

Maryland Historical Trust

Maryland Inventory of Historic Properties number: CA 22-1478

Name: OTTENDALE MILLS OVER BIG PIPE 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 <u>X</u>
Criteria: <u>A</u> <u>B</u> <u>X</u> <u>C</u> <u>D</u>	Considerations: <u>A</u> <u>B</u> <u>C</u> <u>D</u> <u>E</u> <u>F</u> <u>G</u> <u>None</u>
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>

James

Metal Suspension

Metal Arch

Metal Cantilever

Concrete

Concrete Arch Concrete Slab Concrete Beam

Rigid Frame

Other Type Name _____

Description:

Describe Setting: CL226 carries Otterdale Mill Road over Big Pipe Creek in Carroll County, Maryland. Otterdale Mill Road runs north-south at this location; Big Pipe Creek flows east-west. The bridge is located in a rural area, with surrounding open pasture land. Just to the south of the bridge is a 19th century farm house. Just to the east of the bridge is the Otterdale Mill complex, constructed ca. 1865-1868. The mill is listed on the Maryland Inventory of Historic Properties.

Describe Superstructure and Substructure: CL226 is a double span steel stringer bridge. Each span is 46' long, and the total bridge length is 96'. There is a concrete deck and wearing surface, with bituminous wearing surface on the approaches. The bridge has continuous W beam guardrails along both sides of the deck and on the approaches.

The superstructure is supported by two concrete gravity abutments and wing walls and one concrete solid shaft pier. Upstream of the southern abutment there is stone rip rap.

Discuss Major Alterations: In 1981/1982 the entire superstructure was replaced and the abutments and wing walls were reconstructed.

History:

When Built: estimated 1930

Why Built: local transportation needs

Who Built:

Why Altered: to improve structural stability and meet safety needs

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 B Person

C Engineering/Architectural

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

history: While it is probable that the original bridge over Big Pipe Creek was built in direct response to the construction of Otterdale Mill, construction of CL226 was not associated with 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 and alteration has not had a significant impact on the growth and development 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: The bridge is in the direct viewshed of the Otterdale Mill, listed on the Maryland Inventory. The bridge certainly does not add to the historic and visual character of the area, and it could in fact detract from the visual character of the mill complex; because of the modern style reconstruction of the bridge in 1981-82.

Is the bridge a significant example of its type: CL226 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. These beams were replaced in the 1981/1982 reconstruction episode. The floor system and deck are considered secondary character defining elements. The deck and floor system were also replaced in the reconstruction. The W beam guardrails were replaced at this time as well, and have been subsequently replaced.

The concrete abutments, wing walls and piers are considered primary character defining elements. These were extensively modified in 1981/1982 also. There is a date imprinted on the south east wing wall designating completion of the reconstruction in 1982. Imprints are considered a primary character defining element.

The major alterations made to CL226 in the past 14 years raise questions about the integrity of this structure.

Is the bridge a significant example of the work of the manufacturer, designer, and/or engineer and why: No, this bridge was built and reconstructed to standard county bridge specifications.

Should this bridge be given further study before significance analysis is made and why: No, further study is not warranted for CL226 because of the extensive reconstruction of the structure.

Bibliography:

Carroll County

v.d. Bridge Inspection Files.

Greiner, Inc.

