

F-6-9

Harney Road Bridge
Emmitsburg
Public

C. 1890

Harney Road Bridge is a large late nineteenth century iron truss bridge which spans the Monocacy River in the extreme northwest corner of Frederick County.

The western most section of the bridge consists of three small pony pratt truss bridges each fifty-six feet in length with pinned connections which were built by the King Iron Bridge Company of Cleveland, Ohio.

The eastern section of the bridge is a large double intersection pratt through truss bridge one hundred ninety-five feet in length, possibly built by the Wrought Iron Bridge Company. The Poffenberger Road bridge is the only other double intersection pratt bridge located in Frederick County. Unusual large round rubble stone abutments with cast iron collars support the bridge.

INVENTORY FORM FOR STATE HISTORIC SITES SURVEY

1 NAME

HISTORIC Harney Road Bridge

AND/OR COMMON

2 LOCATION

STREET & NUMBER

Harney Road Across the Monocacy River

CITY, TOWN

Frederick

___ VICINITY OF

CONGRESSIONAL DISTRICT

6th

STATE

Maryland

COUNTY

Frederick

3 CLASSIFICATION

CATEGORY	OWNERSHIP	STATUS	PRESENT USE	
<input type="checkbox"/> DISTRICT	<input checked="" type="checkbox"/> PUBLIC	<input type="checkbox"/> OCCUPIED	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> MUSEUM
<input type="checkbox"/> BUILDING(S)	<input type="checkbox"/> PRIVATE	<input type="checkbox"/> UNOCCUPIED	<input type="checkbox"/> COMMERCIAL	<input type="checkbox"/> PARK
<input checked="" type="checkbox"/> STRUCTURE	<input type="checkbox"/> BOTH	<input type="checkbox"/> WORK IN PROGRESS	<input type="checkbox"/> EDUCATIONAL	<input type="checkbox"/> PRIVATE RESIDENCE
<input type="checkbox"/> SITE	PUBLIC ACQUISITION	ACCESSIBLE	<input type="checkbox"/> ENTERTAINMENT	<input type="checkbox"/> RELIGIOUS
<input type="checkbox"/> OBJECT	<input type="checkbox"/> IN PROCESS	<input type="checkbox"/> YES: RESTRICTED	<input type="checkbox"/> GOVERNMENT	<input type="checkbox"/> SCIENTIFIC
	<input type="checkbox"/> BEING CONSIDERED	<input checked="" type="checkbox"/> YES: UNRESTRICTED	<input type="checkbox"/> INDUSTRIAL	<input checked="" type="checkbox"/> TRANSPORTATION
		<input type="checkbox"/> NO	<input type="checkbox"/> MILITARY	<input type="checkbox"/> OTHER:

4 OWNER OF PROPERTY

NAME Frederick County Board of County Commissioners
c/o William Fout

Telephone #:

STREET & NUMBER

Montevue Lane

CITY, TOWN

Frederick

___ VICINITY OF

STATE, zip code

Maryland 21701

5 LOCATION OF LEGAL DESCRIPTION

COURTHOUSE, REGISTRY OF DEEDS, ETC. Frederick County Courthouse

Liber #:

Folio #:

STREET & NUMBER

North Court Street

CITY, TOWN

Frederick

STATE

Maryland 21701

6 REPRESENTATION IN EXISTING SURVEYS

TITLE

DATE

___ FEDERAL ___ STATE ___ COUNTY ___ LOCAL

DEPOSITORY FOR SURVEY RECORDS

CITY, TOWN

STATE

7 DESCRIPTION

F-6-9

CONDITION		CHECK ONE	CHECK ONE
<input type="checkbox"/> EXCELLENT	<input type="checkbox"/> DETERIORATED	<input checked="" type="checkbox"/> UNALTERED	<input checked="" type="checkbox"/> ORIGINAL SITE
<input type="checkbox"/> GOOD	<input type="checkbox"/> RUINS	<input type="checkbox"/> ALTERED	<input type="checkbox"/> MOVED DATE _____
<input checked="" type="checkbox"/> FAIR	<input type="checkbox"/> UNEXPOSED		

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

Harney Road Bridge is a large late nineteenth century iron truss bridge which spans the Monocacy River bridge at Harney Road in the extreme northwest corner of Frederick County.

The bridge consists of two types of truss structures which extend in four spans across the river and is a total length of 380 feet.

The western most section of the bridge consists of three small pony pratt truss bridges each 56 feet in length with pinned connections, wood plan flooring and replaced or missing guardrails. These bridges were built by the King Iron Bridge Company of Cleveland, Ohio as indicated by a broken plaque located on the west hip of the third span.

