

HARRISON COUNTY

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

Inv. No.	MHTD	Bridge Name	Description
HARR01	F 595	Big Creek Bridge	(replaced)
HARR02	J 655	Thompson River Bridge	1-140' riveted Pratt through truss 1933 Fred M. Clark and Son
HARR03	005000.3	Lotts Creek Bridge	1- 60' pinned Pratt pony truss c1910
HARR04	023000.4	Big Creek Bridge	(replaced)
HARR05	059000.7	Indian Creek Bridge	(replaced)
HARR06	147001.9	Big Muddy Creek Bridge	1- 70' pinned Pratt pony truss c1910
HARR07	163000.3	Big Creek Bridge	1- 72' pinned Pratt pony truss c1910
HARR08	170001.1	Big Creek Bridge	1- 70' pinned Pratt bedstead 1910 county work force
HARR09	188000.2	Brush Creek Bridge	(replaced)
HARR10	229R01.5	Big Creek Bridge	1- 70' pinned Pratt bedstead c1910
HARR11	264R00.5	Big Muddy Creek Bridge	1- 40' pinned Pratt bedstead 1903 Dildine Bridge Co., Cameron MO
*HARR12	268000.0	Big Muddy Creek Bridge	1- 42' rivet 2-angle Warren pony truss c1920
HARR13	290R00.9	Big Creek Bridge	(replaced)
HARR14	296000.6	Big Creek Bridge	1- 80' pinned Pratt pony truss 1901 Dildine Bridge Co., Cameron MO
HARR15	313000.4	Panther Creek Bridge	(replaced)
HARR16	319R02.8	Panther Creek Bridge	1- 45' pinned Pratt pony truss 1913 county work force
HARR17	339000.9	Trail Creek Bridge	1- 54' pinned Pratt pony truss 1915 Kansas City Bridge Company
HARR18	359000.2	Big Creek Bridge	1- 80' pinned Pratt pony truss c1910
HARR19	368000.3	Big Creek Bridge	1- 80' pinned Pratt bedstead 1915 Dildine Bridge Co., Hannibal MO
*HARR20	436002.6	Big Creek Bridge	1- 90' pinned Pratt through truss 1905 Dildine Bridge Co., Cameron MO
HARR21	566000.7	Fox Creek Bridge	1- 40' pinned Pratt bedstead 1914 county work force
HARR22	574001.0	Sugar Creek Bridge	1- 60' pinned Pratt pony truss 1918 Dildine Bridge Co. / county crew
HARR23	597002.3	Sampson Creek Bridge	1- 60' pin Pratt half-hip pony truss c1910
HARR24	640000.3	Polecat Creek Bridge	1- 50' pinned Pratt pony truss 1917 Dildine Bridge Co. / county crew

HARRISON COUNTY

INCLUDED (cont.):

*HARR25	641001.5	Big Creek Bridge	1-100'	pinned Pratt through truss
			c1905	
*HARR26	687001.0	Big Creek Bridge	1-110'	pinned Pratt through truss
			c1910	Dildine Bridge Co., Cameron MO

EXCLUDED:

Pratt pony truss

017002.2	062500.2	102002.9	156000.1	165000.7	221000.6	242002.1
305500.1	405000.5	426000.5	463000.7	476000.7	559000.1	600000.16040005

Warren pony truss

H 753	J 653	017002.2
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Warren bedstead

019001.8	146000.7	158001.2	163002.1	175000.7	285000.4	287000.5
318000.5	373000.7	374000.8	376001.5	398000.4	508000.6	513001.8

Steel stringer

J 515	J 517	J 654	J 656	J 995	J 996	K 164
K 165	K 166	K 167	K 168	L 265	L 266	L 267
P 74	P 76	P 78	S 277	S 294	S 295	S 297
S 298	S 299	S 311	X 132	X 133	X 134	001000.8
005000.6	034500.3	034500.7	034500.8	045000.3	045001.1	055R02.4
057001.8	059000.6	061001.4	062500.1	086000.8	102001.8	113R00.5
115001.8	116R00.3	122001.7	123000.5	124000.6	135000.1	142002.5
146000.2	148000.1	162000.8	188001.5	192000.1	215000.3	222002.2
227R01.1	236000.4	248000.0	251000.7	251001.1	256000.5	279R01.0
258R00.9	263001.7	275001.1	283000.3	288R01.3	291000.1	299001.0
331R02.1	362000.3	363000.8	375000.7	379000.8	380000.9	381000.9
392000.2	393000.8	415001.1	417R01.4	434001.3	441000.3	442R00.3
448001.2	453003.1	461000.8	463R01.9	477000.1	483000.1	484001.8
494R01.3	495000.6	507000.4	507000.7	509R00.9	517000.2	527R00.1
535002.8	543000.3	550R00.7	573R01.9	575R01.7	577000.5	589000.2
593000.7	594000.5	594000.8	594001.7	599R00.6	603000.5	616000.3
625R00.9	629000.1	642000.3	666000.6	666000.7	692001.9	

Steel girder

048000.5	154001.0	331001.0	472000.3	475000.2
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Concrete girder

