

# MADISON COUNTY

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**INCLUDED:** [Significant feature(s) of bridge given in boldface]  
 [Field inventoried bridge indicated by asterisk]

Inv. No.	MHTD	Bridge Name	Description
MADI01	G 443R	Castor River Bridge	<b>3-100'</b> riveted Pratt through truss 1924 Vincennes Bridge Company
MADI02	G 700R	Castor River Bridge	(replaced)
MADI03	J 521	St. Francis River Bridge	<b>1-140'</b> riveted Pratt through truss 1931 E.W. Deering
MADI04	T 71	St. Francis River Bridge	<b>2-120'</b> riveted Pratt through truss 1936 James R. Hancock
MADI05	110000.1	Rock Creek Bridge	<b>1- 40'</b> concrete deck girder 1919 Hogan and Humphreys

**EXCLUDED:**

Pratt pony truss

G 486R 008000.9 066002.0

Warren pony truss

G 437R 066003.2 111000.1

Steel stringer

F 81R G 331R S 694 T 92 T 93 065001.5 152000.3  
 2670R0.3

Steel girder

152000.1

Concrete girder

F 537 G 328 J 20 J 79R J 80R J 81R K 761R  
 L 46 T 627 112000.6

Concrete slab

T 625 Y 589 021002.0 033001.6 042000.6 049000.8

Concrete box culvert

F 82R F 538R G 329R1 H 294 K 762 L 47 L 71  
 S 247 T 67 T 626 T 682 T 762 T 830 X 98  
 001002.0 002000.3 002000.4 010000.3 010003.0 014000.8 029000.5  
 034000.4 040000.7 040000.8 047001.6 048001.0 051000.8 054001.5  
 071000.8 079002.5 080000.7 085001.7 089000.1 113000.3 267000.1  
 267000.2

# MADISON COUNTY

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## SUMMARY:

	Primary	Secondary	Urban	Other	Total
Included	3	1	0	0	4
Excluded	32	35	0	0	67
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	35	36	0	0	71 structures

# Castor River Bridge

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MADI01

## GENERAL DATA

<b>structure no.:</b> G 443R	<b>city/town:</b> 6.9 miles southeast of Fredericktown
<b>county:</b> Madison	<b>feature inters.:</b> Castor River
	<b>cadastral grid:</b> S21/28, T33N, R8E
	<b>highway route:</b> State Highway 72
	<b>highway distr.:</b> 10
	<b>current owner:</b> Missouri Highway and Transportation Department

## STRUCTURAL DATA

<b>superstructure:</b> steel, 5-panel, rigid-connected Pratt through truss	
<b>substructure:</b> concrete abutments, wingwalls and piers	
<b>span number:</b> 3	<b>condition:</b> good
<b>span length:</b> 100.0'	<b>alterations:</b> guardrail replaced, 1973
<b>total length:</b> 307.0'	<b>floor/decking :</b> concrete deck over steel stringers
<b>roadway width:</b> 22.5'	<b>other features:</b> Armco guardrail

## HISTORICAL DATA

<b>erection date:</b> 1923-24	
<b>erection cost:</b> \$30,009.98	
<b>designer:</b> Missouri State Highway Department	
<b>fabricator :</b> unknown	
<b>contractor:</b> Vincennes Bridge Company, Vincennes IN	
<b>references:</b> Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number G 443R; Missouri Highway and Transportation Department, Primary System Bridge Record (see entries for Madison County), on file at MHTD, Jefferson City MO; <b>Fourth Biennial Report of the Missouri State Highway Commission: 1923-24, page 158.</b>	
<b>sign. rating:</b> 39	
<b>evaluation:</b> NRHP non-eligible (typically configured example of riveted Pratt through truss construction)	

**inventoried by:** Clayton B. Fraser    29 April 1993

# St. Francis River Bridge

MADI03

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## GENERAL DATA

<b>structure no.:</b> J 521	<b>city/town:</b> 4.5 miles south of French Mills
<b>county:</b> Madison	<b>feature inters.:</b> St. Francis River
	<b>cadastral grid:</b> S10/11, T31N, R5E
	<b>highway route:</b> State Supplementary Route C
	<b>highway distr.:</b> 10
	<b>current owner:</b> Missouri Highway and Transportation Department