The second type of truss used in the bridge construction is a larger double intersection pratt through truss bridge 195 feet in length, not documented but possibly built by the Wrought Iron Bridge Company of Canton, Ohio. Only one other double intersection pratt bridge is located in Frederick County; the Poffenberger Bridge.

Walled coursed rubble stone approaches are located on either side of the structure. Unusual large round rubble stone abutments with cast iron collars support the bridge.

CONTINUE ON SEPARATE SHEET IF NECESSARY

PERIOD	AREAS OF SIGNIFICANCE -- CHECK AND JUSTIFY BELOW			
PREHISTORIC	<input type="checkbox"/> ARCHEOLOGY-PREHISTORIC	<input type="checkbox"/> COMMUNITY PLANNING	<input type="checkbox"/> LANDSCAPE ARCHITECTURE	<input type="checkbox"/> RELIGION
<input type="checkbox"/> 1400-1499	<input type="checkbox"/> ARCHEOLOGY-HISTORIC	<input type="checkbox"/> CONSERVATION	<input type="checkbox"/> LAW	<input type="checkbox"/> SCIENCE
<input type="checkbox"/> 1500-1599	<input type="checkbox"/> AGRICULTURE	<input type="checkbox"/> ECONOMICS	<input type="checkbox"/> LITERATURE	<input type="checkbox"/> SCULPTURE
<input type="checkbox"/> 1600-1699	<input type="checkbox"/> ARCHITECTURE	<input type="checkbox"/> EDUCATION	<input type="checkbox"/> MILITARY	<input type="checkbox"/> SOCIAL/HUMANITARIAN
<input type="checkbox"/> 1700-1799	<input type="checkbox"/> ART	<input type="checkbox"/> ENGINEERING	<input type="checkbox"/> MUSIC	<input type="checkbox"/> THEATER
<input type="checkbox"/> 1800-1899	<input type="checkbox"/> COMMERCE	<input type="checkbox"/> EXPLORATION/SETTLEMENT	<input type="checkbox"/> PHILOSOPHY	<input checked="" type="checkbox"/> TRANSPORTATION
<input checked="" type="checkbox"/> 1900-	<input type="checkbox"/> COMMUNICATIONS	<input checked="" type="checkbox"/> INDUSTRY	<input type="checkbox"/> POLITICS/GOVERNMENT	<input type="checkbox"/> OTHER (SPECIFY)
		<input type="checkbox"/> INVENTION		

SPECIFIC DATES _____ BUILDER/ARCHITECT King Iron Bridge Company

STATEMENT OF SIGNIFICANCE

The Harney Road Bridge is one of the most unusual iron truss bridges still standing in Frederick County because of the combination of pony pratt and double intersection pratt trusses.

The manufacturers of the pony pratt trusses, the King Iron Bridge And Manufacturing Company of Cleveland, Ohio began in 1858 assuming the King company name in 1871. Its founder, Zenas King had patented the Tubular Arch bridge in 1858 and built numerous arch and swing bridges in northern Ohio.

By 1874 over 2700 bridges had been built by the company.¹ Three "King" bridges are still in existance in Frederick County.

In 1854 the weekly Frederick Examiner announced that wrought iron was being used as a bridge material and proved to be stronger than the wood truss construction that had been in general use. At that time it was hoped that such an iron bridge would soon be constructed in Frederick County.

It appears from the Frederick County Commissioners Minutes that iron truss bridges became popular in the area during the 1870's. Records show that a variety of companies, including Groton Manufacturing Company Groton, New York; Wrought Iron Bridge Company, Canton, Ohio; King Iron Bridge Company, Cleveland, Ohio; and the Pittsburg Bridge Company, Pittsburgh, Pennsylvania, constructed bridges throughout the county. Iron truss bridges were an innovative step toward good bridge engineering design in the nineteenth century and were the pride of every community.

¹Dan Deibler, Metal Truss Bridges in Virginia, 1865-1932 Vol. I, p. 35

9 MAJOR BIBLIOGRAPHICAL REFERENCES

CONTINUE ON SEPARATE SHEET IF NECESSARY

10 GEOGRAPHICAL DATA

ACREAGE OF NOMINATED PROPERTY _____

VERBAL BOUNDARY DESCRIPTION

LIST ALL STATES AND COUNTIES FOR PROPERTIES OVERLAPPING STATE OR COUNTY BOUNDARIES

STATE COUNTY

STATE COUNTY

11 FORM PREPARED BY

NAME / TITLE Cherilyn Widell, Sites Analyst

ORGANIZATION
Frederick County Office of Historic PreservationDATE
6/19/78STREET & NUMBER
12 East Church St., Winchester HallTELEPHONE
663-8300