K 756	X 901	034500.4
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Concrete slab

H 789	239000.4
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HARRISON COUNTY

EXCLUDED (cont.):

Concrete box culvert

F 158R	H 754	J 518	J 519	K 566	L 263	P 73
S 276	T 495	X 131	X 902			

Timber stringer
034500.1

SUMMARY:

	Primary	Secondary	Urban	Other	Total
Included	1	19	0	0	20
Excluded	43	131	0	0	174
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	44	150	0	0	194 structures

Thompson River Bridge

HARR02

GENERAL DATA

structure no.: J 655	city/town: 9.5 miles southeast of Ridgeway
county: Harrison	feature inters.: Thompson River
	cadastral grid: S13/24, T64N, R26W
	highway route: State Highway 136
	highway distr.: 1
	current owner: Missouri Highway and Transportation Department

STRUCTURAL DATA

superstructure: steel, 7-panel, rigid-connected Pratt through truss, with Warren pony truss approach spans	
substructure: concrete abutments, wingwalls and piers	
span number: 1; 2	condition: good
span length: 140.0'; 70.0'	alterations: none
total length: 288.0'	floor/decking : concrete deck over steel stringers
roadway width: 22.0'	other features: steel guardrails

HISTORICAL DATA

erection date: 1933	
erection cost: \$34,211.09	
designer: Missouri State Highway Department	
fabricator : unknown	
contractor: Fred M. Clark and Son	
references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number J 655; Files on primary system bridges located at Missouri Highway and Transportation Department, Jefferson City MO.	
sign. rating: 41	
evaluation: NRHP non-eligible (typically configured example of MSHD highway truss design)	

Inventoried by: Michelle Crow-Dolby 21 August 1992

Lotts Creek Bridge

HARR03

GENERAL DATA

structure no.: 005000.3	city/town: 4.2 miles northwest of Hatfield
county: Harrison	feature inters.: Lotts Creek
	cadastral grid: S7, T66N, R29W
	highway route: County Road 5
	highway distr.: 1
	current owner: Harrison County / Worth County

STRUCTURAL DATA

superstructure: steel, 4-panel, pin-connected Pratt pony truss	
substructure: steel pile bent abutments with timber wingwalls	
span number: 1	condition: fair
span length: 60.0'	alterations: unknown
total length: 60.0'	floor/decking : timber deck
roadway width: 11.7'	other features: steel angle guardrails

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 005000.3.

sign. rating: 28
evaluation: NRHP non-eligible (typically configured, poorly documented example of common structural type)

inventoried by: Michelle Crow-Dolby 21 August 1992

Big Muddy Creek Bridge

HARR06

GENERAL DATA

structure no.: 147001.9	city/town: 9.3 miles southwest of Eagleville
county: Harrison	feature inters.: Big Muddy Creek
	cadastral grid: S9/10, T65N, R29W
	highway route: County Road 147
	highway distr.: 1
	current owner: Harrison County

STRUCTURAL DATA

superstructure: steel, 4-panel, pin-connected Pratt pony truss, with steel stringer approach spans	
substructure: steel pile bent piers and abutments with timber wingwalls	
span number: 1	condition: fair
span length: 70.0'	alterations: unknown
total length: 99.0'	floor/decking : timber deck
roadway width: 13.8'	other features: steel angle guardrails

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 147001.9.

sign. rating: 28
evaluation: NRHP non-eligible (typical example of common structural type)

inventoried by: Michelle Crow-Dolby 21 August 1992

Big Creek Bridge

HARR07

GENERAL DATA

structure no.: 163000.3	city/town: 2.6 miles southwest of Eagleville
county: Harrison	feature inters.: West Fork of Big Creek
	cadastral grid: S10, T65N, R28W
	highway route: County Road 163
	highway distr.: 1
	current owner: Harrison County

STRUCTURAL DATA

superstructure: steel, 4-panel, pin-connected Pratt pony truss, with steel stringer approach spans	
substructure: unknown	
span number: 1	condition: fair
span length: 72.0'	alterations: unknown
total length: 132.0'	floor/decking : timber deck
roadway width: 13.8'	other features: unknown

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 163000.3.	
sign. rating: 28	
evaluation: NRHP non-eligible (typical example of common structural type)	

inventoried by: Michelle Crow-Dolby 21 August 1992

Big Creek Bridge

HARR08

GENERAL DATA

structure no.:	170001.1	city/town:	3.0 miles southeast of Eagleville
county:	Harrison	feature inters.:	East Fork of Big Creek
		cadastral grid:	S17, T65N, R27W
		highway route:	County Road 170
		highway distr.:	1
		current owner:	Harrison County

STRUCTURAL DATA

superstructure:	steel, 4-panel, pin-connected Pratt bedstead, with steel stringer approach span		
substructure:	steel pile bent piers and timber wingwalls		
span number:	1	condition:	fair
span length:	70.0'	alterations:	unknown
total length:	86.0'	floor/decking :	timber deck
roadway width:	11.8'	other features:	steel angle guardrails