## STRUCTURAL DATA

**superstructure:** steel, 7-panel, rigid-connected Pratt through truss with steel stringer approach spans

**substructure:** concrete abutments, wingwalls and piers; timber pile bent piers at approaches

<b>span number:</b> 1	<b>condition:</b> good
<b>span length:</b> 140.0'	<b>alterations:</b> none
<b>total length:</b> 274.0'	<b>floor/decking :</b> concrete deck over steel stringers
<b>roadway width:</b> 20.0'	<b>other features:</b> steel pipe guardrail

## HISTORICAL DATA

**erection date:** 1931

**erection cost:** \$20,251.33

**designer:** Missouri State Highway Department

**fabricator :** unknown

**contractor:** E.W. Deering

**references:** Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number J 521; Missouri Highway and Transportation Department, Primary System Bridge Record (see entries for Madison County), on file at MHTD, Jefferson City MO; **Eighth Biennial Report of the Missouri State Highway Commission: 1931-32, page 309.**

**sign. rating:** 36

**evaluation:** NRHP non-eligible (typical example of MSHD truss design of the 1920s and 1930s)

**Inventoried by:** Clayton B. Fraser    29 April 1993

# St. Francis River Bridge

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MADI04

## GENERAL DATA

<b>structure no.:</b> T 71	<b>city/town:</b> 4.1 miles north of French Mills
<b>county:</b> Madison	<b>feature inters.:</b> St. Francis River
	<b>cadastral grid:</b> S35, T33N, R5E
	<b>highway route:</b> State Secondary Highway E
	<b>highway distr.:</b> 10
	<b>current owner:</b> Missouri Highway and Transportation Department

## STRUCTURAL DATA

<b>superstructure:</b> steel, 6-panel, rigid-connected Pratt through truss with steel stringer approach spans	
<b>substructure:</b> concrete abutments, wingwalls and piers	
<b>span number:</b> 2	<b>condition:</b> good
<b>span length:</b> 120.0'	<b>alterations:</b> none
<b>total length:</b> 346.0'	<b>floor/decking :</b> concrete deck over steel stringers
<b>roadway width:</b> 20.0'	<b>other features:</b> steel guardrails

## HISTORICAL DATA

<b>erection date:</b> 1936	
<b>erection cost:</b> \$38,435.20	
<b>designer:</b> Missouri State Highway Department	
<b>fabricator :</b> unknown	
<b>contractor:</b> James R. Hancock	
<b>references:</b> Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number T 71; Missouri Highway and Transportation Department, Primary System Bridge Record (see entries for Madison County), on file at MHTD, Jefferson City MO.	
<b>sign. rating:</b> 38	
<b>evaluation:</b> NRHP non-eligible (typical example of MSHD truss design of the 1920s and 1930s)	

**inventoried by:** Clayton B. Fraser    29 April 1993

# Rock Creek Bridge

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MADI05

## GENERAL DATA

structure no.:	110000.1	city/town:	5.7 miles north of Fredericktown
county:	Madison	feature inters.:	Rock Creek
		cadastral grid:	S20, T34N, R7E
		highway route:	county road
		highway distr.:	10
		current owner:	Madison County

## STRUCTURAL DATA

superstructure:	concrete deck girder		
substructure:	concrete abutments and wingwalls		
span number:	1	condition:	good
span length:	40.0'	alterations:	none
total length:	43.0'	floor/decking :	concrete deck
roadway width:	19.2'	other features:	concrete guardrail with square balusters

## HISTORICAL DATA

erection date:	1919
erection cost:	\$4320.00
designer:	Missouri State Highway Department
fabricator :	none
contractor:	Hogan and Humphreys, Little Rock AK (possible)
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 110000.1; Missouri State Highway Board, <b>Second Biennial Report</b> : 1919-20, pp. 129, 134; <b>Third Biennial Report</b> : 1921-22, n.p.
sign. rating:	47
evaluation:	NRHP possibly eligible (one of oldest remaining examples of MSHD bridge design)

inventoried by: Clayton B. Fraser    29 April 1993

# HAER INVENTORY

Missouri Historic Bridge Inventory

**NAME(S) OF STRUCTURE**

Rock Creek Bridge  
MHTD: 110000.1

MADI05

**DATE(S) OF CONSTRUCTION**

1919

**LOCATION**

county road over Rock Creek; S20, T34N, R7E  
5.7 miles north of Fredericktown; Madison County, Missouri

