MERCER COUNTY

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

Inv. No.	MHTD	Bridge Name	Description	
MERC01	L 73	Princeton Overpass	**10-27'**	timber stringer
			1942	CRI&P Railroad
*MERC02	025001.7	Brush Creek Bridge	1- 65'	pinned Pratt pony truss
			c1905	Dildine Bridge Co. (prob.)
*MERC03	033000.1	West Fork Bridge	1-100'	**pinned Pratt through truss**
			c1895	
*MERC04	044002.3	West Fork Bridge	1-108'	**pinned Pratt through truss**
			1899	Dildine Bridge Company
*MERC05	051R00.7	Weldon Fork Bridge	1-120'	**pinned Pratt through truss**
			c1895	
*MERC06	052000.0	West Fork Bridge	1- 75'	**pinned Pratt through truss**
			c1910	
MERC07	073001.4	Duncan Bridge	1- 24'	steel stringer
			1907	Dildine Bridge Company
*MERC08	079001.6	Bridge		(replaced)
MERC09	086000.1	Little Muddy Creek Bridge	1- 30'	steel stringer
			1908	Dildine Bridge Company
MERC10	086R01.8	Irwin Creek Bridge	1- 30'	steel stringer
			1902	Dildine Bridge Company
MERC11	092R00.3	Stone Bridge	1- 30'	steel stringer
			1907	Dildine Bridge Company
MERC12	122002.5	W. Medicine Creek Bridge	1- 40'	pinned Pratt bedstead
			1899	Dildine Bridge Company
*MERC13	145000.3	W. Medicine Creek Bridge		(replaced)
MERC14	153001.2	Muddy Creek Bridge		(replaced)
*MERC15	160002.2	Muddy Creek Bridge	1- 70'	pinned Pratt half-hip pony truss
			1903	Dildine Bridge Company
MERC16	162000.0	C&NW Railroad Overpass	1- 66'	steel plate through girder
			1901	American Bridge Company
MERC17	163001.5	Wildcat Creek Bridge	1- 86'	**pinned Pratt through truss**
			c1900	
MERC18	222000.3	W. Muddy Creek Bridge	1- 30'	steel stringer
			1909	Dildine Bridge Company
*MERC19	244000.7	Muddy Creek Bridge	1- 70'	pinned Pratt pony truss
			1908	Dildine Bridge Company
MERC20	246001.2	Muddy Creek Bridge	1- 70'	pinned Pratt pony truss
			c1905	Dildine Bridge Co. (prob.)
MERC21	262001.7	East Honey Creek Bridge	1- 40'	pinned Pratt pony truss
			1903	Dildine Bridge Company
MERC22	282003.0	Medicine Creek Bridge	1- 80'	pinned Pratt pony truss
			c1915	
MERC23	284000.7	Medicine Creek Bridge	1- 80'	**pinned Pratt through truss**
			c1900	
MERC24	301000.1	Bridge	1- 26'	steel stringer
			1902	Dildine Bridge Company

MERCER COUNTY

EXCLUDED:

Pratt pony truss
164000.1 221000.7 318000.0

Warren pony truss
083002.1

Pratt bedstead
232002.2

Steel stringer / girder

G 353R	J 657	S 371	T 87	T 89	X 123	X 124
006001.0	009002.1	013R00.6	015R01.2	015001.3	016000.9	018000.9
019001.3	024001.5	026000.5	027000.7	033001.4	033002.1	039000.2
044000.1	060R01.4	066R00.2	067000.4	067001.8	070000.4	071R02.0
071001.1	073000.7	075002.1	079002.2	088001.7	091000.6	093R01.1
099001.5	103001.4	105001.8	110001.1	112000.8	121000.4	122R00.9
122002.8	123000.3	124000.3	124002.5	130000.6	130002.0	131000.8
135000.6	137001.4	138002.0	141R01.1	144000.8	146000.0	147000.6
150001.1	157R01.4	164002.3	165001.7	167000.7	168000.3	171000.4
175R00.7	179001.6	179001.8	184000.5	187000.2	189001.6	192R00.5
196R00.3	200000.4	200003.0	200004.0	202001.1	205000.5	206001.4
210R02.3	212002.0	214002.1	218R01.1	220000.7	223000.3	224000.9
224001.3	226000.1	231000.7	236R01.5	238001.9	252R00.7	253000.4
255000.2	261000.7	262000.2	264001.7	270R02.2	270000.7	

Concrete girder
H 953 H 954 H 956 J 27

Concrete box culvert
H 955 J 640 S 155 S 156 T 86 T 88

Timber stringer
084000.0 153000.3 154000.8 230001.8 270001.6 275002.9 285001.9
299000.3 324000.5

