

# CLARK 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
*CLAR01	K 182	Lee City Bridge	(replaced)
*CLAR02	K 563	Fox River Bridge	(replaced)
*CLAR03	K 918	St. Francisville Bridge	<b>3-228'</b> <b>riveted cantilever through truss</b> 1937 F.W. Whitehead
*CLAR04	029R00.7	Wilson Bridge	1- 80' pinned Pratt pony truss <b>1898</b> James B. Diver, Keokuk IA
CLAR05	036002.2	Linn Creek Bridge	1- 48' pinned Pratt pony truss <b>1901</b> James B. Diver [prob.]
CLAR06	075001.3	Fox River Bridge	1- 66' pin Pratt half-hip pony truss <b>c1905</b>
CLAR07	077000.9	Sutherland Branch Bridge	(replaced)
CLAR08	078000.3	Sherwood Bridge	(replaced)
CLAR09	090001.1	Dumas Bridge	1- 60' pinned Pratt pony truss <b>1911</b> G.H. Turner, Wyaconda MO
*CLAR10	110002.3	Beard Bridge	1-105' pinned Pratt through truss <b>1914</b> G.H. Turner, Wyaconda MO
*CLAR11	116001.6	N. Wyaconda River Bridge	1-112' pinned Pratt through truss <b>c1910</b>
CLAR12	125001.6	N. Wyaconda River Bridge	1-140' <b>riveted Pratt through truss</b> <b>c1925</b>
CLAR13	128002.5	Cama Bridge	1- 68' pinned Pratt pony truss <b>1914</b> G.H. Turner, Wyaconda MO
*CLAR14	148001.2	Holmes Bridge	1- 80' pinned Pratt pony truss <b>1898</b> James B. Diver, Keokuk IA
CLAR15	151001.0	Little Fox River Bridge	1- 80' pinned Pratt pony truss <b>c1910</b>
*CLAR16	164001.6	Fox River Bridge	1- 80' pinned Pratt pony truss <b>c1910</b>
*CLAR17	170001.6	Fox River Bridge	1- 82' pinned Pratt pony truss <b>c1905</b>
*CLAR18	173000.3	McCoy Bridge	1- 48' pinned Pratt pony truss <b>c1905</b>
*CLAR19	174000.1	Fox River Bridge	1-140' <b>riveted Pratt through truss</b> <b>c1925</b>
*CLAR20	184000.6	Vermillion Bridge	1- 85' pinned Pratt through truss <b>1899</b> James B. Diver, Keokuk IA
CLAR21	257002.2	Wyaconda River Bridge	1-160' <b>riveted Parker through truss</b> <b>c1925</b>
CLAR22	264001.2	Wyaconda River Bridge	(replaced)
CLAR23	276000.9	Riney Bridge	1- 70' pinned Pratt pony truss <b>1910</b> G.H. Turner, Wyaconda MO
*CLAR24	304001.3	Cameron Bridge	(replaced)

# CLARK COUNTY

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## INCLUDED (cont.):

*CLAR25	305000.4	Fox River Bridge	1- 80'	pinned Pratt pony truss
			c1910	
*CLAR26	312001.2	Sugar Creek Bridge	1- 50'	pinned Pratt pony truss
			c1910	
*CLAR27	317002.4	Fox Slough Bridge	1-108'	pinned Pratt through truss
			1897	James B. Diver, Keokuk IA
*CLAR28	319000.7	Honey Creek Bridge	1- 67'	pinned Pratt pony truss
			1904	James B. Diver, Keokuk IA
*CLAR29	326002.1	Fabius River Bridge		(replaced)
CLAR30	328002.2	Wilson Bridge	1- 45'	pinned Pratt pony truss
			1911	G.H. Turner, Wyaconda MO
*CLAR31	335001.0	Shaffer Creek Bridge		(replaced)
*CLAR32	358000.6	Wyaconda River Bridge	1-120'	pinned Pratt through truss
			c1910	
*CLAR33	367000.4	Wyaconda River Bridge	1-140'	riveted Pratt through truss
			c1925	
*CLAR34	373000.8	Honey Creek Bridge	1- 58'	pinned Pratt pony truss
			c1910	

## EXCLUDED:

### Pratt pony truss

019001.2 055002.8 056002.1 062000.4 111001.5 118001.0 177001.2

### Warren pony truss

J 161 S 128R 409000.3

### Steel girder

085000.6 110003.7 111000.3 163003.1

### Steel stringer

K 561	K 562	L 166A	X 796	027001.1	027001.9	032R01.4
033R01.8	041001.6	049000.8	050001.5	055R02.3	083000.1	084000.5
090000.7	090000.9	115001.6	118000.6	130000.5	132000.5	134000.2
136000.1	139000.7	139001.4	144R00.9	145R00.5	160001.3	161000.3
162R00.7	168R00.3	188R02.0	214001.1	216000.2	220000.8	229000.2
238000.6	244000.1	257002.1	259000.3	259001.5	265001.0	265001.1
271000.7	275001.7	295000.3	297R01.8	306000.7	323000.9	326000.8
331000.8	344R02.7	348000.8	364R00.8	378001.6	407000.4	407000.5
407000.6						

### Concrete girder

J 86 K 739 241000.6

### Concrete slab

F 955R3

# CLARK COUNTY

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## EXCLUDED (cont.):

Concrete box culvert  
F1108R    H 264R    J 85    K 48    K 49    K 187    P 43  
S 160    T 792

Timber stringer  
T1010

## SUMMARY:

	Primary	Secondary	Urban	Other	Total
Included	1	25	0	0	26
Excluded	19	71	0	0	90
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	20	96	0	0	116 structures

# St. Francisville Bridge

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CLAR03

## GENERAL DATA

structure no.:	K 918	city/town:	8.7 miles northeast of Kahoka
county:	Clark	feature inters.:	Des Moines River
		cadastral grid:	S4/5, T65N, R6W
		highway route:	State Supplementary Route B
		highway distr.:	3
		current owner:	St. Francisville Bridge Commission

## STRUCTURAL DATA

superstructure: steel, 12-panel, rigid-connected cantilever Warren through truss  
substructure: concrete abutments and spill-through piers

span number:	3	condition:	good
span length:	228.0'	alterations:	none
total length:	763.0'	floor/decking :	concrete deck over steel stringers
roadway width:	21.8'	other features:	upper chord and inclined end post: 2 channels with cover plate and lacing; lower chord: 2 channels with lacing; vertical: 4 angles, laced; diagonal: 2 channels, laced; lateral bracing: 1 angle; strut: 4 angles, laced and braced; floor beam: I-beams; guardrail: 2 channels; bridge plate: ST. FRANCISVILLE BRIDGE / FEDERAL EMERGENCY ADMINISTRATION OF PUBLIC WORKS / PROJECT NO. 3395-R; builder's plate: ST. FRANCISVILLE BRIDGE / BUILT BY / WAYLAND SPECIAL ROAD DISTRICT NO. 1 / CLARK COUNTY, MISSOURI / BOARD OF SUPERVISORS / O.T. BROWN / CHAS. H. KRUEGER / WILFORD ORR / R.A. KEARNS / SVERDRUP AND PARCEL / CONSULTING ENGINEERS / F.W. WHITEHEAD CONTRACTOR / A.D. 1936

## HISTORICAL DATA

erection date: 1936-37  
erection cost: unknown  
designer: Sverdrup and Parcel, St. Louis MO  
fabricator : unknown  
contractor: F.W. Whitehead

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number K 918; field inspection by Clayton Fraser, 13 September 1990.

sign. rating: 62  
evaluation: NRHP determined eligible (well-preserved, uncommon example of cantilevered truss design)

• inventoried by: Clayton B. Fraser 7 January 1992

# Wilson Bridge

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CLAR04

## GENERAL DATA

structure no.:	029R00.7	city/town:	4.1 miles northwest of Luray
county:	Clark/Scotland	feature inters.:	North Wyaconda River
		cadastral grid:	S31, T66N, R9W
		highway route:	County Road 29
		highway distr.:	3
		current owner:	Clark / Scotland County

## STRUCTURAL DATA

superstructure:	steel, 6-panel, pin-connected Pratt pony truss, with steel stringer approach spans		
substructure:	concrete-filled steel cylinder piers		
span number:	1	condition:	fair
span length:	80.0'	alterations:	none
total length:	120.0'	floor/decking :	timber deck over steel stringers
roadway width:	11.7'	other features:	upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 looped rectangular eyebars; vertical: 4 angles with lacing; diagonal: 2 looped rectangular eyebars; lateral bracing: round rod with threaded ends; floor beam: I-beam, U-bolted to lower chord pins; guardrail: steel angle; bridge plate: Sam S. Bowman, Co. Judge Geo. H. Haywood, Geo. H. Harter, Presiding, O.F. Ensign, Com[m]issioner

