

# SCOTT 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
SCOT01	G 438R	North Cut Ditch Bridge	1-100' <b>riveted Pratt through truss</b> 1923 Glen E. Stoner
*SCOT02	043000.5	Ramsey Branch Bridge	1- 32' concrete deck girder 1919 Stanford Madden
*SCOT03	066000.3	Henderson Branch Bridge	1- 20' concrete slab 1919 Stanford Madden

EXCLUDED:

Pratt pony truss  
187002.7

Warren pony truss  
150000.8

Steel stringer

H 335R2	H 336R	J 662R	K 522R	L 270	L 271	L 299
L 300	S 167	S 615	S 616	S 665	S 666	S 667
S 668	S 673	S 743	S 744	S 745	S 970	S 971
S 972	T 341	T 417	T 760	X 381	067001.3	105R03.1
160001.0	162001.0	167000.9	179000.7	207001.9	323000.1	

Concrete girder

J 312R1	J356R1	J384R	J 899
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Concrete slab

F 52R	F53R	J 742	L 280R
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Concrete box culvert

G 828	H 317R	J 313	J 314R	J 385	N 760	S 939
T 416	T 759R					

SUMMARY:

	Primary	Secondary	Urban	Other	Total
Included	1	2	0	0	3
Excluded	43	10	0	0	53
	44	12	0	0	56

# North Cut Ditch Bridge

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SCOT01

## GENERAL DATA

<b>structure no.:</b> G 438R	<b>city/town:</b> 4.6 miles southeast of Benton
<b>county:</b> Scott	<b>feature inters.:</b> North Cut Ditch
	<b>cadastral grid:</b> S9, T27N, R15W
	<b>highway route:</b> Missouri State Highway 77
	<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 and wingwalls	
<b>span number:</b> 1	<b>condition:</b> good
<b>span length:</b> 100.0'	<b>alterations:</b> unknown
<b>total length:</b> 104.0'	<b>floor/decking :</b> concrete deck over steel stringers
<b>roadway width:</b> 20.0'	<b>other features:</b> steel pipe guardrails

## HISTORICAL DATA

<b>erection date:</b> 1923	
<b>erection cost:</b> \$17,883.70	
<b>designer:</b> Missouri State Highway Department	
<b>fabricator :</b> unknown	
<b>contractor:</b> Glen E. Stoner	
<b>references:</b> Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. G 438R; Missouri Highway and Transportation Department, Primary System Record, located at Bridge Division, MHTD, Jefferson City MO.	
<b>sign. rating:</b> 36	
<b>evaluation:</b> NRHP non-eligible (typically configured example of MSHD through truss design)	

Inventoried by: Clayton B. Fraser    1 September 1992

# Ramsey Branch Bridge

SCOT02

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## GENERAL DATA

<b>structure no.:</b> 043000.5	<b>city/town:</b> 7.3 miles north of Benton
<b>county:</b> Scott	<b>feature inters.:</b> Ramsey Branch
	<b>cadastral grid:</b> S6, T29N, R14W
	<b>highway route:</b> 10
	<b>highway distr.:</b> County Road 43
	<b>current owner:</b> Scott County

## STRUCTURAL DATA

<b>superstructure:</b> concrete deck girder	
<b>substructure:</b> concrete abutments and wingwalls	
<b>span number:</b> 1	<b>condition:</b> good
<b>span length:</b> 32.0'	<b>alterations:</b> none
<b>total length:</b> 33.0'	<b>floor/decking :</b> concrete
<b>roadway width:</b> 18.0'	<b>other features:</b> MSHD concrete guardrails with square balusters

## HISTORICAL DATA

<b>erection date:</b> 1919	
<b>erection cost:</b> \$3196.14	
<b>designer:</b> Missouri State Highway Department	
<b>fabricator :</b> none	
<b>contractor:</b> Stanford Madden	
<b>references:</b>	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 043000.5; Missouri Highway and Transportation Department, Primary Bridge Record, located at the Bridge Division, MHTD, Jefferson City MO; Missouri State Highway Board, Second Biennial Report: 1919-20, pp. 129, 134.
<b>sign. rating:</b> 47	
<b>evaluation:</b>	NRHP possibly eligible (one of oldest remaining examples of MSHD bridge design)

**inventoried by:** Clayton B. Fraser    1 September 1992

# Henderson Branch Bridge

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SCOT03

## GENERAL DATA

structure no.:	066000.3	city/town:	1.1 mile southwest of Benton
county:	Scott	feature inters.:	Henderson Branch Drainage Ditch
		cadastral grid:	13S, 28TN, 13RW
		highway route:	10
		highway distr.:	County Road 66
		current owner:	Scott County