CITY OR TOWN

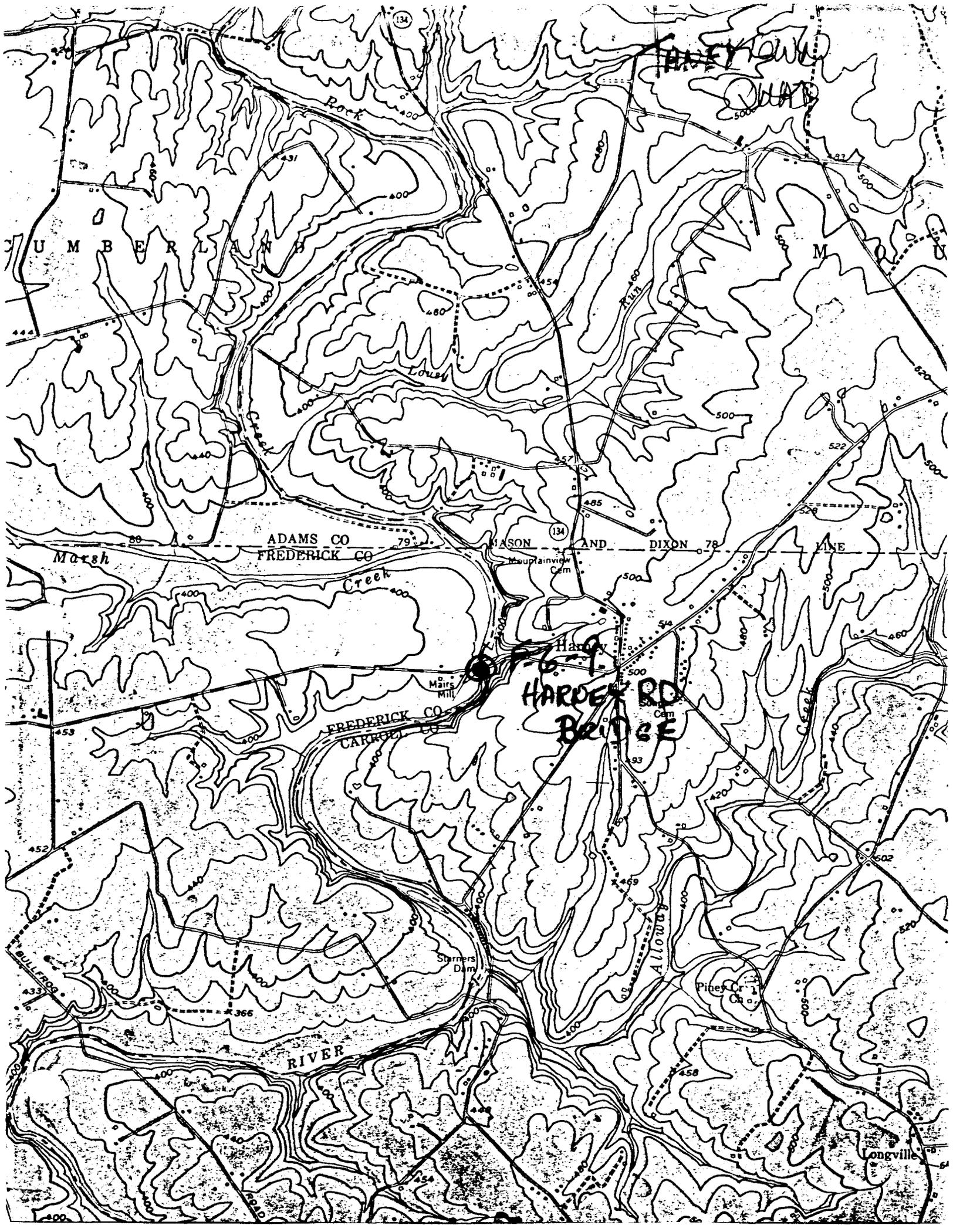
Frederick

STATE
Maryland 21701

The Maryland Historic Sites Inventory was officially created by an Act of the Maryland Legislature, to be found in the Annotated Code of Maryland, Article 41, Section 181 KA, 1974 Supplement.

The Survey and Inventory are being prepared for information and record purposes only and do not constitute any infringement of individual property rights.

RETURN TO: Maryland Historical Trust
The Shaw House, 21 State Circle
Annapolis, Maryland 21401
(301) 267-1438



CUMBERLAND

TANEY TOWN

DUB

ADAMS CO
FREDERICK CO

MASON AND DIXON LINE

HARDER RD
BRIDGE

RIVER

FREDERICK CO
CARRIAGE CO

Mills Mill

Styers Dam

Pines Cr. Ch.