## HISTORICAL DATA

erection date:	1898
erection cost:	\$1840.00 (two-bridge contract)
designer:	James B. Diver Bridge Company, Keokuk IA
fabricator :	unknown
contractor :	James B. Diver Bridge Company, Keokuk, IA
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 029R00.7; Clark County Court Record, Book P: page 483 (6 September 1898), page 508 (20 December 1898) - located at Clark County Courthouse, Kahoka MO; field inspection by Clayton Fraser, 13 September 1990.
sign. rating:	55
evaluation:	NRHP possibly eligible (well-preserved example of mainstay structural type)

inventoried by: Clayton B. Fraser 7 January 1992

# Linn Creek Bridge

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CLAR05

## GENERAL DATA

<b>structure no.:</b> 036002.2	<b>city/town:</b> 2.8 miles northeast of Luray
<b>county:</b> Clark	<b>feature inters.:</b> North Linn Creek
	<b>cadastral grid:</b> S26, T66N, R9W
	<b>highway route:</b> County Road 36
	<b>highway distr.:</b> 3
	<b>current owner:</b> Clark County

## STRUCTURAL DATA

<b>superstructure:</b> steel, 4-panel, pin-connected Pratt pony truss	
<b>substructure:</b> concrete-filled steel cylinder piers	
<b>span number:</b> 1	<b>condition:</b> fair
<b>span length:</b> 48.0'	<b>alterations:</b> none
<b>total length:</b> 83.0'	<b>floor/decking :</b> timber deck
<b>roadway width:</b> 11.8'	<b>other features:</b> steel angle guardrails

## HISTORICAL DATA

<b>erection date:</b> 1901	
<b>erection cost:</b> unknown	
<b>designer:</b> James B. Diver Bridge Company, Keokuk IA [probable]	
<b>fabricator :</b> unknown	
<b>contractor:</b> James B. Diver Bridge Company, Keokuk IA [probable]	
<b>references:</b> Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 036002.2; Clark County Court Record, Book Q: page 379 (8 August 1901) - located at Clark County Court-house, Kahoka MO.	
<b>sign. rating:</b> 35	
<b>evaluation:</b> NRHP non-eligible (typically configured example of a common structural type)	

inventoried by: Clayton B. Fraser 7 January 1992

# Fox River Bridge

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CLAR06

## GENERAL DATA

structure no.:	075001.3	city/town:	4.9 miles northwest of Kahoka
county:	Clark	feature inters.:	Fox River
		cadastral grid:	S26, T66N, R8W
		highway route:	County Road 75
		highway distr.:	3
		current owner:	Clark County

## STRUCTURAL DATA

superstructure:	steel, 4-panel, pin-connected, Pratt half-hip pony truss, with steel stringer approach spans		
substructure:	concrete-filled steel cylinder piers		
span number:	1	condition:	fair
span length:	66.0'	alterations:	unknown
total length:	118.0'	floor/decking :	timber deck
roadway width:	11.7'	other features:	steel angle guardrails

## HISTORICAL DATA

erection date:	c1905
erection cost:	unknown
designer:	unknown
fabricator :	unknown
contractor :	unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 075001.3.

sign. rating:	29
evaluation:	NRHP non-eligible (typically configured, inadequately documented example of common structural type)

inventoried by: Clayton B. Fraser 7 January 1992

# Dumas Creek Bridge

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CLAR09

## GENERAL DATA

structure no.:	090001.1	city/town:	3.0 miles northeast of Revere
county:	Clark	feature inters.:	Dumas Creek
		cadastral grid:	S14, T66N, R7W
		highway route:	County Road 90
		highway distr.:	3
		current owner:	Clark County

## STRUCTURAL DATA

superstructure:	steel, 4-panel, pin-connected Pratt pony truss		
substructure:	concrete-filled steel cylinder piers		
span number:	1	condition:	fair
span length:	60.0'	alterations:	unknown
total length:	61.0'	floor/decking :	timber deck
roadway width:	11.8'	other features:	steel angle guardrails

## HISTORICAL DATA

erection date:	1911
erection cost:	unknown
designer:	unknown
fabricator :	unknown
contractor:	George H. Turner

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 090001.1; Clark County Court Record, Book S: page 631 (7 July 1911), located at Clark County Courthouse, Kahoka MO.

sign. rating:	38
evaluation:	NRHP non-eligible (typically configured example of a common structural type)

inventoried by: Clayton B. Fraser    7 January 1992

# Beard Bridge

CLAR10

## GENERAL DATA

<b>structure no.:</b>	110002.3	<b>city/town:</b>	2.0 miles northeast of Wyaconda
<b>county:</b>	Clark	<b>feature inters.:</b>	South Wyaconda River
		<b>cadastral grid:</b>	S28, T65N, R9W
		<b>highway route:</b>	County Road 110
		<b>highway distr.:</b>	3
		<b>current owner:</b>	Clark County

## STRUCTURAL DATA

<b>superstructure:</b>	steel, 6-panel, pin-connected Pratt through truss, with steel stringer approach spans		
<b>substructure:</b>	steel pile bent abutments with timber backwalls; concrete-filled steel cylinder piers		
<b>span number:</b>	1	<b>condition:</b>	fair
<b>span length:</b>	105.0'	<b>alterations:</b>	none
<b>total length:</b>	159.0'	<b>floor/decking :</b>	timber deck over steel stringers
<b>roadway width:</b>	11.7'	<b>other features:</b>	upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 punched rectangular eyebars; vertical: 2 channels with lacing; diagonal: 2 punched rectangular eyebars; counter: round eyerod with turnbuckle; lateral bracing: round rod with threaded ends; strut: 2 angles; portal strut: A-frame; floor beam: I-beam, field-bolted to vertical; guardrail: 2 channels

## HISTORICAL DATA

<b>erection date:</b>	1913-14
<b>erection cost:</b>	\$1425.00
<b>designer:</b>	unknown
<b>fabricator :</b>	Cambria Steel Company, Pittsburgh PA
<b>contractor:</b>	George H. Turner
<b>references:</b>	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 110002.3; Clark County Court Record, Book T: page 172 (3 July 1913), page 184 (13 August 1913), page 190 (3 September 1913), page 191 (22 September 1913) - located at the Clark County Courthouse, Kahoka MO; field inspection by Clayton Fraser, 13 September 1990.
<b>sign. rating:</b>	37
<b>evaluation:</b>	NRHP non-eligible (typically configured, well-preserved example of common structural type)

Inventoried by: Clayton B. Fraser 7 January 1992

# North Wyaconda River Bridge

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CLAR11

## GENERAL DATA

<b>structure no.:</b>	116001.6	<b>city/town:</b>	1.6 miles northwest of Luray
<b>county:</b>	Clark	<b>feature inters.:</b>	North Wyaconda River
		<b>cadastral grid:</b>	S5, T65N, R9W
		<b>highway route:</b>	County Road 116
		<b>highway distr.:</b>	3
		<b>current owner:</b>	Clark County

## STRUCTURAL DATA

**superstructure:** steel, 6-panel, pin-connected Pratt through truss  
**substructure:** steel pile bent abutments with timber backing

<b>span number:</b>	1	<b>condition:</b>	fair
<b>span length:</b>	112.0'	<b>alterations:</b>	some diagonals replaced with wire rope
<b>total length:</b>	113.0'	<b>floor/decking :</b>	timber deck over steel stringers
<b>roadway width:</b>	11.8'	<b>other features:</b>	upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 punched rectangular eyebars; vertical: 2 channels with lacing; diagonal: 2 punched rectangular eyebars; counter: round eyerod with turnbuckle; lateral bracing: round rod with threaded ends and turnbuckle; strut: 4 angles with lacing; portal strut: A-frame; floor beam: I-beam, U-bolted to vertical; guardrail: 2 channels

## HISTORICAL DATA

**erection date:** c1910  
**erection cost:** unknown  
**designer:** unknown  
**fabricator :** unknown  
**contractor:** unknown

**references:** Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 116001.6; field inspection by Clayton Fraser, 13 September 1990.

**sign. rating:** 23  
**evaluation:** NRHP non-eligible (With its construction history undocumented, this typically built Pratt through truss is of extremely limited interpretive value.)

**inventoried by:** Clayton B. Fraser    7 January 1992

# North Wyaconda River Bridge

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CLAR12

## GENERAL DATA

structure no.:	125001.6	city/town:	2.7 miles south of Luray
county:	Clark	feature inters.:	North Wyaconda River
		cadastral grid:	S23/26, T65N, R9W
		highway route:	County Road 125
		highway distr.:	3
		current owner:	Clark County

## STRUCTURAL DATA

superstructure:	steel, 7-panel, rigid-connected Pratt through truss		
substructure:	unknown		
span number:	1	condition:	fair
span length:	140.0'	alterations:	unknown
total length:	141.0'	floor/decking :	timber deck over steel stringers
roadway width:	13.8'	other features:	steel angle guardrails

## HISTORICAL DATA

erection date:	c1925
erection cost:	unknown
designer:	unknown
fabricator :	unknown
contractor:	unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 125001.6.

sign. rating:	26
evaluation:	NRHP non-eligible (typically configured, undocumented example of common structural type)

Inventoried by: Clayton B. Fraser    7 January 1992

# Cama Bridge

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CLAR13

## GENERAL DATA

structure no.:	128002.5	city/town:	3.8 miles south of Luray
county:	Clark	feature inters.:	North Wyaconda River
		cadastral grid:	S26/35, T65N, R9W
		highway route:	County Road 128
		highway distr.:	3
		current owner:	Clark County

## STRUCTURAL DATA

superstructure:	steel, 5-panel, pin-connected Pratt pony truss		
substructure:	unknown		
span number:	1	condition:	fair
span length:	68.0'	alterations:	none
total length:	70.0'	floor/decking:	timber deck
roadway width:	11.7'	other features:	steel angle guardrails