SUMMARY:

	Primary	Secondary	Urban	Other	Total
Included	1	20	0	0	21
Excluded	17	104	0	0	121
	18	124	0	0	142 structures

Princeton Overpass

MERC01

GENERAL DATA

structure no.:	L 73	**city/town:**	eastern edge of Princeton
county:	Mercer	**feature inters.:**	Chicago, Rock Island & Pacific Railroad
		cadastral grid:	S26, T65N, R24W
		highway route:	U.S. Highway 136
		highway distr.:	2
		current owner:	Missouri Highway and Transportation Department

STRUCTURAL DATA

superstructure: timber stringer
substructure: timber pile bent abutments, wingwalls and piers

span number:	10	**condition:**	good
span length:	27.0'	**alterations:**	none
total length:	167.0'	**floor/decking :**	timber decking
roadway width:	26.0'	**other features:**	guardrail: timber

HISTORICAL DATA

erection date: 1942
erection cost: $18,000.00 (estimate)
designer: Chicago, Rock Island & Pacific Railroad
fabricator : none
contractor: Chicago, Rock Island & Pacific Railroad

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. L 73; Missouri Highway and Transportation Department Primary System Bridge Record, located at Bridge Division, MHTD, Jefferson City MO.

sign. rating: 33
evaluation: NRHP non-eligible (undistinguished example of common overpass structural type, built during the war using non-strategic materials)

inventoried by: Clayton B. Fraser 1 April 1991

Brush Creek Bridge

MERC02

GENERAL DATA

structure no.: 025001.7
county: Mercer
city/town: 3.2 miles southeast of Saline
feature inters.: Brush Creek
cadastral grid: S26, T66N, R25W
highway route: county road
highway distr.: 2
current owner: Mercer County

STRUCTURAL DATA

superstructure: steel, 4-panel, pin-connected Pratt pony truss
substructure: timber pile bent abutments with timber back- and wingwalls

span number: 1
span length: 65.0'
total length: 65.0'
roadway width: 11.9'
condition: fair
alterations: truss perhaps moved; one vertical replaced
floor/decking : timber decking over steel stringers
other features: upper chord: 2 channels with cover plate and lacing; lower chord: 2 looped rectangular eyebars; vertical: 4 angles with lacing; diagonal: 2 looped rectangular eyebars; counter: round eyerod with turnbuckle; lateral bracing: round rod with threaded ends; floor beam: I-beam, U-bolted to vertical; guardrail: none

HISTORICAL DATA

erection date: c1905
erection cost: unknown
designer: Dildine Bridge Company, Cameron MO (probable)
fabricator : Carnegie Steel Company, Pittsburgh PA
contractor: Dildine Bridge Company, Cameron MO (probable)

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 025001.7; field inspection by Clayton Fraser, 8 December 1990.

sign. rating: 24
evaluation: NRHP non-eligible (typical, undocumented example of common structural type)

inventoried by: Clayton B. Fraser 1 April 1991

West Fork Little River Bridge

MERC03

GENERAL DATA

structure no.: 033000.1
county: Mercer
city/town: 4.4 miles northeast of Saline
feature inters.: West Fork of Little River
cadastral grid: S25, T67N, R25W
highway route: county road
highway distr.: 2
current owner: Mercer County

STRUCTURAL DATA

superstructure: steel, 6-panel, pin-connected Pratt through truss with steel stringer approach spans
substructure: steel pile bent abutments and piers; timber backwalls

span number: 1
span length: 100.0'
total length: 158.0'
roadway width: 16.0'
condition: fair
alterations: truss perhaps moved; struts and upper lateral bracing replaced
floor/decking : timber deck over steel stringers
other features: upper chord: 2 channels with cover plate and lacing; lower chord: 2 punched rectangular eyebars; vertical: 2 channels with lacing (2 square eyebars at hip); diagonal: 2 punched rectangular eyebars; counter: round eyerod with turnbuckle; lateral bracing: 2 angles (new); strut: 2 angles (new); floor beam: I-beam, U-bolted to vertical; guardrail: none

HISTORICAL DATA

erection date: c1895
erection cost: unknown
designer: unknown
fabricator : unknown
contractor: unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 033000.1; field inspection by Clayton Fraser, 8 December 1990.

sign. rating: 15
evaluation: NRHP non-eligible (typical example of common structural type, altered and perhaps moved)

inventoried by: Clayton B. Fraser 1 April 1991

West Fork Bridge

MERC04

GENERAL DATA

structure no.:	044002.3	**city/town:**	4.9 miles west of Mercer
county:	Mercer	**feature inters.:**	West Fork of Little River
		cadastral grid:	S20/21, T66N, R24W
		highway route:	county road
		highway distr.:	2
		current owner:	Mercer County