1995 Historic Bridge Inventory Form.

Maryland Historical Trust

1993 Maryland Inventory of Historic Places.

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

1994 Historic Bridges in Maryland: Historic Bridge Context.

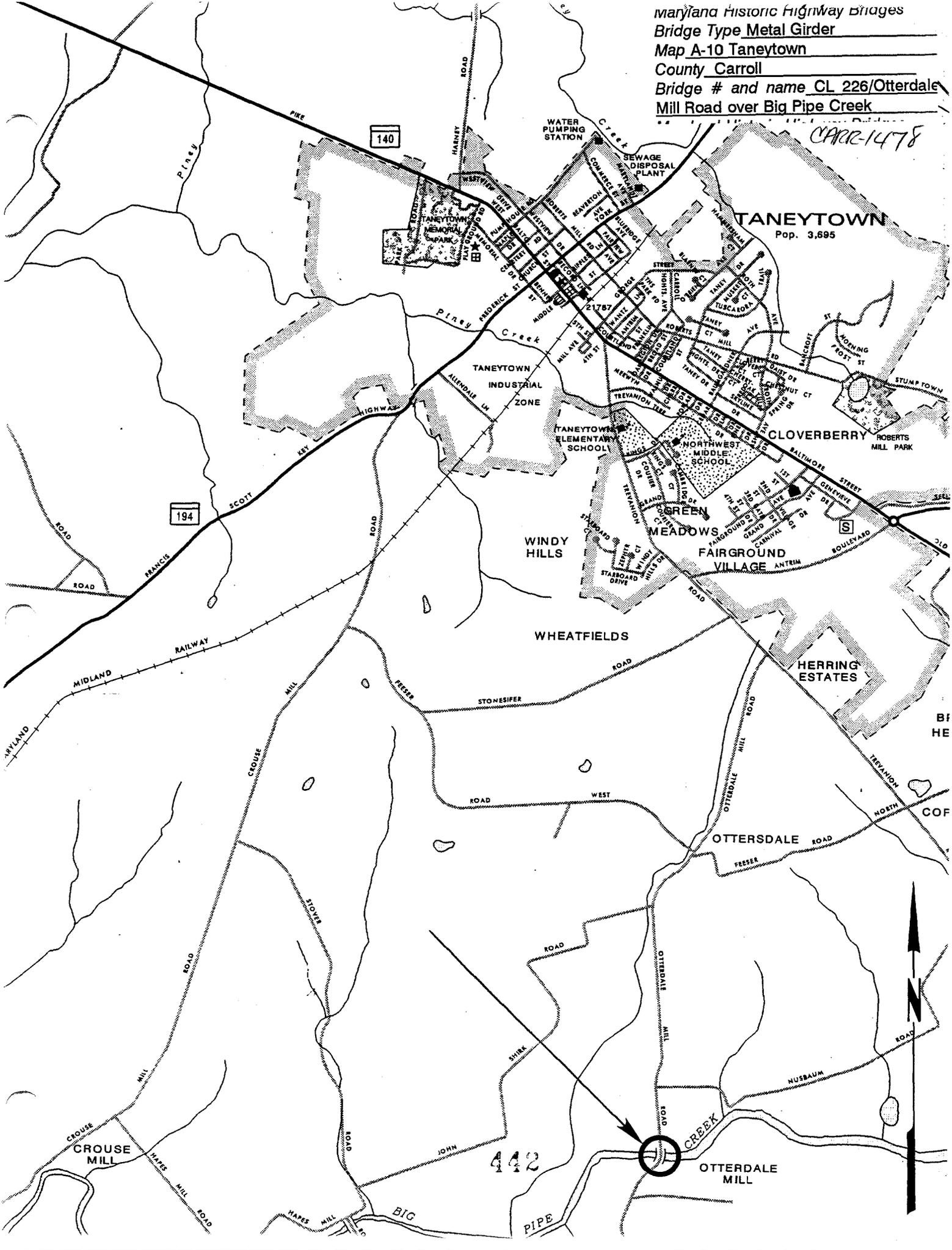
United States Geological Survey

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 A-10 Taneytown
County Carroll
Bridge # and name CL 226/Otterdale
Mill Road over Big Pipe Creek

CPARC-1478



442





WEIGHT
LIMIT
20 T
21 T
26 T

Inventory # CARR-1478

CL226

Name Otterdale Mill Rd. over Big Pipe Cr.

County/State Carroll Co. Md.

Name of Photographer D. Diehl

Date 2/95

Location of Negative SHA

Description South Approach looking North

Number 1 of 35

01.14.00



Inventory # CARR-1478

CL226
Name Otterdale Mill Rd. over Big Pipe Cr.

County/State Carroll Co. Md.

Name of Photographer D. Diehl

Date 2/95

Location of Negative SHA

Description east elevation looking north

Number 2 of 33⁵

01015



Inventory # CA R2-1478

CL226

Name Otterdale Mill Rd. over Big Pipe Creek

County/State Carroll Co. Md.

Name of Photographer D. Diehl

Date 2/95

Location of Negative SHA

Description west elevation looking east

Number 3 of 355

91 * 012P



Inventory # CARR-1478

CL226

Name Otterdale Mill Rd. over Big Pipe Creek

County/State Carroll Co. Md.

Name of Photographer D. Diehl

Date 2/95

Location of Negative SHA

Description old farm house near bridge
site.

Number 4 of 335

21*913P



Inventory # CARR-147B

CL226

Name Otterdale Mill Rd. over Big Pipe Cr.

County/State Carroll Co. Md.

Name of Photographer D. Diehl

Date 2/95

Location of Negative 517A

Description North approach looking south

Number 5 18 of 35 5

(81 * 01)P