**USE (ORIGINAL / CURRENT)**

roadway bridge / roadway bridge

**RATING** NRHP possibly eligible (score: 47)

**CONDITION**

good

**OWNER**

Madison County

span number:	1	superstructure:	concrete deck girder
span length:	40.0'	substructure:	concrete abutments and wingwalls
total length:	43.0'	floor/decking:	concrete deck
roadway wdt.:	19.2'	other features:	concrete guardrail with square balusters

This modest concrete girder bridge carries a county road over Rock Creek north of Fredericktown. Although now a county-owned structure, the Rock Creek Bridge was designed and built by the Missouri State Highway Department in 1919 as a part of construction on State Highway Project 101 (later U.S. 67) through the center of Madison County. It and six other small-scale concrete spans were apparently completed that year, possibly by contractors Hogan and Humphreys of Little Rock, Arkansas. Cost of the Rock Creek Bridge: \$4320.00. It remains in unaltered condition.

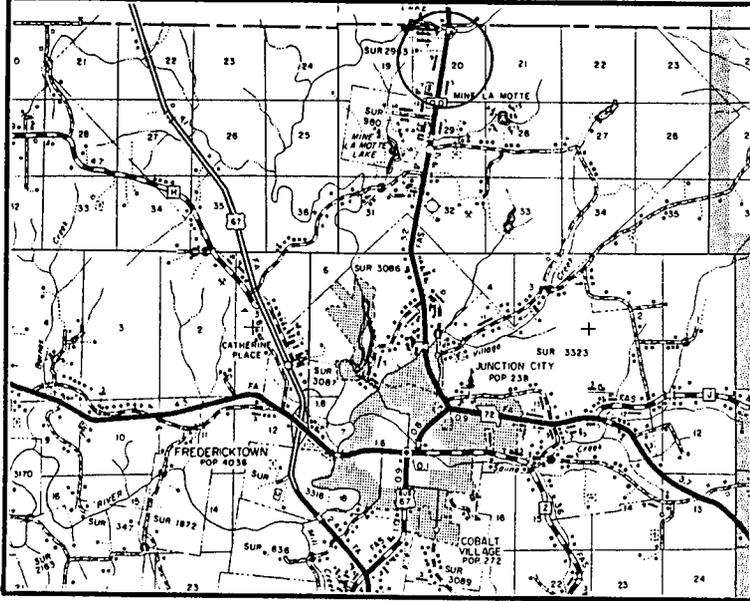
One of the provisions of the Hawes Road Law establishing the Missouri State Highway Department was that the newly formed agency develop plans and specifications for bridges and culverts. "The Highway Department has maintained a drafting room which has been called upon for many kinds of service," the department reported in 1918, "but the especial function of which has been the preparation of bridge and culvert designs." By 1920, the department had developed several standards for short- and medium-span bridges, including 13 designs for steel superstructures with spans ranging up to 100 feet. In addition, the department delineated some 185 special bridge designs during the 1919-20 biennium. One of these was the Rock Creek Bridge in Madison County, designated Structure No. F-77. Although modest in its design and dimensions, this bridge is historically distinguished as one of the oldest remaining highway bridges designed by the state highway department. It is thus an important resource for interpreting MSHD's formative years and the early development of Missouri's state highway network.

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**NAME(S) OF STRUCTURE**

Rock Creek Bridge

**PHOTOS AND SKETCH MAP OF LOCATION**



**LOCATION MAP**

TAKEN FROM MISSOURI HIGHWAY AND TRANSPORTATION DEPARTMENT  
GENERAL HIGHWAY MAP

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**SOURCES**

Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 110000.1; Missouri State Highway Board, Second Biennial Report: 1919-20, pp. 129, 134.

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**INVENTORIED BY**

Clayton B. Fraser

**AFFILIATION**

Fraserdesign, Loveland CO

**DATE**

29 April 1993

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