STRUCTURAL DATA

superstructure: steel, 6-panel, pin-connected Pratt through truss with steel stringer approach spans

substructure: steel pile bent abutments and pier, with timber wingwalls

span number:	1	**condition:**	fair
span length:	108.0'	**alterations:**	truss moved; one vertical replaced
total length:	148.0'	**floor/decking :**	timber deck over steel stringers
roadway width:	14.3'	**other features:**	upper chord: 2 channels with cover and batten plates; lower chord: 2 punched rectangular eyebars; vertical: 2 angles with lacing (2 looped square eyebars at hip); diagonal: 2 punched rectangular eyebars; counter: round eyerod with unslotted turnbuckle; lateral bracing: round rod with threaded ends; strut: 4 angles with lacing; portal strut: lattice; floor beam: riveted plate girders, U-bolted to vertical; guardrail: none

HISTORICAL DATA

erection date: 1899
erection cost: $1604.00
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 No. 044002.3; Mercer County Court Minute Book J: page 137 (21 February 1899); field inspection by Clayton Fraser, 8 December 1990.

sign. rating: 38
evaluation: NRHP determined non-eligible (typically configured example of common structural type, altered and moved)

inventoried by: Clayton B. Fraser 1 April 1991

Weldon Fork Bridge

MERC05

GENERAL DATA

structure no.:	051R00.7	**city/town:**	4.6 miles northwest of Mercer
county:	Mercer	**feature inters.:**	Weldon Fork of Grand River
		cadastral grid:	S3/4, T66N, R24W
		highway route:	county road
		highway distr.:	2
		current owner:	Mercer County

STRUCTURAL DATA

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

substructure: timber abutments and wingwalls with steel pile bent piers

span number:	1	**condition:**	fair
span length:	120.0'	**alterations:**	through truss moved; pony truss added
total length:	240.0'	**floor/decking :**	timber deck over steel stringers
roadway width:	13.0'	**other features:**	upper chord: 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: 4 angles with lacing and knee braces; floor beam: I-beam, U-bolted to vertical; guardrail: 1 angle

HISTORICAL DATA

erection date: c1895
erection cost: unknown
designer: unknown
fabricator : Jones and Laughlin Steel Company, Pittsburgh PA
contractor: unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 051R00.7; field inspection by Clayton Fraser, 8 December 1990.

sign. rating: 22
evaluation: NRHP non-eligible (typically configured example of common structural type, apparently moved to this location)

inventoried by: Clayton B. Fraser 1 April 1991

West Fork Bridge

MERC06

GENERAL DATA

structure no.: 052000.0
county: Mercer
city/town: 4.9 miles northwest of Mercer
feature inters.: West Fork of Little River
cadastral grid: S16/17, T66N, R24W
highway route: county road
highway distr.: 2
current owner: Mercer County

STRUCTURAL DATA

superstructure: steel, 5-panel, pin-connected Pratt through truss with steel stringer approach spans
substructure: steel pile bent abutments (dated 1976) and timber wingwalls at north end; concrete abutment with steel cylinder pier at south end

span number: 1
span length: 75.0'
total length: 138.0'
roadway width: 13.5'
condition: fair
alterations: truss evidently moved to this location
floor/decking : timber deck over steel stringers
other features: upper chord: 2 channels with cover and batten plates; lower chord: 2 punched rectangular eyebars; vertical: 2 channels with lacing (2 looped round eyerods at hip); diagonal: 2 punched rectangular eyebars; counter: round eyerod with turnbuckle; lateral bracing: round rod with threaded ends; strut: 2 angles; floor beam: I-beam, field-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 No. 052000.0; field inspection by Clayton Fraser, 8 December 1990.

sign. rating: 20
evaluation: NRHP non-eligible (typical example of common structural type, moved to this location)

inventoried by: Clayton B. Fraser 1 April 1991

Duncan Bridge

MERC07

GENERAL DATA

structure no.:	073001.4	**city/town:**	1.4 miles east of South Lineville
county:	Mercer	**feature inters.:**	branch of Little Muddy Creek
		cadastral grid:	S28, T67N, R23W
		highway route:	county road
		highway distr.:	2
		current owner:	Mercer County

STRUCTURAL DATA

superstructure: steel stringer
substructure: unknown

span number:	1	**condition:**	fair
span length:	24.0'	**alterations:**	unknown
total length:	24.0'	**floor/decking :**	timber deck
roadway width:	13.0'	**other features:**	unknown