HISTORICAL DATA

erection date:	1910
erection cost:	\$1740.00
designer:	unknown
fabricator :	unknown
contractor :	county work force

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 170001.1; Harrison County Court Record, Book R: page 132 (5 August 1910) - located at Harrison County Courthouse, Bethany MO.

sign. rating:	40
evaluation:	NRHP non-eligible (typical example of common structural type)

inventoried by: Michelle Crow-Dolby 21 August 1992

Big Creek Bridge

HARR10

GENERAL DATA

structure no.: 229R01.5	city/town: 1.9 miles northwest of Ridgeway
county: Harrison	feature inters.: East Fork of Big Creek
	cadastral grid: S29, T65N, R27W
	highway route: County Road 229
	highway distr.: 1
	current owner: Harrison County

STRUCTURAL DATA

superstructure: steel, 4-panel, pin-connected Pratt bedstead, with steel stringer approach spans	
substructure: steel pile bent piers and timber wingwalls	
span number: 1	condition: fair
span length: 70.0'	alterations: west approach span rebuilt
total length: 92.0'	floor/decking : timber deck
roadway width: 11.7'	other features: steel angle guardrails

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 229R01.5.	
sign. rating: 30	
evaluation: NRHP non-eligible (typical example of common structural type)	

inventoried by: Michelle Crow-Dolby 21 August 1992

Big Muddy Creek Bridge

HARR11

GENERAL DATA

structure no.: 264R00.5	city/town: 5.4 miles northwest of Martinsville
county: Harrison	feature inters.: Big Muddy Creek
	cadastral grid: S20/29, T15N, R29W
	highway route: County Road 264
	highway distr.: 1
	current owner: Harrison County

STRUCTURAL DATA

superstructure: steel, 3-panel, pin-connected Pratt bedstead	
substructure: steel pile bent abutments with timber wingwalls	
span number: 1	condition: fair
span length: 40.0'	alterations: unknown
total length: 40.0'	floor/decking : timber deck
roadway width: 14.0'	other features: unknown

HISTORICAL DATA

erection date: 1903
erection cost: \$445.00
designer: Dildine Bridge Company, Cameron MO
fabricator : unknown
contractor : Dildine Bridge Company, Cameron MO
references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 264R00.5; Harrison County Court Record, Book O: page 487 (12 January 1903); Book P: page 55 (4 January 1904) - located at the Harrison County Courthouse, Bethany MO.
sign. rating: 36
evaluation: NRHP non-eligible (typical example of common structural type)

inventoried by: Michelle Crow-Dolby 21 August 1992

Big Muddy Creek Bridge

HARR12

GENERAL DATA

structure no.: 268000.0	city/town: 4.2 miles northwest of Martinsville
county: Harrison	feature inters.: Big Muddy Creek
	cadastral grid: S6, T64N, R29W
	highway route: County Road 268
	highway distr.: 1
	current owner: Harrison County

STRUCTURAL DATA

superstructure: steel, 3-panel, rigid-connected 2-angle Warren pony truss	
substructure: steel pile bent abutments with timber back- and wingwalls	
span number: 1	condition: fair
span length: 42.0'	alterations: abutments replaced, 1979
total length: 43.0'	floor/decking : timber deck over steel stringers
roadway width: 12.0'	other features: upper chord and inclined end post: 2 angles with cover plate; lower chord, vertical and diagonal: 2 angles; lateral bracing: round rods with threaded ends; floor beam: I-beams; guardrail: steel pipe

HISTORICAL DATA

erection date: c1920	
erection cost: unknown	
designer: unknown	
fabricator : unknown	
contractor : unknown	
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 268000.0; field inspection by Mitzi Rossillon, 17 September 1990.
sign. rating: 22	
evaluation:	NRHP non-eligible (undistinguished example of uncommon structural type)

inventoried by: Michelle Crow-Dolby 21 August 1992

Big Creek Bridge

HARR14

GENERAL DATA

structure no.: 296000.6	city/town: 7.2 miles southwest of Bethany
county: Harrison	feature inters.: East Fork of Big Creek
	cadastral grid: S8, T64N, R27W
	highway route: County Road 296
	highway distr.: 1
	current owner: Harrison County

STRUCTURAL DATA

superstructure: steel, 4-panel, pin-connected Pratt pony truss, with timber stringer approach spans	
substructure: unknown	
span number: 1	condition: fair
span length: 80.0'	alterations: unknown
total length: 109.0'	floor/decking : timber deck
roadway width: 12.0'	other features: unknown

HISTORICAL DATA

erection date: 1901	
erection cost: \$1150.00	
designer: Dildine Bridge Company, Cameron MO	
fabricator : unknown	
contractor: Dildine Bridge Company, Cameron MO	
references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 296000.6; Harrison County Court Record, Book O: page 90 (8 March 1901) - located at the Harrison County Courthouse, Bethany MO.	
sign. rating: 46	
evaluation: NRHP non-eligible (typical example of common structural type)	

inventoried by: Michelle Crow-Dolby 21 August 1992

Panther Creek Bridge

HARR16

GENERAL DATA

structure no.: 319R02.8	city/town: 6.8 miles southeast of Ridgeway
county: Harrison	feature inters.: Panther Creek
	cadastral grid: S10/15, T64N, R26W
	highway route: County Road 319
	highway distr.: 1
	current owner: Harrison County