## HISTORICAL DATA

erection date:	1913-14
erection cost:	\$1405.00
designer:	unknown
fabricator:	unknown
contractor:	George H. Turner

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 128002.5; Clark County Court Record, Book T: page 172 (3 July 1913), page 184 (13 August 1913), page 190 (3 September 1913), page 191 (22 September 1913) - located at the Clark County Courthouse, Kahoka MO.

sign. rating:	38
evaluation:	NRHP non-eligible (technologically undistinguished example of truss bridge construction, dating from the 1910s)

inventoried by: Clayton B. Fraser    7 January 1992

# Holmes Bridge

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CLAR14

## GENERAL DATA

<b>structure no.:</b> 148001.2	<b>city/town:</b> 3.1 miles north of Kahoka
<b>county:</b> Clark	<b>feature inters.:</b> Little Fox River
	<b>cadastral grid:</b> S2, T65N, R8W
	<b>highway route:</b> County Road 148
	<b>highway distr.:</b> 3
	<b>current owner:</b> Clark County

## STRUCTURAL DATA

<b>superstructure:</b> steel, 6-panel, pin-connected Pratt pony truss, with steel stringer approach spans	
<b>substructure:</b> steel pile bent abutments with timber backwalls; concrete-filled steel cylinder piers under main span; steel pile bent piers under approach spans	
<b>span number:</b> 1	<b>condition:</b> fair
<b>span length:</b> 80.0'	<b>alterations:</b> some diagonals replaced with wire rope
<b>total length:</b> 174.0'	<b>floor/decking :</b> timber deck over steel stringers
<b>roadway width:</b> 11.8'	<b>other features:</b> upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 looped rectangular eyebars; vertical: 4 angles with lacing; diagonal: 2 looped rectangular eyebars; lateral bracing: round rod with threaded ends; floor beam: I-beam, U-bolted to lower chord pins; guardrail: steel angle

## HISTORICAL DATA

<b>erection date:</b> 1898	
<b>erection cost:</b> \$2360.00	
<b>designer:</b> unknown	
<b>fabricator :</b> unknown	
<b>contractor :</b> James B. Diver and Company, Keokuk IA	
<b>references:</b> Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 148001.2; Clark County Court Record, Book P: page 360 (9 February 1898), page 372 (7 March 1898), page 422 (4 May 1898), page 475 (6 September 1898) - located at Clark County Courthouse, Kahoka, MO; field inspection by Clayton Fraser, 13 September 1990.	
<b>sign. rating:</b> 44	
<b>evaluation:</b> NRHP non-eligible (typical, early example of mainstay structural type)	

Inventoried by: Clayton B. Fraser 7 January 1992

# Little Fox River Bridge

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CLAR15

## GENERAL DATA

<b>structure no.:</b> 151001.0	<b>city/town:</b> 4.9 miles northwest of Kahoka
<b>county:</b> Clark	<b>feature inters.:</b> Little Fox River
	<b>cadastral grid:</b> S4, T65N, R9W
	<b>highway route:</b> County Road 151
	<b>highway distr.:</b> 3
	<b>current owner:</b> Clark County

## STRUCTURAL DATA

<b>superstructure:</b> steel, 5-panel, pin-connected Pratt pony truss, with steel stringer approach spans	
<b>substructure:</b> concrete-filled steel cylinder piers	
<b>span number:</b> 1	<b>condition:</b> fair
<b>span length:</b> 80.0'	<b>alterations:</b> none
<b>total length:</b> 128.0'	<b>floor/decking :</b> timber deck
<b>roadway width:</b> 11.8'	<b>other features:</b> steel angle guardrails

## HISTORICAL DATA

<b>erection date:</b> c1910
<b>erection cost:</b> unknown
<b>designer:</b> unknown
<b>fabricator :</b> unknown
<b>contractor:</b> unknown

**references:** Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 151001.0.

<b>sign. rating:</b> 30
<b>evaluation:</b> NRHP non-eligible (typically configured example of common structural type)

**inventoried by:** Clayton B. Fraser    7 January 1992

# Fox River Bridge

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CLAR16

## GENERAL DATA

<b>structure no.:</b> 164001.6	<b>city/town:</b> 2.1 miles north of Kahoka
<b>county:</b> Clark	<b>feature inters.:</b> Fox River
	<b>cadastral grid:</b> S7, T65N, R7W
	<b>highway route:</b> County Road 164
	<b>highway distr.:</b> 3
	<b>current owner:</b> Clark County

## STRUCTURAL DATA

**superstructure:** steel, 5-panel, pin-connected Pratt pony truss, with steel stringer approach spans

**substructure:** concrete abutments and wingwalls; concrete-filled steel cylinder piers under main span; steel pile bent piers under approach spans

<b>span number:</b> 1	<b>condition:</b> fair
<b>span length:</b> 80.0'	<b>alterations:</b> none
<b>total length:</b> 191.0'	<b>floor/decking :</b> timber deck over steel stringers
<b>roadway width:</b> 12.0'	<b>other features:</b> upper chord and inclined end post: 2 channels with cover plate and lacing; lower chord: 2 angles with batten plates; vertical: 4 angles with batten plates; diagonal: 2 angles with batten plates; lateral bracing: round rod with threaded ends; floor beam: I-beam; guardrail: steel angle

## HISTORICAL DATA

**erection date:** c1910  
**erection cost:** unknown  
**designer:** unknown  
**fabricator :** unknown  
**contractor :** unknown

**references:** Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 164001.6; field inspection by Clayton Fraser, 13 September 1990.

**sign. rating:** 32  
**evaluation:** NRHP non-eligible (typically configured example of common structural type)

**inventoried by:** Clayton B. Fraser    7 January 1992

# Fox River Bridge

CLAR17

## GENERAL DATA

<b>structure no.:</b> 170001.6	<b>city/town:</b> 3.4 miles northeast of Kahoka
<b>county:</b> Clark	<b>feature inters.:</b> Fox River
	<b>cadastral grid:</b> S9, T65N, R7W
	<b>highway route:</b> County Road 170
	<b>highway distr.:</b> 3
	<b>current owner:</b> Clark County

## STRUCTURAL DATA

<b>superstructure:</b> steel, 6-panel, pin-connected Pratt pony truss, with steel stringer approach spans	
<b>substructure:</b> steel pile bent abutments with timber backwalls; concrete-filled steel cylinder piers	
<b>span number:</b> 1	<b>condition:</b> fair
<b>span length:</b> 82.0'	<b>alterations:</b> none
<b>total length:</b> 129.0'	<b>floor/decking :</b> timber deck over steel stringers
<b>roadway width:</b> 11.7'	<b>other features:</b> upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 looped rectangular eyebars; vertical: 4 angles with lacing; diagonal: 2 looped rectangular eyebars; counter: round eyerod with turn-buckle; lateral bracing: round rod with threaded ends; floor beam: I-beam, U-bolted to lower chord pins; guardrail: steel angle

## HISTORICAL DATA

<b>erection date:</b> c1905	
<b>erection cost:</b> unknown	
<b>designer:</b> unknown	
<b>fabricator :</b> unknown	
<b>contractor:</b> unknown	
<b>references:</b>	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 170001.6; field inspection by Clayton Fraser, 13 September 1990.
<b>sign. rating:</b> 33	
<b>evaluation:</b>	NRHP non-eligible (typically configured, long-span example of pinned Pratt pony truss design)

inventoried by: Clayton B. Fraser 7 January 1992

# McCoy Bridge

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CLAR18

## GENERAL DATA

<b>structure no.:</b>	173000.3	<b>city/town:</b>	5.1 miles east of Kahoka
<b>county:</b>	Clark	<b>feature inters.:</b>	Weaver Branch
		<b>cadastral grid:</b>	S23/24, T65N, R7W
		<b>highway route:</b>	County Road 173
		<b>highway distr.:</b>	3
		<b>current owner:</b>	Clark County

## STRUCTURAL DATA

<b>superstructure:</b>	steel, 4-panel, pin-connected Pratt pony truss, with steel stringer approach span		
<b>substructure:</b>	concrete-filled steel cylinder piers		
<b>span number:</b>	1	<b>condition:</b>	fair
<b>span length:</b>	48.0'	<b>alterations:</b>	none
<b>total length:</b>	69.0'	<b>floor/decking :</b>	timber deck over steel stringers
<b>roadway width:</b>	11.8'	<b>other features:</b>	I-beam floor beams, U-bolted to lower chord pins; steel angle guardrails

## HISTORICAL DATA

<b>erection date:</b>	c1905
<b>erection cost:</b>	unknown
<b>designer:</b>	unknown
<b>fabricator :</b>	unknown
<b>contractor :</b>	unknown
<b>references:</b>	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 173000.3; field inspection by Clayton Fraser, 13 September 1990.
<b>sign. rating:</b>	26
<b>evaluation:</b>	NRHP non-eligible (typically configured, inadequately documented example of common truss type)

inventoried by: Clayton B. Fraser    7 January 1992

# Fox River Bridge

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CLAR19

## GENERAL DATA

<b>structure no.:</b> 174000.1	<b>city/town:</b> 5.1 miles east of Kahoka
<b>county:</b> Clark	<b>feature inters.:</b> Fox River
	<b>cadastral grid:</b> S23/24, T65N, R7W
	<b>highway route:</b> County Road 174
	<b>highway distr.:</b> 3
	<b>current owner:</b> Clark County