HISTORICAL DATA

erection date: 1907
erection cost: $220.00
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 No. 073001.4; Mercer County Court Minute Book L: pages 196-97 (1 July 1907), located at Mercer County Courthouse, Princeton MO.

sign. rating: 36
evaluation: NRHP non-eligible (typical example of common structuraL type)

inventoried by: Clayton B. Fraser 1 April 1991

Little Muddy Creek Bridge

MERC09

GENERAL DATA

structure no.:	086000.1	**city/town:**	2.2 miles east of South Lineville
county:	Mercer	**feature inters.:**	Little Muddy Creek
		cadastral grid:	S27/34, T67N, R23W
		highway route:	county road
		highway distr.:	2
		current owner:	Mercer County

STRUCTURAL DATA

superstructure: steel stringer
substructure: timber pile bent abutments and wingwalls

span number:	1	**condition:**	fair
span length:	30.0'	**alterations:**	unknown
total length:	30.0'	**floor/decking :**	timber deck
roadway width:	15.0'	**other features:**	unknown

HISTORICAL DATA

erection date: 1908
erection cost: $340.00
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 No. 086000.1; Mercer County Court Minute Book L: page 345 (10 June 1908), page 422 (4 November 1908), located at Mercer County Courthouse, Princeton MO.

sign. rating: 41
evaluation: NRHP non-eligible (typical example of exceedingly common structural type)

inventoried by: Clayton B. Fraser 1 April 1991

Irwin Creek Bridge

MERC10

GENERAL DATA

structure no.: 086R01.8
county: Mercer
city/town: 3.7 miles east of South Lineville
feature inters.: Irwin Creek
cadastral grid: S26/35, T67N, R23W
highway route: county road
highway distr.: 2
current owner: Mercer County

STRUCTURAL DATA

superstructure: steel stringer
substructure: timber pile bent abutments and wingwalls

span number: 1
span length: 30.0'
total length: 30.0'
roadway width: 12.0'
condition: fair
alterations: unknown
floor/decking : timber deck
other features: unknown

HISTORICAL DATA

erection date: 1902
erection cost: $230.00
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 No. 086R01.8; Mercer County Court Minute Book J: page 421 (18 July 1902) - located at Mercer County Courthouse, Princeton, Missouri.

sign. rating: 41
evaluation: NRHP non-eligible (typical example of exceedingly common structural type)

inventoried by: Clayton B. Fraser 1 April 1991

Stone Bridge (Irwin Creek Bridge)

MERC11

GENERAL DATA

structure no.:	092R00.3	**city/town:**	3.1 miles northeast of Mercer
county:	Mercer	**feature inters.:**	Irwin Creek
		cadastral grid:	S10/15, T66N, R23W
		highway route:	county road
		highway distr.:	2
		current owner:	Mercer County

STRUCTURAL DATA

superstructure: steel stringer
substructure: timber pile bent abutments and wingwalls

span number:	1	**condition:**	fair
span length:	30.0'	**alterations:**	unknown
total length:	30.0'	**floor/decking :**	timber deck
roadway width:	12.0'	**other features:**	unknown

HISTORICAL DATA

erection date: 1907
erection cost: $300.00
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 No. 092R00.3; Mercer County Court Minute Book L: pages 196 and 197 (1 July 1907), located at Mercer County Courthouse, Princeton MO.

sign. rating: 41
evaluation: NRHP non-eligible (typical example of exceedingly common structural type)

inventoried by: Clayton B. Fraser 1 April 1991

West Medicine Creek Bridge

MERC12

GENERAL DATA

structure no.:	122002.5	**city/town:**	7.1 miles southeast of Mercer
county:	Mercer	**feature inters.:**	West Medicine Creek
		cadastral grid:	S6, T65N, R22W / S32, T66N, R22W
		highway route:	county road
		highway distr.:	2
		current owner:	Mercer County

STRUCTURAL DATA

superstructure: steel, 3-panel, pin-connected Pratt truss-leg bedstead
substructure: truss-leg abutments and timber wingwalls

span number:	1	**condition:**	fair
span length:	40.0'	**alterations:**	unknown
total length:	40.0'	**floor/decking :**	timber deck
roadway width:	12.0'	**other features:**	unknown

HISTORICAL DATA

erection date: 1899
erection cost: $425.00
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 No. 122002.5; Mercer County Court Minute Book J: page 189 (7 August 1899), pages 200-01 (5 September 1899), located at Mercer County Courthouse, Princeton MO.

sign. rating: 48
evaluation: NRHP possibly eligible (relatively early example of mainstay structural type)

inventoried by: Clayton B. Fraser 1 April 1991

Muddy Creek Bridge

MERC15

GENERAL DATA

structure no.: 160002.2
county: Mercer
city/town: 3.4 miles southeast of Princeton
feature inters.: Muddy Creek
cadastral grid: S31, T65N, R23W
highway route: county road
highway distr.: 2
current owner: Mercer County