STRUCTURAL DATA

superstructure: steel, 3-panel, pin-connected Pratt pony truss	
substructure: steel pile bent piers and timber wingwalls	
span number: 1	condition: fair
span length: 45.0'	alterations: truss widened by welding extensions onto floor beams
total length: 45.0'	
roadway width: 14.0'	floor/decking : timber deck over steel stringers
	other features: steel angle guardrail

HISTORICAL DATA

erection date: 1913	
erection cost: unknown	
designer: unknown	
fabricator : unknown	
contractor: county work force	
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 319R02.8; Harrison County Court Record Book R: page 186 (6 May 1913), located at the Harrison County Courthouse, Bethany MO.
sign. rating: 26	
evaluation:	NRHP non-eligible (typical example of common structural type)

inventoried by: Michelle Crow-Dolby 21 August 1992

Trail Creek Bridge

HARR17

GENERAL DATA

structure no.:	339000.9	city/town:	7.4 miles southeast of Ridgeway
county:	Harrison	feature inters.:	Trail Creek
		cadastral grid:	S33, T64N, R26W
		highway route:	County Road 339
		highway distr.:	1
		current owner:	Harrison County

STRUCTURAL DATA

superstructure:	steel, 3-panel, pin-connected Pratt pony truss		
substructure:	steel pile bent piers and timber wingwalls		
span number:	1	condition:	fair
span length:	54.0'	alterations:	unknown
total length:	54.0'	floor/decking :	timber deck over steel stringers
roadway width:	13.8'	other features:	steel angle guardrail

HISTORICAL DATA

erection date:	1915
erection cost:	unknown
designer:	unknown
fabricator :	unknown
contractor :	Kansas City Bridge Company, Kansas City MO
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 339000.9; Harrison County Court Record Book T: page 213 (4 November 1915), located at the Harrison County Courthouse, Bethany MO.
sign. rating:	25
evaluation:	NRHP non-eligible (typical example of common structural type)

inventoried by: Michelle Crow-Dolby 21 August 1992

Big Creek Bridge

HARR18

GENERAL DATA

structure no.:	359000.2	city/town:	3.5 miles northeast of Bethany
county:	Harrison	feature inters.:	East Fork Big Creek
		cadastral grid:	S25, T64N, R27W
		highway route:	County Road 359
		highway distr.:	1
		current owner:	Harrison County

STRUCTURAL DATA

superstructure:	steel, 4-panel, pin-connected Pratt pony truss		
substructure:	unknown		
span number:	1	condition:	fair
span length:	80.0'	alterations:	unknown
total length:	116.0'	floor/decking :	timber deck over steel stringers
roadway width:	13.5'	other features:	unknown

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 359000.2;
sign. rating:	30
evaluation:	NRHP non-eligible (typical example of common structural type)

inventoried by: Michelle Crow-Dolby 21 August 1992

Big Creek Bridge

HARR19

GENERAL DATA

structure no.: 368000.3	city/town: 4.2 miles north of Bethany
county: Harrison	feature inters.: West Fork Big Creek
	cadastral grid: S22, T64N, R28W
	highway route: County Road 368
	highway distr.: 1
	current owner: Harrison County

STRUCTURAL DATA

superstructure: steel, 5-panel, pin-connected Pratt bedstead, with steel stringer approach span	
substructure: steel pile bent piers and abutments timber wingwalls	
span number: 1	condition: fair
span length: 80.0'	alterations: unknown
total length: 94.0'	floor/decking : timber deck over steel stringers
roadway width: 11.8'	other features: steel angle guardrail

HISTORICAL DATA

erection date: 1915	
erection cost: \$1697.00	
designer: Dildine Bridge Company, Cameron MO	
fabricator : unknown	
contractor: Dildine Bridge Company, Hannibal MO	
references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 368000.3; Harrison County Court Record Book T: page 131 (7 July 1915), located at the Harrison County Courthouse, Bethany MO.	
sign. rating: 45	
evaluation: NRHP non-eligible (typical example of common structural type)	

inventoried by: Michelle Crow-Dolby 21 August 1992

Big Creek Bridge

HARR20

GENERAL DATA

structure no.:	436002.6	city/town:	0.7 mile west of Bethany
county:	Harrison	feature inters.:	West Fork Big Creek
		cadastral grid:	S9, T63N, R28W
		highway route:	County Road 436
		highway distr.:	1
		current owner:	Harrison County

STRUCTURAL DATA

superstructure:	steel, 5-panel, pin-connected Pratt through truss; steel stringer approaches		
substructure:	concrete-filled steel cylinder piers and timber back- and wingwalls		
span number:	1	condition:	fair
span length:	90.0'	alterations:	none
total length:	138.0'	floor/decking :	timber deck over steel stringers
roadway width:	15.8'	other features:	upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 rectangular eyebars; vertical: 2 channels with lacing; diagonal: 2 rectangular eyebars; counter: 2 square rods with turnbuckle; lateral bracing: round rod with threaded ends; strut: 2 angles; floor beam: I-beams, field-bolted to verticals; guardrail: 2 steel channels;