## STRUCTURAL DATA

superstructure:	concrete slab		
substructure:	concrete abutments and wingwalls		
span number:	1	condition:	good
span length:	20.0'	alterations:	none
total length:	22.0'	floor/decking :	concrete deck
roadway width:	17.8'	other features:	MSHD standard concrete guardrails with square balusters

## HISTORICAL DATA

erection date:	1919
erection cost:	\$1749.77
designer:	Missouri State Highway Department
fabricator :	none
contractor :	Stanford Madden

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 066000.3; Missouri Highway and Transportation Department, Primary Bridge Record, located at the Bridge Division, MHTD, Jefferson City MO; Missouri State Highway Board, Second Biennial Report: 1919-20, pp. 129, 134.

sign. rating:	47
evaluation:	NRHP possibly eligible (one of oldest remaining MSHD highway bridges)

inventoried by: Clayton B. Fraser    1 September 1992

# HAER INVENTORY

Missouri Historic Bridge Inventory

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**NAME(S) OF STRUCTURE**

Ramsey Branch Bridge  
MHTD: 043000.5

SCOT02

**DATE(S) OF CONSTRUCTION**

1919

**LOCATION**

10 over Ramsey Branch; S6, T29N, R14W  
7.3 miles north of Benton; Scott County, Missouri

**USE (ORIGINAL / CURRENT)**

highway bridge / roadway bridge

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

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**CONDITION**

good

**OWNER**

Scott County

span number: 1  
span length: 32.0'  
total length: 33.0'  
roadway wdt.: 18.0'

superstructure: concrete deck girder  
substructure: concrete abutments and wingwalls  
floor/decking: concrete  
other features: MSHD concrete guardrails with square balusters

This modest concrete girder bridge carries a county road over Ramsey Branch north of Benton. Although now a county-owned structure, the Ramsey Branch Bridge was designed and built by the Missouri State Highway Department in 1919 as a part of construction on State Highway 10 (later U.S. 61) through the center of Scott County. That July the state contracted with Stanford Madden to build this and three other small-scale spans (including SCOT03). Madden apparently completed the bridges that year. Cost of the Ramsey Branch Bridge: \$3196.14. It remains in unaltered condition.

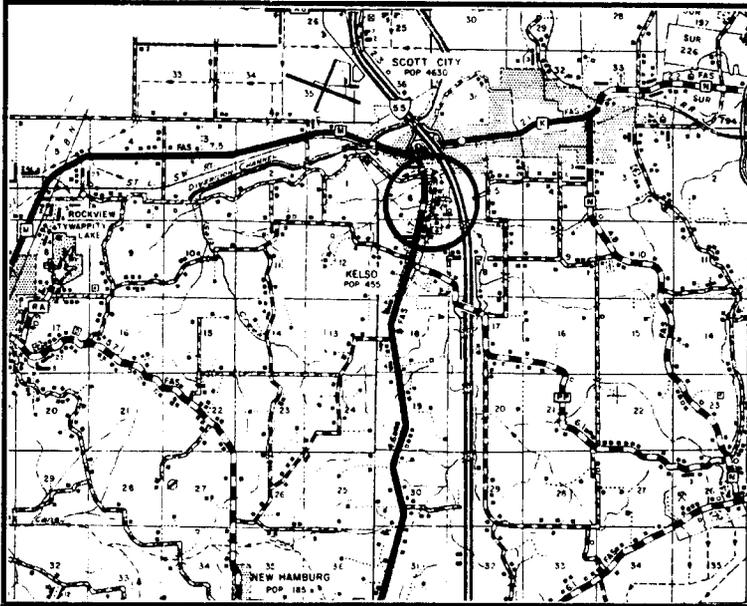
One of the provisions of the Hawes Road Law establishing the Missouri State Highway Department was that the newly formed agency develop plans and specifications for bridges and culverts. "The Highway Department has maintained a drafting room which has been called upon for many kinds of service," the 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 Ramsey Branch Bridge in Scott County, designated Structure No. F-70. Although modest in its design and dimensions, this bridge is historically distinguished as one of the two oldest remaining highway bridges designed by the state highway department. (The other - SCOT03 - was built under the same construction contract in 1919.) 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**

Ramsey Branch 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 043000.5; Missouri Highway and Transportation Department, Primary Bridge Record, located at the Bridge Division, MHTD, Jefferson City MO; 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**