STRUCTURAL DATA

superstructure: steel, 4-panel, pin-connected Pratt half-hip pony truss
substructure: timber abutments and wingwalls; steel pile bent piers

span number: 1
span length: 70.0'
total length: 70.0'
roadway width: 13.3'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
other features: upper chord: 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 turnbuckle; lateral bracing: round rod with threaded ends; floor beam: I-beam, U-bolted to vertical; guardrail: 1 angle

HISTORICAL DATA

erection date: 1903
erection cost: $472.00
designer: Dildine Bridge Company, Cameron MO
fabricator : Inland Steel Company, East Chicago IN
contractor: Dildine Bridge Company, Cameron MO

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 160002.2; Mercer County Court Minute Book K: page 16 (3 February 1903), located in Mercer County Courthouse, Princeton MO; field inspection by Clayton Fraser, 8 December 1990.

sign. rating: 46
evaluation: NRHP non-eligible (well-documented, but undistinguished example of common structural type)

inventoried by: Clayton B. Fraser 1 April 1991

Chicago & North Western Railroad Overpass

MERC16

GENERAL DATA

structure no.:	162000.0	**city/town:**	southern edge of Princeton
county:	Mercer	**feature inters.:**	Chicago & North Western Railroad
		cadastral grid:	S34, T65N, R24W
		highway route:	county road
		highway distr.:	2
		current owner:	Mercer County

STRUCTURAL DATA

superstructure: steel plate through girder
substructure: timber pile bent abutments and piers

span number:	1	**condition:**	good
span length:	66.0'	**alterations:**	old railroad deck girder moved and turned upside down to form through girder
total length:	210.0'		
roadway width:	21.1'	**floor/decking :**	timber deck over steel stringers
		other features:	builder's plate: **1910 / BUILT BY AMERICAN BRIDGE COMPANY / LASSIG BRANCH / CHICAGO, ILL.**

HISTORICAL DATA

erection date: 1901
erection cost: unknown
designer: unknown
fabricator : American Bridge Company, Chicago IL
contractor: Chicago and North Western Railroad

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 162000.0.

sign. rating: 36
evaluation: NRHP non-eligible (typical railroad structure, removed from original context)

inventoried by: Clayton B. Fraser 1 April 1991

Wildcat Creek Bridge

MERC17

GENERAL DATA

structure no.:	163001.5	**city/town:**	1.8 miles southwest of Princeton
county:	Mercer	**feature inters.:**	Wildcat Creek
		cadastral grid:	S4, T64N, R24W
		highway route:	county road
		highway distr.:	2
		current owner:	Mercer County

STRUCTURAL DATA

superstructure: steel, 5-panel pin-connected Pratt through truss, with steel stringer approach span

substructure: unknown

span number:	1	**condition:**	fair
span length:	86.0'	**alterations:**	unknown
total length:	104.0'	**floor/decking :**	timber deck
roadway width:	13.6'	**other features:**	portal bracing: lattice

HISTORICAL DATA

erection date: c1900
erection cost: unknown
designer: unknown
fabricator : unknown
contractor: unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 163001.5.

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

inventoried by: Clayton B. Fraser 1 April 1991

West Muddy Creek Bridge

MERC18

GENERAL DATA

structure no.:	222000.3	**city/town:**	4.8 miles southwest of Princeton
county:	Mercer	**feature inters.:**	West Muddy Creek
		cadastral grid:	S18, T64N, R24W
		highway route:	county road
		highway distr.:	2
		current owner:	Mercer County

STRUCTURAL DATA

superstructure: steel stringer
substructure: unknown

span number:	1	**condition:**	fair
span length:	30.0'	**alterations:**	unknown
total length:	30.0'	**floor/decking :**	timber deck
roadway width:	14.5'	**other features:**	unknown

HISTORICAL DATA

erection date: 1909
erection cost: $280.00
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 No. 222000.3; Mercer County Court Minute Book L: page 541 (19 May 1909), 632 (27 December 1909), located at Mercer County Courthouse, Princeton MO.

sign. rating: 41
evaluation: NRHP non-eligible (typical example of exceedingly common structural type)

inventoried by: Clayton B. Fraser 1 April 1991

Muddy Creek Bridge

MERC19

GENERAL DATA

structure no.: 244000.7
county: Mercer
city/town: 4.8 miles southeast of Princeton
feature inters.: Muddy Creek
cadastral grid: S24, T64N, R24W
highway route: county road
highway distr.: 2
current owner: Mercer County