Longville

134

Marsh

Rock

Lower

RAIN

ALLOWAY

U M B E R L A N D

M

Majorview Cem.

Cem

452

433

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431

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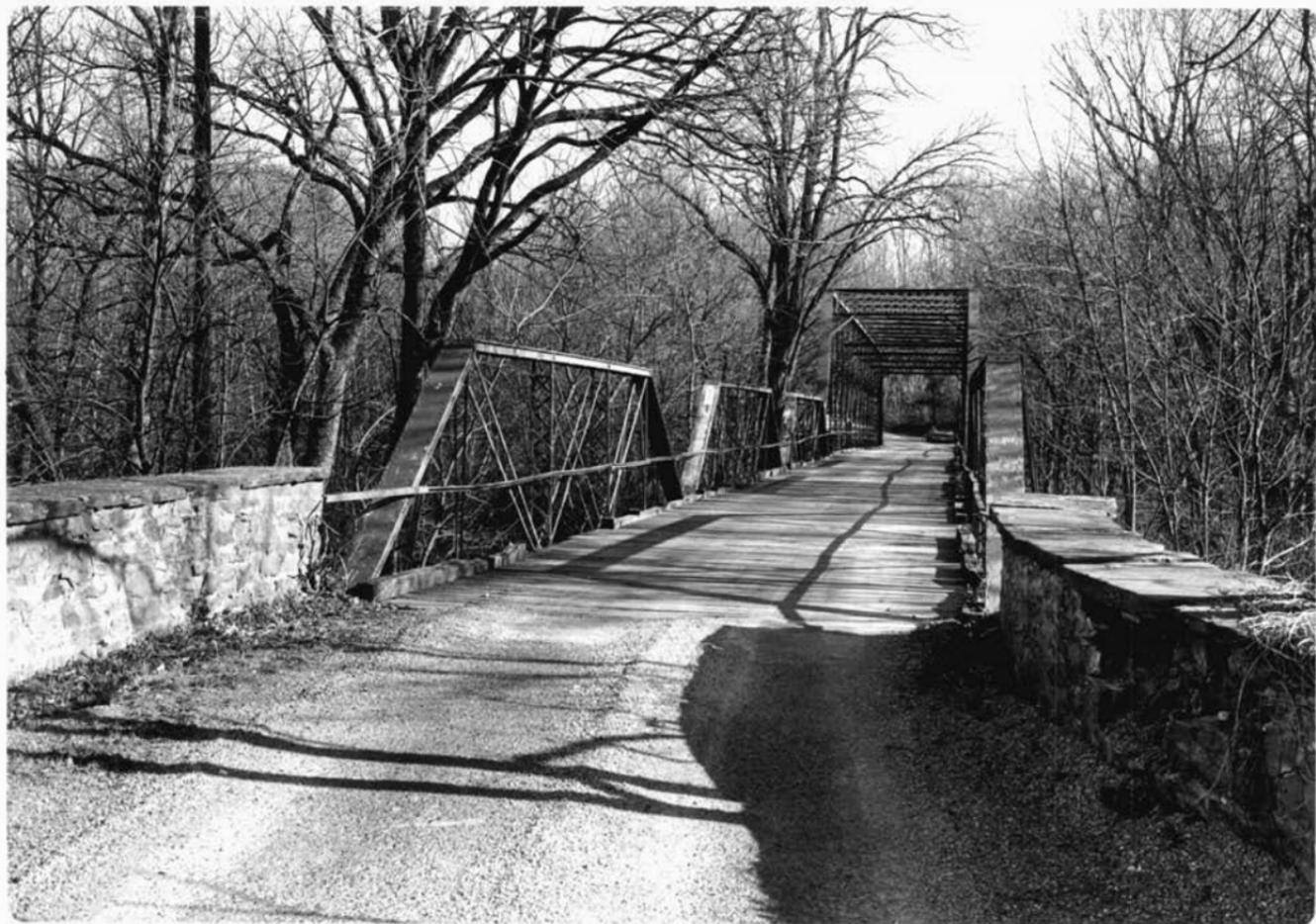
HARNEY ROAD BRIDGE

HARNEY ROAD ACROSS MONROE RIVER

CENTER OF BRIDGE

C.E.W. 2/78

F-6-9



HARNEY ROAD BRIDGE

HARNEY ROAD ACROSS MONOCACY RIVER

WEST APPROACH

CEW.

2/78

F-6-9