## STRUCTURAL DATA

<b>superstructure:</b> steel, 7-panel, rigid-connected Pratt through truss	
<b>substructure:</b> concrete abutments and wingwalls	
<b>span number:</b> 1	<b>condition:</b> fair
<b>span length:</b> 140.0'	<b>alterations:</b> none
<b>total length:</b> 143.0'	<b>floor/decking :</b> concrete deck over steel stringers
<b>roadway width:</b> 18.0'	<b>other features:</b> steel pipe guardrails

## HISTORICAL DATA

<b>erection date:</b> c1925	
<b>erection cost:</b> unknown	
<b>designer:</b> unknown	
<b>fabricator :</b> Illinois Bridge Company, Chicago IL	
<b>contractor :</b> unknown	
<b>references:</b>	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 174000.1; field inspection by Clayton Fraser, 13 September 1990.
<b>sign. rating:</b> 28	
<b>evaluation:</b>	NRHP non-eligible (typically configured example of rigid-connected truss design)

Inventoried by: Clayton B. Fraser 7 January 1992

# Vermillion Bridge

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CLAR20

## GENERAL DATA

<b>structure no.:</b>	184000.6	<b>city/town:</b>	1.0 mile west of Wayland
<b>county:</b>	Clark	<b>feature inters.:</b>	Fox River
		<b>cadastral grid:</b>	S36/31, T65N, R7/6W
		<b>highway route:</b>	County Road 184
		<b>highway distr.:</b>	3
		<b>current owner:</b>	Clark County

## STRUCTURAL DATA

<b>superstructure:</b>	steel, 5-panel, pin-connected Pratt through truss, with steel stringer approach spans		
<b>substructure:</b>	steel pile bent abutments with timber backwalls; concrete-filled steel cylinder piers		
<b>span number:</b>	1	<b>condition:</b>	fair
<b>span length:</b>	85.0'	<b>alterations:</b>	none
<b>total length:</b>	136.0'	<b>floor/decking :</b>	timber deck over steel stringers
<b>roadway width:</b>	12.0'	<b>other features:</b>	upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 looped rectangular eyebars; vertical: 4 angles with lacing; diagonal: 2 looped rectangular eyebars; counter: round eyebar with turn-buckle; lateral bracing: round rod with threaded ends; floor beam: I-beam, U-bolted to lower chord pins; guardrail: steel angle

## HISTORICAL DATA

<b>erection date:</b>	1899
<b>erection cost:</b>	\$3253.00 (three-bridge contract)
<b>designer:</b>	unknown
<b>fabricator :</b>	unknown
<b>contractor:</b>	James B. Diver and Company, Keokuk IA
<b>references:</b>	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 184000.6; Clark County Court Record, Book P: page 531 (8 February 1899), page 604 (5 June 1899) - located at Clark County Courthouse, Kahoka MO; field inspection by Clayton Fraser, 13 September 1990.
<b>sign. rating:</b>	43
<b>evaluation:</b>	NRHP non-eligible (typical example of a common truss configuration, with standard detailing, unremarkable dimensions and an average degree of physical integrity.)

inventoried by: Clayton B. Fraser 7 January 1992

# Wyaconda River Bridge

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CLAR21

## GENERAL DATA

<b>structure no.:</b>	257002.2	<b>city/town:</b>	6.6 miles south of Kahoka
<b>county:</b>	Clark	<b>feature inters.:</b>	Wyaconda River
		<b>cadastral grid:</b>	S24/25, T64N, R8W
		<b>highway route:</b>	County Road 257
		<b>highway distr.:</b>	3
		<b>current owner:</b>	Clark County

## STRUCTURAL DATA

<b>superstructure:</b>	steel, 8-panel, rigid-connected Parker through truss		
<b>substructure:</b>	concrete abutments and wingwalls; steel pile bent piers		
<b>span number:</b>	1	<b>condition:</b>	fair
<b>span length:</b>	160.0'	<b>alterations:</b>	none
<b>total length:</b>	201.0'	<b>floor/decking :</b>	asphalt over corrugated steel deck, with steel stringers
<b>roadway width:</b>	13.7'	<b>other features:</b>	steel angle guardrails

## HISTORICAL DATA

<b>erection date:</b>	c1925
<b>erection cost:</b>	unknown
<b>designer:</b>	unknown
<b>fabricator :</b>	unknown
<b>contractor :</b>	unknown
<b>references:</b>	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 257002.2.
<b>sign. rating:</b>	30
<b>evaluation:</b>	NRHP non-eligible (typically built riveted Parker through truss - a MSHD standard design for medium- and long-span river crossings in the 1920s and 1930s)

inventoried by: Clayton B. Fraser    7 January 1992

# Riney Bridge

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CLAR23

## GENERAL DATA

<b>structure no.:</b> 276000.9	<b>city/town:</b> 0.8 mile south of Winchester
<b>county:</b> Clark	<b>feature inters.:</b> Honey Creek
	<b>cadastral grid:</b> S36, T64N, R7W
	<b>highway route:</b> County Road 276
	<b>highway distr.:</b> 3
	<b>current owner:</b> Clark County

## STRUCTURAL DATA

<b>superstructure:</b> steel, 5-panel, pin-connected Pratt pony truss	
<b>substructure:</b> concrete-filled steel cylinder piers	
<b>span number:</b> 1	<b>condition:</b> fair
<b>span length:</b> 70.0'	<b>alterations:</b> none
<b>total length:</b> 124.0'	<b>floor/decking :</b> timber deck
<b>roadway width:</b> 11.8'	<b>other features:</b> steel angle guardrails

## HISTORICAL DATA

<b>erection date:</b> 1910	
<b>erection cost:</b> unknown	
<b>designer:</b> unknown	
<b>fabricator :</b> unknown	
<b>contractor:</b> George H. Turner, Wyaconda MO	
<b>references:</b>	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 276000.9; Clark County Court Record, Book S: page 469 (13 December 1910) - located at Clark County Court-house, Kahoka MO.
<b>sign. rating:</b> 38	
<b>evaluation:</b>	NRHP non-eligible (typically configured example of common structural type)

**inventoried by:** Clayton B. Fraser    7 January 1992

# Fox River Bridge

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CLAR25

## GENERAL DATA

<b>structure no.:</b> 305000.4	<b>city/town:</b> 2.7 miles west of Alexandria
<b>county:</b> Clark	<b>feature inters.:</b> Fox River
	<b>cadastral grid:</b> S11/12, T64N, R6W
	<b>highway route:</b> County Road 305
	<b>highway distr.:</b> 3
	<b>current owner:</b> Clark County

## STRUCTURAL DATA

<b>superstructure:</b> steel, 5-panel, pin-connected Pratt pony truss, with steel stringer approach spans	
<b>substructure:</b> steel pile bent abutments with timber backwalls; concrete-filled steel cylinder piers	
<b>span number:</b> 1	<b>condition:</b> unknown
<b>span length:</b> 80.0'	<b>alterations:</b> none
<b>total length:</b> 113.0'	<b>floor/decking :</b> timber deck over steel stringers
<b>roadway width:</b> 11.7'	<b>other features:</b> upper chord and inclined end post: 2 channels with cover plate and lacing; lower chord: 2 punched rectangular eyebars; vertical: 4 angles with lacing; diagonal: 2 punched rectangular eyebars; lateral bracing: round rod with threaded ends; floor beam: I-beam, field-bolted to vertical; guardrail: 2 channels

## HISTORICAL DATA

<b>erection date:</b> c1910	
<b>erection cost:</b> unknown	
<b>designer:</b> unknown	
<b>fabricator :</b> Lackawanna Steel Company, Pittsburgh PA	
<b>contractor:</b> unknown	
<b>references:</b> Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 305000.4; field inspection by Clayton Fraser, 13 September 1990.	
<b>sign. rating:</b> 33	
<b>evaluation:</b> NRHP non-eligible (typically configured example of pinned pony truss construction)	

Inventoried by: Clayton B. Fraser 7 January 1992

# Sugar Creek Bridge

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CLAR26

## GENERAL DATA

<b>structure no.:</b>	312001.2	<b>city/town:</b>	8.6 miles southeast of Kahoka
<b>county:</b>	Clark	<b>feature inters.:</b>	Sugar Creek
		<b>cadastral grid:</b>	S18, T64N, R6W
		<b>highway route:</b>	County Road 312
		<b>highway distr.:</b>	3
		<b>current owner:</b>	Clark County

## STRUCTURAL DATA

<b>superstructure:</b>	steel, 4-panel, pin-connected Pratt pony truss		
<b>substructure:</b>	steel pile bent abutments with timber backwalls; concrete-filled steel cylinder piers		
<b>span number:</b>	1	<b>condition:</b>	fair
<b>span length:</b>	50.0'	<b>alterations:</b>	none
<b>total length:</b>	75.0'	<b>floor/decking :</b>	concrete on corrugated steel over steel stringers
<b>roadway width:</b>	15.7'	<b>other features:</b>	steel angle guardrails

## HISTORICAL DATA

<b>erection date:</b>	c1910
<b>erection cost:</b>	unknown
<b>designer:</b>	unknown
<b>fabricator :</b>	unknown
<b>contractor :</b>	unknown
<b>references:</b>	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 312001.2; field inspection by Clayton B. Fraser, 13 September 1990.
<b>sign. rating:</b>	28
<b>evaluation:</b>	NRHP non-eligible (typical example of common structural type)