STRUCTURAL DATA

superstructure: steel, 4-panel, pin-connected Pratt pony truss with steel stringer approach spans

substructure: steel pile bent abutments with timber backwalls; steel pile bent piers at north end; steel cylinder piers at south end (one steel cylinder pier lying in water)

span number: 1
span length: 70.0'
total length: 108.0'
roadway width: 13.8'
condition: fair
alterations: none
floor/decking : timber decking over steel stringers
other features: upper chord/ inclined end post: 2 channels with cover and batten plates; lower chord: 2 looped rectangular eyebars; vertical: 4 angles with double lacing; diagonal: 2 looped rectangular eyebars; counter: round eyerod with turnbuckle; lateral bracing: round rod with threaded ends; floor beam: I-beam, field-bolted to vertical; guardrail: 1 angle

HISTORICAL DATA

erection date: 1908
erection cost: $600.00
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 No. 244000.7; Mercer County Court Minute Book L: page 345 (10 June 1908), page 422 (4 November 1908), located at Mercer County Courthouse, Princeton MO; field inspection by Clayton Fraser, 8 December 1990.

sign. rating: 46
evaluation: NRHP non-eligible (typical example of common structural type)

inventoried by: Clayton B. Fraser 1 April 1991

Muddy Creek Bridge

MERC20

GENERAL DATA

structure no.:	246001.2	**city/town:**	4.0 miles southeast of Princeton
county:	Mercer	**feature inters.:**	Muddy Creek
		cadastral grid:	S12, T64N, R24W
		highway route:	county road
		highway distr.:	2
		current owner:	Mercer County

STRUCTURAL DATA

superstructure: steel, 4-panel, pin-connected Pratt pony truss
substructure: steel pile bent abutments and timber wingwalls

span number:	1	**condition:**	fair
span length:	70.0'	**alterations:**	unknown
total length:	126.0'	**floor/decking :**	timber deck
roadway width:	11.8'	**other features:**	guardrail: steel angle

HISTORICAL DATA

erection date: c1905
erection cost: unknown
designer: Dildine Bridge Company, Cameron MO (probable)
fabricator : unknown
contractor: Dildine Bridge Company, Cameron MO (probable)

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 246001.2.

sign. rating: 29
evaluation: NRHP non-eligible (typical, poorly documented example of common structural type)

inventoried by: Clayton B. Fraser 1 April 1991

East Honey Creek Bridge

MERC21

GENERAL DATA

structure no.:	262001.7	**city/town:**	9.7 miles southeast of Princeton
county:	Mercer	**feature inters.:**	East Honey Creek
		cadastral grid:	S26/35, T64N, R23W
		highway route:	county road
		highway distr.:	2
		current owner:	Mercer County

STRUCTURAL DATA

superstructure: steel, 3-panel, pin-connected Pratt pony truss
substructure: steel pile bent abutments and timber wingwalls

span number:	1	**condition:**	fair
span length:	40.0'	**alterations:**	unknown
total length:	40.0'	**floor/decking :**	timber decking
roadway width:	11.8'	**other features:**	guardrail: steel angle

HISTORICAL DATA

erection date: 1903
erection cost: $246.00
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 No. 262001.7; Mercer County Court Minute Book K: page 16 (3 February 1903), located at Mercer County Courthouse, Princeton MO.

sign. rating: 41
evaluation: NRHP non-eligible (typical example of common structural type)

inventoried by: Clayton B. Fraser 1 April 1991

Medicine Creek Bridge

MERC22

GENERAL DATA

structure no.:	282003.0	**city/town:**	13.6 miles southeast of Princeton
county:	Mercer	**feature inters.:**	Medicine Creek
		cadastral grid:	S4, T63N, R22W
		highway route:	county road
		highway distr.:	2
		current owner:	Mercer 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:	145.0'	**floor/decking :**	timber deck
roadway width:	13.7'	**other features:**	guardrail: steel angle

HISTORICAL DATA

erection date: c1915
erection cost: unknown
designer: unknown
fabricator : unknown
contractor: unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 282003.0.

sign. rating: 30
evaluation: NRHP non-eligible (undistinguished, poorly documented example of common structural type)

inventoried by: Clayton B. Fraser 1 April 1991

West Medicine Creek Bridge

MERC23

GENERAL DATA

structure no.: 284000.7
county: Mercer
city/town: 12.8 miles southeast of Princeton
feature inters.: West Medicine Creek
cadastral grid: S33, T64N, R22W
highway route: county road
highway distr.: 2
current owner: Mercer County