HISTORICAL DATA

erection date:	1905
erection cost:	\$2395.00
designer:	Dildine Bridge Company, Cameron MO
fabricator :	unknown
contractor:	Dildine Bridge Company, Cameron MO
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 436002.6; Harrison County Court Record Book P: page 403 (26 September 1905), located at the Harrison County Courthouse, Bethany MO; Field Inspected by Mitzi Rossillon, 17 September 1990.
sign. rating:	43
evaluation:	NRHP non-eligible (typical example of common structural type)

Inventoried by: Michelle Crow-Dolby 21 August 1992

Fox Creek Bridge

HARR21

GENERAL DATA

structure no.:	566000.7	city/town:	4.5 miles northeast of Gilman City
county:	Harrison	feature inters.:	Fox Creek
		cadastral grid:	S5, T62N, R26W
		highway route:	County Road 566
		highway distr.:	1
		current owner:	Harrison County

STRUCTURAL DATA

superstructure:	steel, 8-panel, pin-connected Pratt bedstead		
substructure:	steel pile bent piers and timber wingwalls		
span number:	1	condition:	fair
span length:	40.0'	alterations:	unknown
total length:	40.0'	floor/decking :	timber deck over steel stringers
roadway width:	11.6'	other features:	steel angle guardrail

HISTORICAL DATA

erection date:	1914
erection cost:	\$638.49
designer:	unknown
fabricator :	unknown
contractor :	county work force

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 566000.7; Harrison County Court Record Book R: page 406 (20 June 1914), located at the Harrison County Courthouse, Bethany MO.

sign. rating:	30
evaluation:	NRHP (typical example of common structural type)

inventoried by: Michelle Crow-Dolby 21 August 1992

Sugar Creek Bridge

HARR22

GENERAL DATA

structure no.:	574001.0	city/town:	3.7 miles northeast of Gilman City
county:	Harrison	feature inters.:	Sugar Creek
		cadastral grid:	S9, T62N, R26W
		highway route:	County Road 574
		highway distr.:	1
		current owner:	Harrison County

STRUCTURAL DATA

superstructure:	steel, 4-panel, pin-connected Pratt pony truss		
substructure:	steel pile bent piers and timber wingwalls		
span number:	1	condition:	fair
span length:	60.0'	alterations:	unknown
total length:	60.0'	floor/decking :	timber deck over steel stringers
roadway width:	13.5'	other features:	steel angle guardrail

HISTORICAL DATA

erection date:	1918
erection cost:	\$1185.26
designer:	unknown
fabricator :	unknown
contractor:	Dildine Bridge Company, Cameron MO; county work force
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 574001.0; Harrison County Record Book No. 1: page 23 (1917), located at the Harrison County Courthouse, Bethany MO.
sign. rating:	38
evaluation:	NRHP non-eligible (typical example of common structural type)

inventoried by: Michelle Crow-Dolby 21 August 1992

Sampson Creek Bridge

HARR23

GENERAL DATA

structure no.:	597002.3	city/town:	8.0 miles north of New Hampton
county:	Harrison	feature inters.:	Sampson Creek
		cadastral grid:	S29, T62N, R29W
		highway route:	County Road 597
		highway distr.:	1
		current owner:	Harrison County

STRUCTURAL DATA

superstructure:	steel, 3-panel, pin-connected Pratt half-hip pony truss, with steel stringer approach		
substructure:	steel pile bent piers and timber wingwalls		
span number:	1	condition:	fair
span length:	60.0'	alterations:	unknown
total length:	81.0'	floor/decking :	timber deck over steel stringers
roadway width:	12.1'	other features:	unknown

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 597002.3;
sign. rating:	28
evaluation:	NRHP non-eligible (typical example of common structural type)

inventoried by: Michelle Crow-Dolby 21 August 1992

Polecat Creek Bridge

HARR24

GENERAL DATA

structure no.:	640000.3	city/town:	6.0 miles southwest of Bethany
county:	Harrison	feature inters.:	Polecat Creek
		cadastral grid:	S9, T62N, R28W
		highway route:	County Road 640
		highway distr.:	1
		current owner:	Harrison County

STRUCTURAL DATA

superstructure:	steel, 4-panel, pin-connected Pratt pony truss		
substructure:	unknown		
span number:	1	condition:	fair
span length:	50.0'	alterations:	unknown
total length:	50.0'	floor/decking :	timber deck over steel stringers
roadway width:	13.7'	other features:	steel angle guardrail

HISTORICAL DATA

erection date:	1917
erection cost:	\$1349.78
designer:	Dildine Bridge Company, Cameron MO
fabricator :	unknown
contractor :	Dildine Bridge Company, Cameron MO; county work force
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 640000.3; Harrison County Record Book No. 1: page 8 (1917), located at the Harrison County Courthouse, Bethany MO.
sign. rating:	35
evaluation:	NRHP non-eligible (typical example of common structural type)

inventoried by: Michelle Crow-Dolby 21 August 1992

Big Creek Bridge

HARR25

GENERAL DATA

structure no.:	641001.5	city/town:	6.2 miles southwest of Bethany
county:	Harrison	feature inters.:	Big Creek
		cadastral grid:	S7, T62N, R28W
		highway route:	County Road 641
		highway distr.:	1
		current owner:	Harrison County