Inventoried by: Clayton B. Fraser 7 January 1992

# Fox Slough Bridge

CLAR27

## GENERAL DATA

<b>structure no.:</b> 317002.4	<b>city/town:</b> 3.8 miles southwest of Alexandria
<b>county:</b> Clark	<b>feature inters.:</b> Fox River
	<b>cadastral grid:</b> S25, T64N, R6W
	<b>highway route:</b> vacated county road
	<b>highway distr.:</b> 3
	<b>current owner:</b> Clark County

## STRUCTURAL DATA

<b>superstructure:</b> steel, 6-panel, pin-connected Pratt through truss, with steel stringer approach spans	
<b>substructure:</b> timber pile bent abutments and wingwalls; concrete-filled steel cylinder piers	
<b>span number:</b> 1	<b>condition:</b> fair
<b>span length:</b> 108.0'	<b>alterations:</b> none
<b>total length:</b> 155.0'	<b>floor/decking :</b> timber deck over steel stringers
<b>roadway width:</b> 11.7'	<b>other features:</b> upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 looped rectangular eyebars; vertical: 2 channels with lacing (2 looped round eyebars at hip); diagonal: 2 looped rectangular eyebars; counter: round eyerod with turnbuckle; lateral bracing: round rod with threaded ends; strut: 4 angles with lacing, knee braced; floor beam: I-beam, U-bolted to lower chord pins; guardrail: steel angle

## HISTORICAL DATA

<b>erection date:</b> 1897	
<b>erection cost:</b> unknown	
<b>designer:</b> unknown	
<b>fabricator :</b> Jones and Laughlin Steel Company, Pittsburgh PA	
<b>contractor:</b> James B. Diver and Company, Keokuk IA	
<b>references:</b>	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 317002.4; Clark County Court Record, Book P: page 52 (6 February 1896), page 60 (16 March 1896), page 287 (4 August 1897), page 318 (1 November 1897) - located at Clark County Courthouse, Kahoka MO; field inspection by Clayton Fraser, 13 September 1990.
<b>sign. rating:</b> 49	
<b>evaluation:</b>	NRHP possibly eligible (well-preserved, early example of a mainstay truss configuration)

**inventoried by:** Clayton B. Fraser 7 January 1992

# Honey Creek Bridge

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CLAR28

## GENERAL DATA

<b>structure no.:</b>	319000.7	<b>city/town:</b>	2.6 miles southeast of Winchester
<b>county:</b>	Clark	<b>feature inters.:</b>	Honey Creek
		<b>cadastral grid:</b>	S28/33, T64N, R6W
		<b>highway route:</b>	County Road 319
		<b>highway distr.:</b>	3
		<b>current owner:</b>	Clark County

## STRUCTURAL DATA

<b>superstructure:</b>	steel, 5-panel, pin-connected Pratt pony truss		
<b>substructure:</b>	steel pile bent abutments with timber backwalls		
<b>span number:</b>	1	<b>condition:</b>	fair
<b>span length:</b>	67.0'	<b>alterations:</b>	none
<b>total length:</b>	69.0'	<b>floor/decking :</b>	timber deck over steel stringers
<b>roadway width:</b>	13.6'	<b>other features:</b>	upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 looped rectangular eyebars; vertical: 4 angles with lacing; diagonal: 2 looped rectangular eyebars; counter: round eyerod with turn-buckle; lateral bracing: round rod with threaded ends; floor beam: I-beam, field-bolted to vertical; guardrail: steel angle; builder's plate: [broken] ...Diver Co...Iowa

## HISTORICAL DATA

<b>erection date:</b>	1904
<b>erection cost:</b>	unknown
<b>designer:</b>	unknown
<b>fabricator :</b>	unknown
<b>contractor:</b>	James B. Diver and Company, Keokuk IA
<b>references:</b>	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 319000.7; field inspection by Clayton Fraser, 13 September 1990.
<b>sign. rating:</b>	40
<b>evaluation:</b>	NRHP non-eligible (typical example of common truss type)

inventoried by: Clayton B. Fraser 7 January 1992

# Wilson Bridge

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CLAR30

## GENERAL DATA

<b>structure no.:</b> 328002.2	<b>city/town:</b> 4.8 miles south of Fairmont
<b>county:</b> Clark	<b>feature inters.:</b> Bear Creek
	<b>cadastral grid:</b> S15, T63N, R9W
	<b>highway route:</b> County Road 328
	<b>highway distr.:</b> 3
	<b>current owner:</b> Clark County

## STRUCTURAL DATA

<b>superstructure:</b> steel, 3-panel, pin-connected Pratt pony truss, with steel stringer approach spans	
<b>substructure:</b> concrete-filled steel cylinder piers	
<b>span number:</b> 1	<b>condition:</b> fair
<b>span length:</b> 45.0'	<b>alterations:</b> none
<b>total length:</b> 70.0'	<b>floor/decking :</b> timber deck
<b>roadway width:</b> 11.7'	<b>other features:</b> steel angle guardrails

## HISTORICAL DATA

<b>erection date:</b> 1911
<b>erection cost:</b> unknown
<b>designer:</b> unknown
<b>fabricator :</b> unknown
<b>contractor:</b> George H. Turner, Wyaconda MO

**references:** Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 328002.2; Clark County Court Record, Book S: page 336 (1 June 1910), page 483 (15 December 1910) - located at Clark County Courthouse, Kahoka MO.

<b>sign. rating:</b> 35
<b>evaluation:</b> NRHP non-eligible (typically configured, modestly scaled example of common structural type)

**inventoried by:** Clayton B. Fraser    7 January 1992

# Wyaconda River Bridge

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CLAR32

## GENERAL DATA

<b>structure no.:</b> 358000.6	<b>city/town:</b> 9.6 miles south of Kahoka
<b>county:</b> Clark	<b>feature inters.:</b> Wyaconda River
	<b>cadastral grid:</b> S4/5, T63N, R7W
	<b>highway route:</b> County Road 358
	<b>highway distr.:</b> 3
	<b>current owner:</b> Clark County

## STRUCTURAL DATA

<b>superstructure:</b> steel, 6-panel, pin-connected Pratt through truss, with steel stringer approach spans	
<b>substructure:</b> steel pile bent abutments with concrete backwalls; concrete-filled steel cylinder piers	
<b>span number:</b> 1	<b>condition:</b> fair
<b>span length:</b> 120.0'	<b>alterations:</b> none
<b>total length:</b> 164.0'	<b>floor/decking :</b> asphalt on corrugated steel, with steel stringers
<b>roadway width:</b> 13.5'	<b>other features:</b> upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 punched rectangular eyebars; vertical: 2 channels with lacing (2 looped round eyebars at hip); diagonal: 2 punched rectangular eyebars; counter: round eyerod with turnbuckle; lateral bracing: round rod with threaded ends; strut: 2 angles; portal strut: A-frame; floor beam: I-beam, field-bolted to vertical; guard-rail: 2 channels

## HISTORICAL DATA

<b>erection date:</b> c1910
<b>erection cost:</b> unknown
<b>designer:</b> unknown
<b>fabricator :</b> unknown
<b>contractor :</b> unknown

**references:** Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 358000.6; field inspection by Clayton Fraser, 13 September 1990.

<b>sign. rating:</b> 31
<b>evaluation:</b> NRHP non-eligible (undocumented pinned Pratt through truss of average span length and standard detailing)

**inventoried by:** Clayton B. Fraser    7 January 1992

# Wyaconda River Bridge

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CLAR33

## GENERAL DATA

structure no.:	367000.4	city/town:	11.1 miles south of Kahoka
county:	Clark	feature inters.:	Wyaconda River
		cadastral grid:	S9/16, T63N, R7W
		highway route:	County Road 367
		highway distr.:	3
		current owner:	Clark County

## STRUCTURAL DATA

superstructure:	steel, 7-panel, rigid-connected Pratt through truss		
substructure:	steel pile bent abutments with timber backwalls; concrete-filled steel cylinder piers		
span number:	1	condition:	fair
span length:	140.0'	alterations:	none
total length:	141.0'	floor/decking :	asphalt on corrugated steel, with steel stringers
roadway width:	13.7'	other features:	upper chord and inclined end post: 2 channels with cover plate and lacing; lower chord: 2 angles with batten plates; vertical: 4 angles with batten plates; diagonal: 2 angles with batten plates; lateral bracing: round rod with threaded ends; strut: 2 angles with "X" bracing; portal strut: A-frame; floor beam: I-beam; guardrail: 2 channels

## HISTORICAL DATA

erection date:	c1925
erection cost:	unknown
designer:	unknown
fabricator :	Cambria Steel Company, Pittsburgh PA
contractor:	unknown
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 367000.4; field inspection by Clayton Fraser, 13 September 1990.
sign. rating:	28
evaluation:	NRHP non-eligible (poorly documented, typically configured example of riveted Pratt through truss construction)

inventoried by: Clayton B. Fraser 7 January 1992

# Honey Creek Bridge

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CLAR34

## GENERAL DATA

<b>structure no.:</b>	373000.8	<b>city/town:</b>	11.6 miles southeast of Kahoka
<b>county:</b>	Clark	<b>feature inters.:</b>	Honey Creek
		<b>cadastral grid:</b>	S5/6, T63N, R6W
		<b>highway route:</b>	County Road 373
		<b>highway distr.:</b>	3
		<b>current owner:</b>	Clark County