STRUCTURAL DATA

superstructure: steel, 6-panel, pin-connected Pratt through truss
substructure: unknown

span number: 1
span length: 80.0'
total length: 128.0'
roadway width: 13.8'
condition: fair
alterations: truss perhaps moved
floor/decking : timber deck over steel stringers
other features: guardrail: none

HISTORICAL DATA

erection date: c1900
erection cost: unknown
designer: unknown
fabricator : unknown
contractor: unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 284000.7.

sign. rating: 21
evaluation: NRHP non-eligible (typically configured, inadequately documented example of common structural type)

inventoried by: Clayton B. Fraser 1 April 1991

Bridge

MERC24

GENERAL DATA

structure no.:	301000.1	**city/town:**	8.3 miles southwest of Princeton
county:	Mercer	**feature inters.:**	branch of Sandy Creek
		cadastral grid:	S8, T64N, R25W
		highway route:	county road
		highway distr.:	2
		current owner:	Mercer County

STRUCTURAL DATA

superstructure: steel stringer
substructure: unknown

span number:	1	**condition:**	fair
span length:	26.0'	**alterations:**	unknown
total length:	26.0'	**floor/decking :**	timber deck
roadway width:	12.0'	**other features:**	unknown

HISTORICAL DATA

erection date: 1902
erection cost: $171.00
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 No. 301000.1; Mercer County Court Minute Book J: pages 421-22 (18 April 1902), located at Mercer County Courthouse, Princeton MO.

sign. rating: 36
evaluation: NRHP non-eligible (typical example of common structural type)

inventoried by: Clayton B. Fraser 1 April 1991

HAER INVENTORY
Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE
West Medicine Creek Bridge
MHTD:
122002.5

MERC12

DATE(S) OF CONSTRUCTION
1899

LOCATION
county road over West Medicine Creek; S6, T65N, R22W / S32, T66N, R22W
7.1 miles southeast of Mercer; Mercer County, Missouri

USE (ORIGINAL / CURRENT)
roadway bridge / roadway bridge

RATING NRHP possibly eligible (score: 48)

CONDITION
fair

OWNER
Mercer County

span number:	1	superstructure:	steel, 3-panel, pin-connected Pratt truss-leg bedstead
span length:	40.0'	substructure:	truss-leg abutments and timber wingwalls
total length:	40.0'	floor/decking:	timber deck
roadway wdt.:	12.0'	other features:	unknown

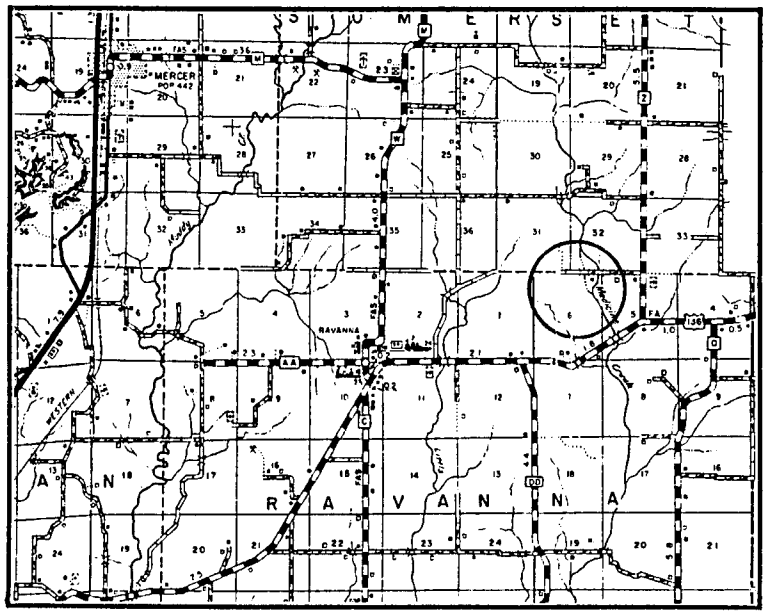
This short-span truss crosses the West Medicine Creek some seven miles southeast of Mercer. The structure consists of a single Pratt bedstead, supported by truss-leg piers and approached on one end by a stringer span. With pinned connections and a timber deck, the bridge was erected here in 1899 by the Dildine Bridge Company of Cameron, Missouri, for $425.00. Since that time the structure has carried vehicular traffic in relatively well-preserved condition.

In a bedstead truss, a single "leg" functioned as both end post and support at each corner of the structure. This combined super- and substructure reduced erection costs somewhat, but bedsteads were prey to flood and collision damage and suffered from inherent structural weaknesses relating to compression stress in the lower chords. Despite these weaknesses, numerous truss leg bedsteads were erected throughout Missouri in the late 1890s and early 1900s. Hundreds remain in place today; in fact, Missouri has probably more bedsteads than any other state. This bridge in Mercer County is distinguished as the earliest example remaining in Missouri of this mainstay structural type: a well-preserved, small-scale example of a prevailing statewide construction trend.