STRUCTURAL DATA

superstructure:	steel, 6-panel, pin-connected Pratt through truss		
substructure:	steel pile bent piers and timber back- and wingwalls		
span number:	1	condition:	fair
span length:	100.0'	alterations:	substructure and approach spans replaced
total length:	133.0'	floor/decking :	timber deck over steel stringers
roadway width:	13.9'	other features:	upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 rectangular eyebars; vertical: 2 channels with lacing; diagonal: 2 rectangular eyebars; counter: round rod with turnbuckle; lateral bracing: round rod with threaded ends; strut: 4 angles; floor beam: I-beams, u-bolted to verticals; guardrail: 2 steel channels;

HISTORICAL DATA

erection date:	c1905
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 641001.5; Field Inspected by Mitzi Rossillon, 17 September 1990.
sign. rating:	24
evaluation:	NRHP non-eligible (typical example of common structural type)

inventoried by: Michelle Crow-Dolby 21 August 1992

Big Creek Bridge

HARR26

GENERAL DATA

structure no.:	687001.0	city/town:	1.1 mile west of Bethany
county:	Harrison	feature inters.:	East Fork Big Creek
		cadastral grid:	S9, T63N, R28W
		highway route:	County Road 687
		highway distr.:	1
		current owner:	Harrison County

STRUCTURAL DATA

superstructure:	steel, 7-panel, pin-connected Pratt through truss; steel stringer approaches		
substructure:	timber abutments and backwalls; concrete piers		
span number:	1	condition:	fair
span length:	110.0'	alterations:	truss moved, floor system replaced
total length:	158.0'	floor/decking :	asphalt over timber deck
roadway width:	13.0'	other features:	upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 rectangular, punched eyebars; vertical: 2 channels with lacing; diagonal: 2 rectangular, punched eyebars; counter: 2 round rods with turnbuckle; lateral bracing: round rod with threaded ends; strut: 4 angles with lacing; floor beam: I-beams, u-bolted to verticals; guardrail: 2 angles; builder's plate: DILDINE / B. CO. / CAMERON / MO.

HISTORICAL DATA

erection date:	c1905
erection cost:	unknown
designer:	Dildine Bridge Company, Cameron MO
fabricator :	Carnegie Steel Company, Pittsburgh PA
contractor :	Dildine Bridge Company, Cameron MO
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 687001.0; Field Inspected by Mitzi Rossillon, 17 September 1990.
sign. rating:	27
evaluation:	NRHP non-eligible (typical example of common structural type, moved to this location)

inventoried by: Michelle Crow-Dolby 21 August 1992

HAER INVENTORY

Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE

Big Creek Bridge
MHTD: 436002.6

HARR20

DATE(S) OF CONSTRUCTION

1905

LOCATION

County Road 436 over West Fork Big Creek; S9, T63N, R28W
0.7 mile west of Bethany; Harrison County, Missouri

USE (ORIGINAL / CURRENT)

roadway bridge / roadway bridge

RATING NRHP non-eligible (score: 43)

CONDITION

fair

OWNER

Harrison County

span number: 1
span length: 90.0'
total length: 138.0'
roadway wdt.: 15.8'

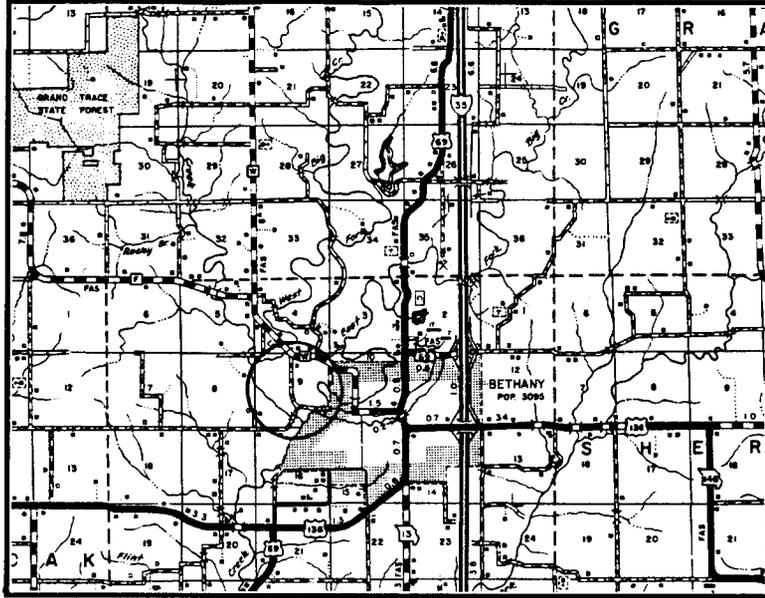
superstructure: steel, 5-panel, pin-connected Pratt through truss; steel stringer approaches
substructure: concrete-filled steel cylinder piers and timber back- and wingwalls
floor/decking: timber deck over steel stringers
other features: upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 rectangular eyebars; vertical: 2 channels with lacing; diagonal: 2 rectangular eyebars; counter: 2 square rods with turnbuckle; lateral bracing: round rod with threaded ends; strut: 2 angles; floor beam: I-beams, field-bolted to verticals; guardrail: 2 steel channels;