## STRUCTURAL DATA

<b>superstructure:</b>	steel, 4-panel, pin-connected Pratt pony truss		
<b>substructure:</b>	steel pile bent abutments with concrete backwalls		
<b>span number:</b>	1	<b>condition:</b>	fair
<b>span length:</b>	58.0'	<b>alterations:</b>	none
<b>total length:</b>	59.0'	<b>floor/decking :</b>	timber deck
<b>roadway width:</b>	11.8'	<b>other features:</b>	steel angle guardrails

## HISTORICAL DATA

<b>erection date:</b>	c1910
<b>erection cost:</b>	unknown
<b>designer:</b>	unknown
<b>fabricator :</b>	Cambria Steel Company, Pittsburgh PA
<b>contractor:</b>	unknown
<b>references:</b>	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 373000.8; field inspection by Clayton Fraser, 13 September 1990.
<b>sign. rating:</b>	26
<b>evaluation:</b>	NRHP non-eligible (poorly documented, typically configured example of Pratt pony truss design)

**inventoried by:** Clayton B. Fraser    7 January 1992

# HAER INVENTORY

Missouri Historic Bridge Inventory

**NAME(S) OF STRUCTURE**

St. Francisville Bridge (Des Moines River Bridge)  
MHTD: K 918

CLAR03

**DATE(S) OF CONSTRUCTION**

1936-37

**LOCATION**

State Supplementary Route B over Des Moines River; S4/5, T65N, R6W  
8.7 miles northeast of Kahoka; Clark County, Missouri

**USE (ORIGINAL / CURRENT)**

highway bridge / highway bridge

**RATING** NRHP determined eligible (score: 62)

**CONDITION**

good

**OWNER**

St. Francisville Bridge Commission

span number: 3  
span length: 228.0'  
total length: 763.0'  
roadway wdt.: 21.8'

superstructure: steel, 12-panel, rigid-connected cantilever Warren through truss  
substructure: concrete abutments and spill-through piers  
floor/decking: concrete deck over steel stringers  
other features: upper chord and inclined end post: 2 channels with cover plate and lacing; lower chord: 2 channels with lacing; vertical: 4 angles, laced; diagonal: 2 channels, laced; lateral bracing: 1 angle; strut: 4 angles, laced and braced; floor beam: I-beams; guardrail: 2 channels; bridge plate: **ST. FRANCISVILLE BRIDGE / FEDERAL EMERGENCY ADMINISTRATION OF PUBLIC WORKS / PROJECT NO. 3395-R; builder's plate: ST. FRANCISVILLE BRIDGE / BUILT BY / WAYLAND SPECIAL ROAD DISTRICT NO. 1 / CLARK COUNTY, MISSOURI / BOARD OF SUPERVISORS / O.T. BROWN / CHAS. H. KRUEGER / WILFORD ORR / R.A. KEARNS / SVERDRUP AND PARCEL / CONSULTING ENGINEERS / F.W. WHITEHEAD CONTRACTOR / A.D. 1936**

The St. Francisville Bridge carries Missouri Supplemental Route B, and Iowa Route 394 over the Des Moines River, between Clark County, Missouri, and Lee County, Iowa. A three-span, rigid-connected Warren through truss cantilevered over the river, the imposing crossing is supported by a concrete substructure with subtle Art Moderne detailing. Designed by the esteemed engineering firm of Sverdrup and Parcel, the bridge was built by F.W. Whitehead, an otherwise obscure contractor. Construction efforts were organized by the Wayland Special Road District No. 1 in Clark County, and funding was provided in part through the Federal Emergency Administration of the Public Works, under Project No. 3395-R. Since its completion in June 1937, the St. Francisville Bridge has functioned as a toll bridge, and it is now Missouri's only such crossing still in non-government hands. As of early 1991, the rate for a one-way crossing was 25 cents.

Located at what must be Missouri's most remote interstate crossing, the St. Francisville Bridge is one of the state's few remaining toll bridges. In this it represents a nationwide trend toward toll bridge construction in the 1920s and 1930s. Toll bridges were built at major crossings throughout the country during this time by private companies, small corporations or local citizen groups, to fill the void created by state government inaction. Multiple-span structures such as the Hermann Bridge, the Gasconade Bridge, the Cape Girardeau Bridge and the Jerome Bridge were all built as toll structures and later opened to free traffic once their funding bonds had been retired. The

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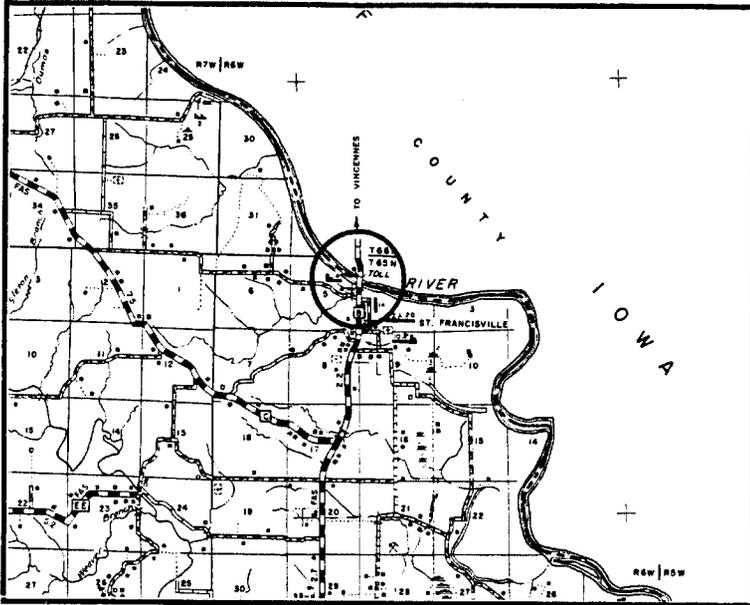
St. Francisville Bridge, on the other hand, is the only such structure still in private hands and still operating as a toll structure. The bridge is technologically distinguished as a relatively uncommon example of cantilevered truss construction. The cantilevered through truss was a signature design of St. Louis-based Sverdrup and Parcel, which also engineered the similarly configured Hermann, Gasconade and Hannibal bridges. The cantilevered Warren truss configuration is uncommon for a bridge of the scale of St. Francisville, however, more often found on the major Missouri and Mississippi River bridges. A well-preserved interstate crossing, the St. Francisville Bridge is an important highway-related resource.

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**NAME(S) OF STRUCTURE**

St. Francisville Bridge (Des Moines River 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 K 918; field inspection by Clayton Fraser, 13 September 1990.

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**INVENTORIED BY**  
Clayton B. Fraser

**AFFILIATION**  
Fraserdesign, Loveland CO

**DATE**  
7 January 1992

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# HAER INVENTORY

Missouri Historic Bridge Inventory

**NAME(S) OF STRUCTURE**

Wilson Bridge  
MHTD: 029R00.7

CLAR04

**DATE(S) OF CONSTRUCTION**

1898

**LOCATION**

County Road 29 over North Wyaconda River; S31, T66N, R9W  
4.1 miles northwest of Luray; Clark/Scotland County, Missouri

**USE (ORIGINAL / CURRENT)**

roadway bridge / roadway bridge

**RATING** NRHP possibly eligible (score: 55)

**CONDITION**

fair

**OWNER**

Clark / Scotland County

span number: 1  
span length: 80.0'  
total length: 120.0'  
roadway wdt.: 11.7'

superstructure: steel, 6-panel, pin-connected Pratt pony truss, with steel stringer approach spans  
substructure: concrete-filled steel cylinder piers  
floor/decking: timber deck over steel stringers  
other features: upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 looped rectangular eyebars; vertical: 4 angles with lacing; diagonal: 2 looped rectangular eyebars; lateral bracing: round rod with threaded ends; floor beam: I-beam, U-bolted to lower chord pins; guardrail: steel angle; bridge plate: **Sam S. Bowman, Co. Judge Geo. H. Haywood, Geo. H. Harter, Presiding, O.F. Ensign, Com[m]issioner**

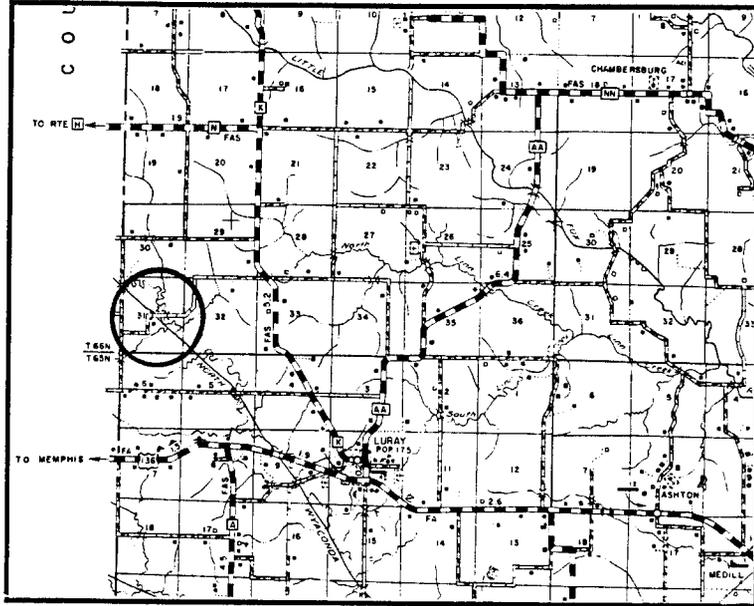
Located some four miles northwest of Luray, this pinned Pratt pony truss carries a gravel-surfaced road over the North Wyaconda River. The structure's history dates to just prior to the turn of the century. On September 16, 1898, Clark County contracted with James B. Diver, a bridge contractor located at nearby Keokuk, Iowa, to build two steel bridges. One was a 40-foot truss built over the Little Fox River near Chambersburg; the other was this 80-foot span over the Wyaconda. Diver completed both structures in a little over three months' time; on December 20, 1898 he was paid \$1840.00 for both bridges. Known historically as the Wilson Bridge, apparently for an adjacent landowner, the structure today appears little changed from its original construction.

