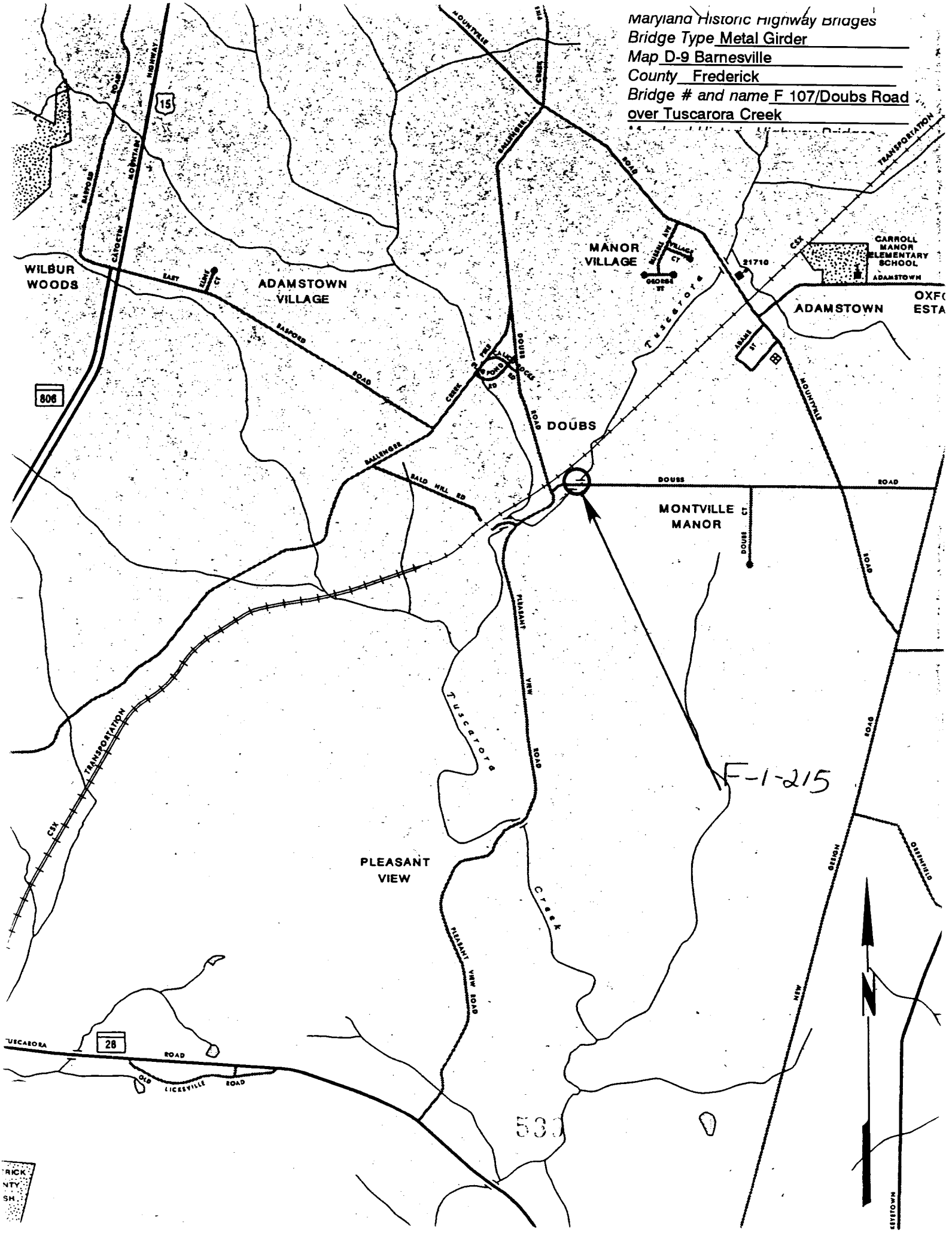
Bibliography:

Frederick 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
1952 7.5' Buckeystown Quadrangle, photorevised 1984.

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 D-9 Barnesville
County Frederick
Bridge # and name F 107/Doubs Road over Tuscarora Creek



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Inventory # F-1-215

Name F107- DOUBS RD OVER TUSCARORA CREEK
County/State FREDERICK COUNTY/MD
Name of Photographer FRANK JULIANO
Date 1/95

Location of Negative SHA

Description ELEVATION LOOKING NORTH

Number 1 13 of ~~36~~ 394

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Inventory # F-1-215

Name F107-DOUBS RD OVER TUSCARORA CREEK

County/State FREDERICK COUNTY / MD

Name of Photographer FRANK JULIANO

Date 1/95

Location of Negative SHA

Description ELEVATION LOOKING SOUTH

Number ~~14~~ 2 of ~~36~~ ~~34~~ 4

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Inventory # F-1-215

Name F107- DOUBS RD OVER TUSCARORA CREEK

County/State FREDERICK COUNTY / MD

Name of Photographer FRANK JULIANO

Date 1/95

Location of Negative SHA

Description WEST APPROACH

Number 3 ~~15~~ of ~~36~~ ~~34~~ 4

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Inventory # F-1-215

Name F107 - DOUBS RD OVER TUSCARORA CREEK

County/State FREDERICK COUNTY / MD

Name of Photographer FRANK JULIANO

Date 1/95

Location of Negative SHA

Description EAST APPROACH

Number ~~16~~ 4 of ~~36~~ ~~34~~ 4