1 September 1992

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# HAER INVENTORY

Missouri Historic Bridge Inventory

**NAME(S) OF STRUCTURE**

Henderson Branch Bridge  
MHTD: 066000.3

SCOT03

**DATE(S) OF CONSTRUCTION**

1919

**LOCATION**

10 over Henderson Branch Drainage Ditch; 13S, 28TN, 13RW  
1.1 mile southwest of Benton; Scott County, Missouri

**USE (ORIGINAL / CURRENT)**

highway bridge / roadway bridge

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

**CONDITION**

good

**OWNER**

Scott County

span number:	1	superstructure:	concrete slab
span length:	20.0'	substructure:	concrete abutments and wingwalls
total length:	22.0'	floor/decking:	concrete deck
roadway wdt.:	17.8'	other features:	MSHD standard concrete guardrails with square balusters

This modest concrete slab bridge carries a county road over Henderson Branch southwest of Benton. Although now a county-owned structure, the Henderson Branch Bridge was designed and built by the Missouri State Highway Department in 1919 as a part of construction on State Highway 10 (later U.S. 61) through the center of Scott County. That July the state contracted with Stanford Madden to build this and three other small-scale spans (including SCOT02). Madden apparently completed the bridges that year. Cost of the Henderson Branch Bridge: \$1749.77. It remains in unaltered condition.

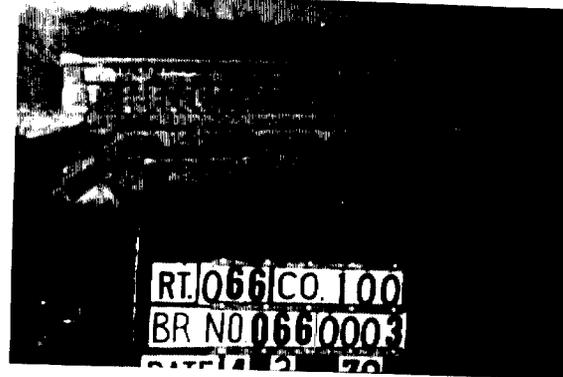
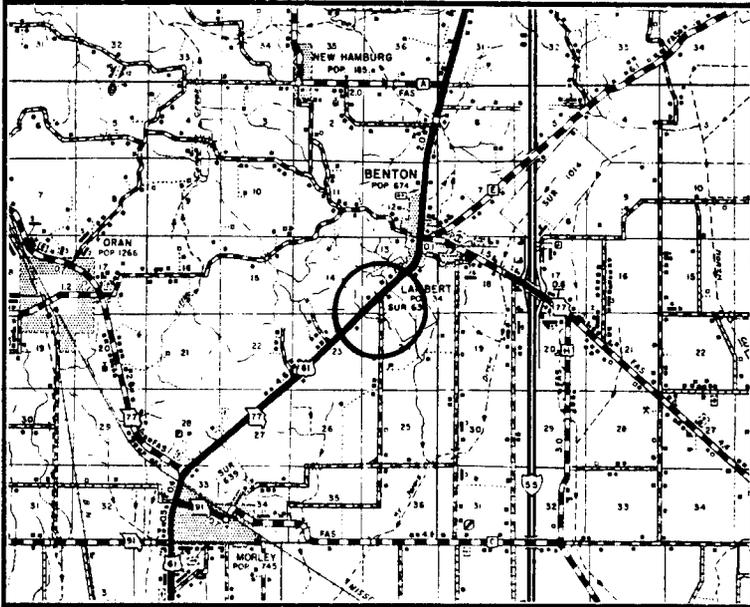
One of the provisions of the Hawes Road Law establishing the Missouri State Highway Department was that the newly formed agency develop plans and specifications for bridges and culverts. "The Highway Department has maintained a drafting room which has been called upon for many kinds of service," the 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 Henderson Branch Bridge in Scott County, designated Structure No. F-64. Although modest in its design and dimensions, this bridge is historically distinguished as one of the two oldest remaining highway bridges designed by the state highway department. (The other - SCOT02 - was built under the same construction contract in 1919.) 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**

Henderson Branch 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 066000.3; Missouri Highway and Transportation Department, Primary Bridge Record, located at the Bridge Division, MHTD, Jefferson City MO; Missouri State Highway Board, Second Biennial Report: 1919-20, pp. 129, 134.

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**AFFILIATION**

Fraserdesign, Loveland CO

**DATE**

1 September 1992

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