Thousands of Pratt trusses were erected throughout Missouri in the late 19th and early 20th centuries. Marketed by virtually all of the in-state and regional bridge companies, this versatile structural type was used overwhelmingly by the counties for short- and medium-span applications. With noteworthy dimensions and well-preserved condition, the Wilson Bridge typifies this statewide bridge building trend.

**NAME(S) OF STRUCTURE**

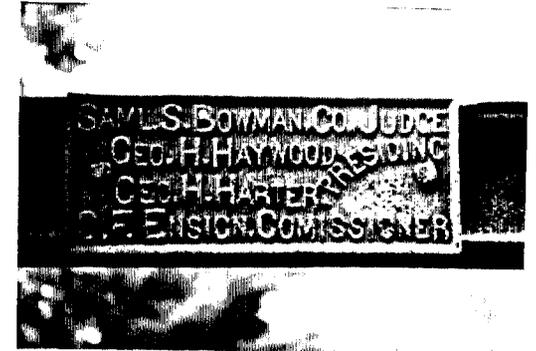
Wilson Bridge (North Wyaconda River Bridge)

**PHOTOS AND SKETCH MAP OF LOCATION**



**LOCATION MAP**

TAKEN FROM MISSOURI HIGHWAY AND TRANSPORTATION DEPARTMENT  
GENERAL HIGHWAY MAP



**SOURCES**

Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 029R00.7; Clark County Court Record, Book P: page 483 (6 September 1898), page 508 (20 December 1898) - located at Clark County Courthouse, Kahoka MO; field inspection by Clayton Fraser, 13 September 1990.

**INVENTORIED BY**

Clayton B. Fraser

**AFFILIATION**

Fraserdesign, Loveland CO

**DATE**

7 January 1992

# HAER INVENTORY

Missouri Historic Bridge Inventory

**NAME(S) OF STRUCTURE**

Vermillion Bridge (Fox River Bridge)  
MHTD: 184000.6

CLAR20

**DATE(S) OF CONSTRUCTION**

1899

**LOCATION**

County Road 184 over Fox River; S36/31, T65N, R7/6W  
1.0 mile west of Wayland; Clark County, Missouri

**USE (ORIGINAL / CURRENT)**

roadway bridge / roadway bridge

**RATING** NRHP non-eligible (score: 43)

**CONDITION**

fair

**OWNER**

Clark County

span number: 1  
span length: 85.0'  
total length: 136.0'  
roadway wdt.: 12.0'

superstructure: steel, 5-panel, pin-connected Pratt through truss, with steel stringer approach spans  
substructure: steel pile bent abutments with timber backwalls; concrete-filled steel cylinder piers  
floor/decking: timber deck over steel stringers  
other features: upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 looped rectangular eyebars; vertical: 4 angles with lacing; diagonal: 2 looped rectangular eyebars; counter: round eyebar with turnbuckle; lateral bracing: round rod with threaded ends; floor beam: I-beam, U-bolted to lower chord pins; guardrail: steel angle

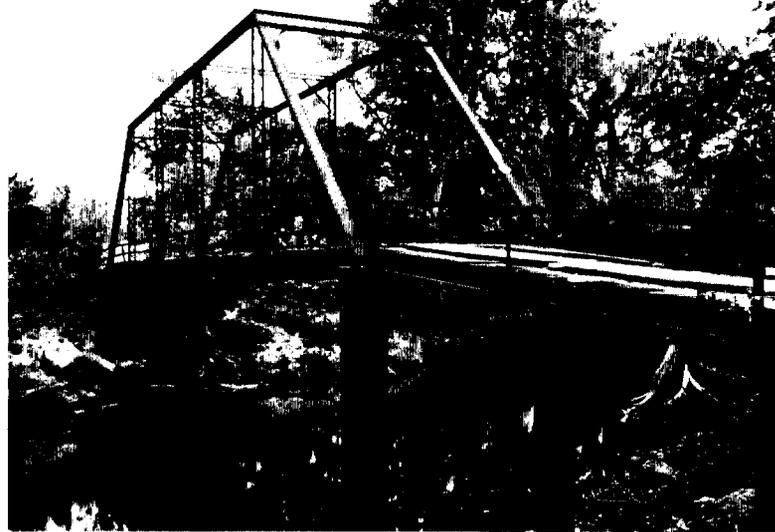
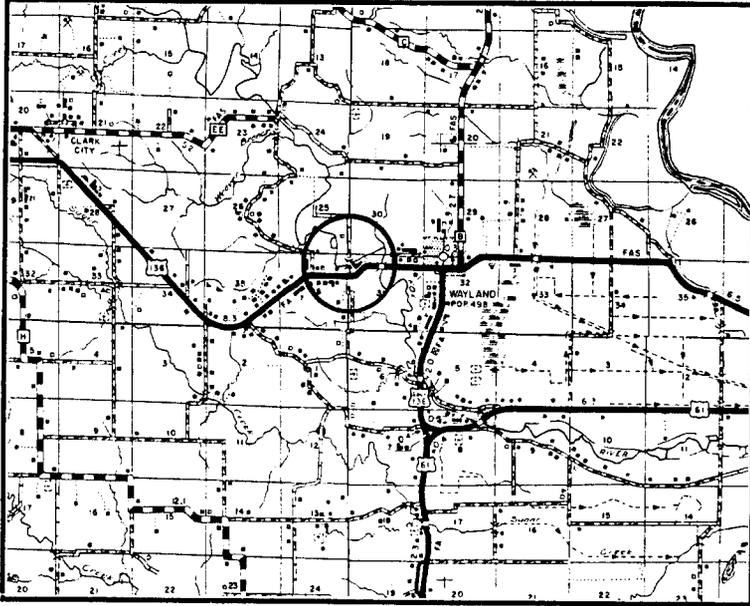
Located a mile west of Wayland, this short-span through truss carries a gravel-surfaced county road across the Fox River in eastern Clark County. The structure is comprised of a pinned Pratt truss, supported by steel cylinder piers, with steel stringer approach spans on both ends. Known locally as the Vermillion Bridge, it dates from the late 19th century. In February 1899, the Clark County Court hired Keokuk, Iowa, bridge contractor James B. Diver to build this truss and two other, shorter spans. The three bridges were to be completed by June 1st, for which Diver would be paid \$3253.00. The contractor did indeed complete the Vermillion Bridge by the beginning of June. It has carried vehicular traffic since at this rural crossing, with only maintenance-related repairs. The bridge is a typically configured, modestly scaled example of a mainstay structural type in Missouri - the pin-connected Pratt truss.

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**NAME(S) OF STRUCTURE**

Vermillion Bridge (Fox River 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 184000.6; Clark County Court Record, Book P: page 531 (8 February 1899), page 604 (5 June 1899) - located at Clark County Courthouse, Kahoka MO; field inspection by Clayton Fraser, 13 September 1990.

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**INVENTORIED BY**

Clayton B. Fraser

**AFFILIATION**

Fraserdesign, Loveland CO

**DATE**

7 January 1992

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# HAER INVENTORY

Missouri Historic Bridge Inventory

**NAME(S) OF STRUCTURE**

Beard Bridge (South Wyaconda River Bridge)  
MHTD: 110002.3

CLAR10

**DATE(S) OF CONSTRUCTION**

1913-14

**LOCATION**

County Road 110 over South Wyaconda River; S28, T65N, R9W  
2.0 miles northeast of Wyaconda; Clark County, Missouri

**USE (ORIGINAL / CURRENT)**

roadway bridge / roadway bridge

**RATING** NRHP non-eligible (score: 37)

**CONDITION**

fair

**OWNER**

Clark County

span number: 1  
span length: 105.0'  
total length: 159.0'  
roadway wdt.: 11.7'

superstructure: steel, 6-panel, pin-connected Pratt through truss, with steel stringer approach spans  
substructure: steel pile bent abutments with timber backwalls; concrete-filled steel cylinder piers  
floor/decking: timber deck over steel stringers  
other features: upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 punched rectangular eyebars; vertical: 2 channels with lacing; diagonal: 2 punched rectangular eyebars; counter: round eyerod with turnbuckle; lateral bracing: round rod with threaded ends; strut: 2 angles; portal strut: A-frame; floor beam: I-beam, field-bolted to vertical; guardrail: 2 channels