NAME(S) OF STRUCTURE

West Medicine 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 No. 122002.5; Mercer County Court Minute Book J: page 189 (7 August 1899), pages 200-01 (5 September 1899), located at Mercer County Courthouse, Princeton MO.

INVENTORIED BY	AFFILIATION	DATE
Clayton B. Fraser	Fraserdesign, Loveland CO	3 July 1993

HAER INVENTORY

Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE
Muddy Creek Bridge
MHTD: 244000.7

MERC19

DATE(S) OF CONSTRUCTION
1908

LOCATION
county road over Muddy Creek; S24, T64N, R24W
4.8 miles southeast of Princeton; Mercer County, Missouri

USE (ORIGINAL / CURRENT)
roadway bridge / roadway bridge

RATING NRHP non-eligible (score: 46)

CONDITION
fair

OWNER
Mercer County

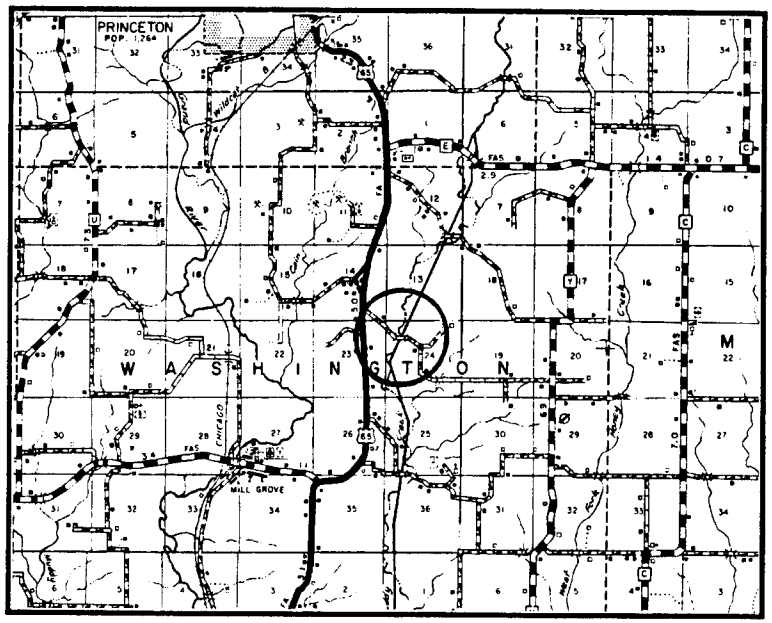
span number:	1	superstructure:	steel, 4-panel, pin-connected Pratt pony truss with steel stringer approach spans
span length:	70.0'	substructure:	steel pile bent abutments with timber backwalls; steel pile bent piers at north end; steel cylinder piers at south end (one steel cylinder pier lying in water)
total length:	108.0'		
roadway wdt.:	13.8'	floor/decking:	timber decking over steel stringers
		other features:	upper chord/ inclined end post: 2 channels with cover and batten plates; lower chord: 2 looped rectangular eyebars; vertical: 4 angles with double lacing; diagonal: 2 looped rectangular eyebars; counter: round eyerod with turnbuckle; lateral bracing: round rod with threaded ends; floor beam: I-beam, field-bolted to vertical; guardrail: 1 angle

This bridge carries a gravel-surfaced county road across Muddy Creek about five miles southeast of Princeton, in south-central Mercer County. Resting on a substructure of steel pile bents and concrete-filled steel cylinder piers, the truss is configured as a four-panel pin-connected Pratt pony truss. County records show that the structure was built in 1908 by the Dildine Bridge Company of Cameron, Missouri. Contracted for a price of $600.00, the span was included in a group of eight bridges that Dildine built for Mercer County that summer. Most of the county's bridges dating from this period - essentially all of which were erected by Dildine - have been moved to other locations, or dismantled entirely. This modest crossing, however, still carries traffic in its original location. The bridge has not been altered significantly, and as such it retains much of its historical integrity.

NAME(S) OF STRUCTURE

Muddy 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 No. 244000.7; Mercer County Court Minute Book L: page 345 (10 June 1908), page 422 (4 November 1908), located at Mercer County Courthouse, Princeton MO; field inspection by Clayton Fraser and Carl McWilliams, 8 December 1990.

INVENTORIED BY	AFFILIATION	DATE
Clayton Fraser and Carl McWilliams	Fraserdesign, Loveland CO	1 April 1991