During the first two decades of the 20th century, the Dildine Bridge Company of Cameron, Missouri, was responsible for building most of Harrison County's steel bridges. Bridge letting policies varied from county to county. Some counties awarded contracts for individual or multiple-bridge projects, while others, like Harrison County, issued annual contracts to bridge builders and fabricators. One of the structures erected by Dildine in 1905-for the sum of \$2395.00-was this short-span Pratt through truss built over the West Fork of Big Creek west of Bethany. Since its completion, the Big Creek Bridge has continued to carry intermittent vehicular traffic at this rural crossing for the past eighty-eight years. It is representative example of a mainstay structural type for Missouri: the pinned Pratt through truss.

NAME(S) OF STRUCTURE

Big Creek 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 436002.6; Harrison County Court Record Book P: page 403 (26 September 1905), located at the Harrison County Courthouse, Bethany MO; Field Inspected by Mitzi Rossillon, 17 September 1990.

INVENTORIED BY
Mitzi Rossillon

AFFILIATION
Fraserdesign, Loveland CO

DATE
21 August 1992

HAER INVENTORY

Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE

Big Creek Bridge
MHTD: 641001.5

HARR25

DATE(S) OF CONSTRUCTION

c1905

LOCATION

County Road 641 over Big Creek; S7, T62N, R28W
6.2 miles southwest of Bethany; Harrison County, Missouri

USE (ORIGINAL / CURRENT)

roadway bridge / roadway bridge

RATING NRHP non-eligible (score: 24)

CONDITION

fair

OWNER

Harrison County

span number: 1
span length: 100.0'
total length: 133.0'
roadway wdt.: 13.9'

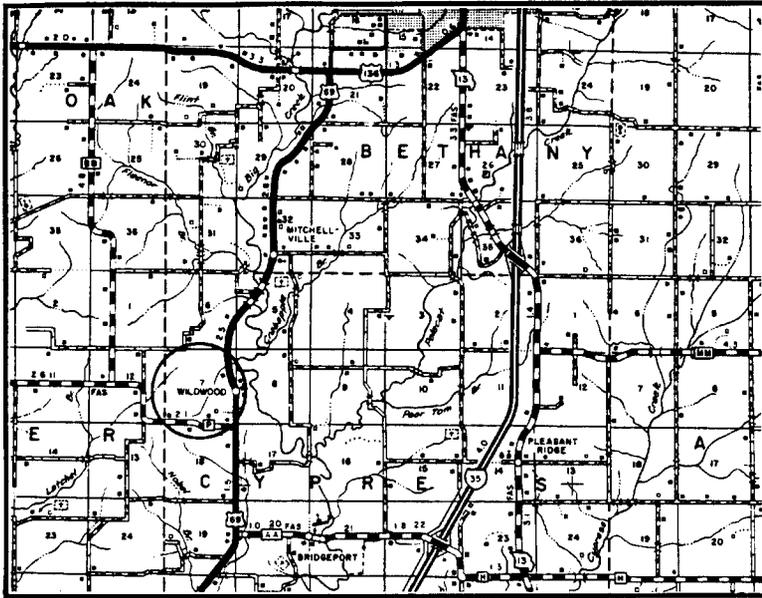
superstructure: steel, 6-panel, pin-connected Pratt through truss
substructure: steel pile bent piers and timber back- and wingwalls
floor/decking: timber deck over steel stringers
other features: upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 rectangular eyebars; vertical: 2 channels with lacing; diagonal: 2 rectangular eyebars; counter: round rod with turnbuckle; lateral bracing: round rod with threaded ends; strut: 4 angles; floor beam: I-beams, u-bolted to verticals; guardrail: 2 steel channels;

This single-span carries County Road 436 over the West Fork Big Creek in south-central Harrison County. Comprised of a pinned Pratt through truss supported by a steel pile bent substructure, the Big Creek Bridge was erected around 1905. County records do not contain any definitive documentation on this bridge, therefore its construction history remains vague. The Bridge's contractor used steel components rolled by Cambria Steel Company in Pittsburgh, Pennsylvania. Since its construction, this truss has functioned in place with the replacement of its substructure and approach spans the most serious alteration to date. It is typically configured example of a mainstay structural type in Missouri-the pinned Pratt through truss.