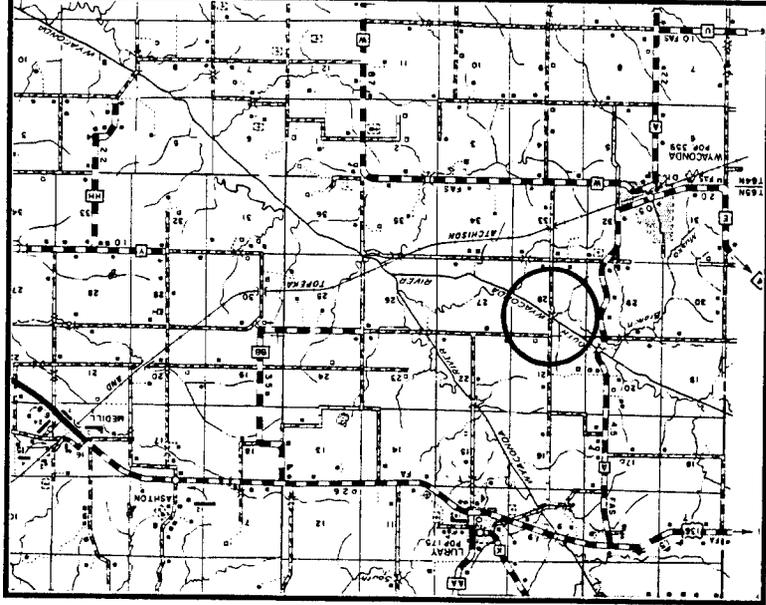
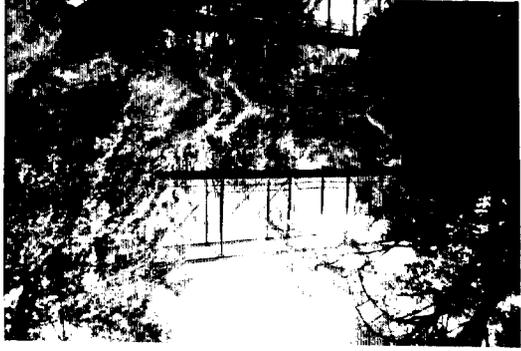
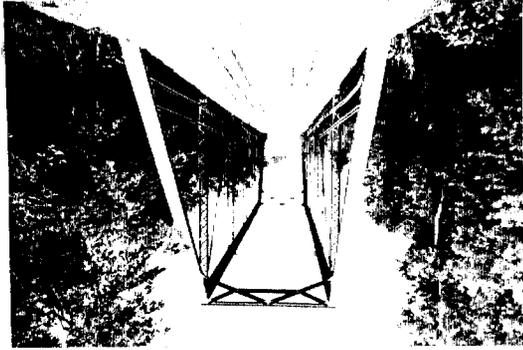
On August 13, 1913, the Clark County Court directed that bids be received to build four steel bridges over the Wyaconda River, then undergoing channelization by the county. Several bridge building firms submitted proposals in early September, but they were all rejected by the court. The project was then relet, and on September 13th new bids were received from three companies: the Massillon Bridge Company of Massillon, Ohio, along with regionally active builders St. Clair and Walker, and George E. Turner. With a combined bid of \$6851.88, Turner received the contract to build all four bridges, along with another small span across Honey Creek. Of the total, \$1425.00 was for this pinned Pratt through truss, known locally as the Beard Bridge, northeast of the town of Wyaconda. Located along a lightly-trafficked county road, the Beard Bridge still carries local traffic in unaltered condition.

This truss bridge over the South Wyaconda River has retained its structural integrity and is a well-documented example of a pin-connected Pratt through truss - a mainstay design for medium-span crossings in the late 19th and early 20th centuries.

**NAME(S) OF STRUCTURE**

Beard Bridge (South Wyaconda River Bridge)

**PHOTOS AND SKETCH MAP OF LOCATION**



**LOCATION MAP**

TAKEN FROM MISSOURI HIGHWAY AND TRANSPORTATION DEPARTMENT  
GENERAL HIGHWAY MAP

**SOURCES**

Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 110002.3; Clark County Court Record, Book T: page 172 (3 July 1913), page 184 (13 August 1913), page 190 (3 September 1913), page 191 (22 September 1913) - located at the Clark County Courthouse, Kahoka MO; field inspection by Clayton Fraser, 13 September 1990.

**INVENTORIED BY**

Clayton F Fraser

**AFFILIATION**

Fraserdesign, Cleveland CO

**DATE**

7 January 1992

# HAER INVENTORY

Missouri Historic Bridge Inventory

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**NAME(S) OF STRUCTURE**

Fox Slough Bridge  
MHTD: 317002.4

CLAR27

**DATE(S) OF CONSTRUCTION**

1897

**LOCATION**

vacated county road over Fox River; S25, T64N, R6W  
3.8 miles southwest of Alexandria; Clark County, Missouri

**USE (ORIGINAL / CURRENT)**

roadway bridge / abandoned

**RATING** NRHP possibly eligible (score: 49)

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**CONDITION**

fair

**OWNER**

Clark County

span number: 1  
span length: 108.0'  
total length: 155.0'  
roadway wdt.: 11.7'

superstructure: steel, 6-panel, pin-connected Pratt through truss, with steel stringer approach spans  
substructure: timber pile bent abutments and wingwalls; concrete-filled steel cylinder piers  
floor/decking: timber deck over steel stringers  
other features: upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 looped rectangular eyebars; vertical: 2 channels with lacing (2 looped round eyebars at hip); diagonal: 2 looped rectangular eyebars; counter: round eyerod with turnbuckle; lateral bracing: round rod with threaded ends; strut: 4 angles with lacing, knee braced; floor beam: I-beam, U-bolted to lower chord pins; guardrail: steel angle

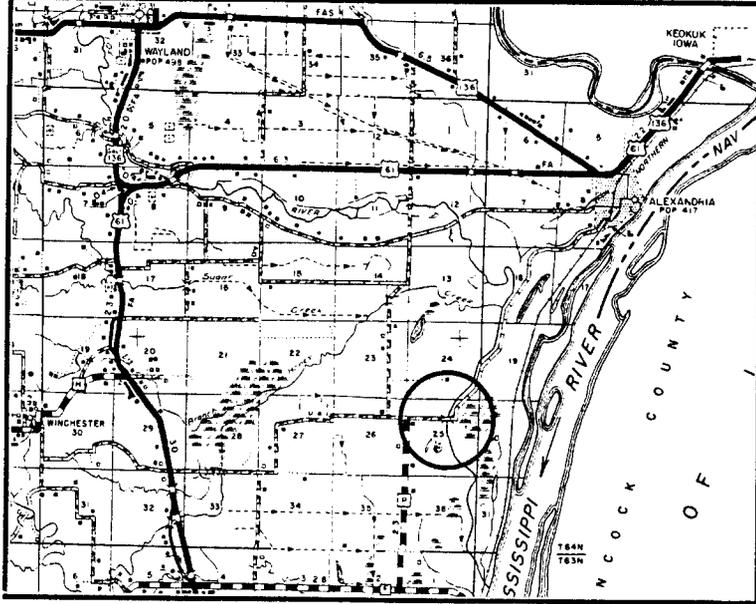
Located over a backwater slough of the Mississippi River southwest of Alexandria, this steel structure is comprised of a pinned Pratt through truss, supported by steel cylinder piers, with steel stringer approach spans. The Clark County Court initiated action on the bridge in February 1896. At that time it directed O.F. Ensign, the county road and bridge commissioner, to view this site near Harvey Fox's farm on the newly built road south of Alexandria. Ensign reported in March that an iron bridge, approximately 100 feet in length would be required here, "as that will undoubtedly be the main road from Canton, and the south part of Clay Township to Alexandria, Warsaw and Keokuk and will need a good road." He concluded, "I do not report any particular plan, as you will possibly adopt some one of the several plans that are now on file." The judges shelved Ensign's suggestion, leaving travelers through the swamp to their own devices. It was not until August 1897 that the county let the contract to build the Fox Slough Bridge to James B. Diver and Company of Keokuk, Iowa. Diver's crew began work on the substructure soon thereafter, completing the cylinder piers and pin-connected truss by November 1897. Essentially unaltered today, the Fox Slough Bridge is now closed to traffic and has been allowed to molder by the county.

From the early 1880s through the 1920s, the pinned Pratt truss was virtually the exclusive structural type for medium-span roadway crossings in Missouri. Its standardized fabrication, economy of materials and ease of erection made it a mainstay among the various state and regional bridge companies, as well as the state highway department itself in later years. Thousands of such trusses were built throughout the state during this period, and numerous examples remain in place today. The Fox Slough Bridge is distinguished as a relatively early, well-preserved example of this mainstay structural type. The oldest remaining bridge in Clark County, it is a significant transportation-related resource.

**NAME(S) OF STRUCTURE**

Fox Slough Bridge

**PHOTOS AND SKETCH MAP OF LOCATION**



**LOCATION MAP**

TAKEN FROM MISSOURI HIGHWAY AND TRANSPORTATION DEPARTMENT  
GENERAL HIGHWAY MAP

**SOURCES**

Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 317002.4; Clark County Court Record, Book P: page 52 (6 February 1896), page 60 (16 March 1896), page 287 (4 August 1897), page 318 (1 November 1897) - located at Clark County Courthouse, Kahoka MO; field inspection by Clayton Fraser, 13 September 1990.

**INVENTORIED BY**

Clayton B. Fraser

**AFFILIATION**

Fraserdesign, Loveland CO

**DATE**

7 January 1992