NAME(S) OF STRUCTURE

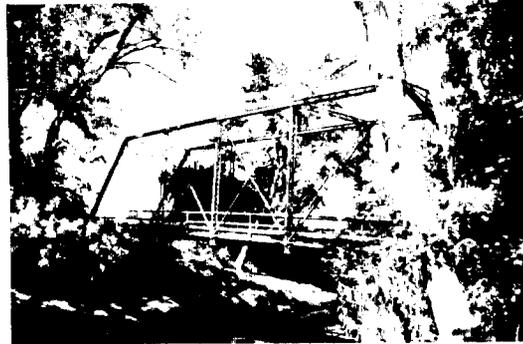
Big Creek Bridge

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 641001.5; Field Inspected by Mitzi Rossillon, 17 September 1990.

INVENTORIED BY
Mitzi Rossillon

AFFILIATION
Fraserdesign, Loveland CO

DATE
21 August 1992

HAER INVENTORY

Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE

Big Creek Bridge
MHTD: 687001.0

HARR26

DATE(S) OF CONSTRUCTION

c1905

LOCATION

County Road 687 over East Fork Big Creek; S9, T63N, R28W
1.1 mile west of Bethany; Harrison County, Missouri

USE (ORIGINAL / CURRENT)

roadway bridge / roadway bridge

RATING NRHP non-eligible (score: 27)

CONDITION

fair

OWNER

Harrison County

span number: 1
span length: 110.0'
total length: 158.0'
roadway wdt.: 13.0'

superstructure: steel, 7-panel, pin-connected Pratt through truss; steel stringer approaches
substructure: timber abutments and backwalls; concrete piers
floor/decking: asphalt over timber deck
other features: upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 rectangular, punched eyebars; vertical: 2 channels with lacing; diagonal: 2 rectangular, punched eyebars; counter: 2 round rods with turnbuckle; lateral bracing: round rod with threaded ends; strut: 4 angles with lacing; floor beam: I-beams, u-bolted to verticals; guardrail: 2 angle; builder's plate: **DILDINE / B. CO. / CAMERON / MO.**

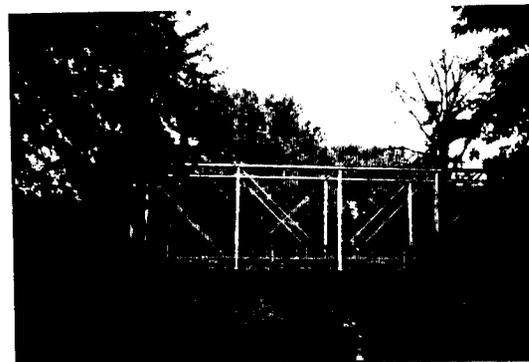
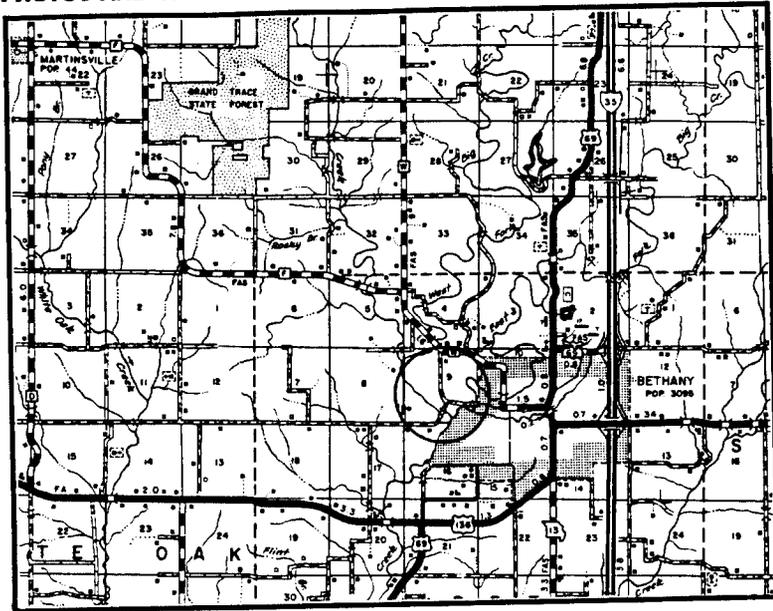
This Pratt through truss carries an unpaved county road over the East Fork Big Creek west of Bethany. This timber-decked bridge features a steel 110-foot truss, supported by a timber and concrete substructure. A builder's plate indicates that it was erected by the Cameron, Missouri-based Dildine Bridge Company, which used steel components fabricated by the Carnegie Steel Company. Additional construction history, however, remains vague, owing to the lack of conclusive documentation in county records. Since its erection, the Big Creek Bridge has apparently been moved and placed on new concrete piers.

Marketed exclusively by virtually all of the in-state and regional bridge contractors and promoted in the form of standardized designs, the pinned Pratt through truss was widely used by Missouri's counties to carry roads over the state's myriad watercourses. Thousands of such trusses were erected across the state in the late 19th and early 20th centuries, and many remain in place today. With an erection date circa 1905 and a span length of 110 feet, the Big Creek Bridge, typifies this widespread bridge building trend.

NAME(S) OF STRUCTURE

Big Creek 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 687001.0; Field Inspected by Mitzi Rossillon, 17 September 1990.

INVENTORIED BY
Mitzi Rossillon

AFFILIATION
Fraserdesign, Loveland CO

DATE
21 August 1992