

ANDREW COUNTY

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

Inv. No.	FHWA	Bridge Name	Description
ANDR01	J 201	Rosendale Bridge	1-100' riveted Warren pony truss 1930 Fred M. Clark
ANDR02	K 84	Platte River Bridge	1-120' riveted Pratt through truss 1932 Fred M. Clark and Sons
*ANDR03	L 202A	102 River Bridge	1-120' riveted polyg. Warren pony truss 1947 Clark & Runquist Constr. Co.
*ANDR04	007001.0	Arapahoe Creek Bridge	1- 90' riveted Pratt pony truss c1915
ANDR05	014000.9	Arapahoe Creek Bridge	1- 45' pinned Pratt pony truss c1910
ANDR06	027000.9	Arapahoe Creek Bridge	1- 80' riveted Camelback pony truss c1925
ANDR07	027002.0	Arapahoe Creek Bridge	1- 40' pinned Pratt pony truss c1910
ANDR08	029000.6	Arapahoe Creek Bridge	1-100' riveted Camelback pony truss c1925
ANDR09	040000.0	Pedlar Creek Bridge	1- 40' pinned Pratt pony truss c1910
*ANDR10	048000.0	Leach Mill Bridge	2- 70' pinned Pratt through truss 1913 A.S. Seybert
ANDR11	062001.0	Bridge	1- 45' pinned Pratt pony truss c1915
ANDR12	067000.4	Lincoln Creek Bridge	1- 40' pinned Pratt pony truss c1910
ANDR13	077000.6	Lincoln Creek Bridge	1- 50' pinned Pratt pony truss c1910
*ANDR14	080001.4	White Cloud Creek Bridge	(replaced)
*ANDR15	092001.0	Cawood Bridge	(replaced)
ANDR16	096000.6	Hickory Creek Bridge	(replaced)
ANDR17	143000.2	Bridge	1- 45' pinned Pratt pony truss c1905
ANDR18	150000.3	Kellogg Branch Bridge	1- 40' pinned Pratt pony truss c1910
*ANDR19	164001.0	Bridge	1- 80' 2-angle Camelback pony truss c1925
*ANDR20	198001.9	Fish Trap Bridge	(replaced)
ANDR21	206002.7	Crooked Creek Bridge	1- 40' pinned Pratt pony truss c1915
ANDR22	207000.5	Agee Creek Bridge	1- 40' pinned Pratt pony truss 1902 John Clark
ANDR23	209001.6	Crooked Creek Bridge	1- 45' pinned Pratt pony truss c1910
ANDR24	272000.9	Third Fork Bridge	1- 56' pinned Pratt pony truss 1908 Standard Bridge Co., Omaha

ANDREW COUNTY

INCLUDED (cont.):

ANDR25	275001.3	Muddy Creek Bridge			(replaced)
*ANDR26	276001.1	Muddy Creek Bridge	1- 70'	c1925	2-angle Camelback pony truss
*ANDR27	337000.0	Daily Bridge	1-100'	1901	pinned Pratt through truss J.H. Sparks
ANDR28	374000.1	Dillon Creek Bridge	1- 50'	c1910	pinned Pratt pony truss
ANDR29	375000.7	Dillon Creek Bridge	1- 56'	c1905	pinned Pratt pony truss
*ANDR30	377000.3	Dillon Creek Bridge	1- 60'	c1925	2-angle Pratt pony truss
*ANDR31	392002.2	Mace Creek Bridge	1-120'	c1925	2-angle Parker through truss
ANDR32	418000.8	Caples Creek Bridge	1- 45'	c1910	riveted lattice bedstead Illinois Stl. Bridge Co. (prob.)
ANDR33	422000.2	Mill Creek Bridge	1- 45'	c1910	pinned Pratt pony truss

EXCLUDED:

Pratt pony truss
013001.6 027002.8 399000.6 402000.0

Warren pony truss
K 349 311000.8 446000.0

Steel stringer

K 85	K 131	K 350	S 190	006001.0	016002.5	018000.4
025000.2	031000.2	034000.6	036000.4	045000.0	050000.4	050001.2
052000.2	054001.5	054001.7	056001.0	062000.1	063001.0	073000.5
078000.4	078000.7	091001.5	092000.9	094000.0	096003.6	098500.1
098500.2	109001.3	122003.1	125002.4	125003.0	128000.2	130000.7
133000.2	137000.7	145000.9	156000.5	181000.7	186001.9	210000.8
216001.0	220000.6	221000.2	231000.7	235000.5	235002.8	235004.8
238000.4	245001.4	249000.4	257000.1	259000.8	264000.2	266R01.0
295000.3	297R00.4	304001.3	315001.2	315001.6	321001.2	325000.7
362000.1	365000.5	366000.2	372002.8	377000.1	401001.5	404003.5
408001.0	410R02.1	411000.1	418002.5	420001.0	422000.5	423001.2
423002.5						

Steel girder
423002.3

Concrete girder
H 910 H1000 J 3R 446001.3

Concrete box culvert
G 925 K 86 308R01.0

ANDREW COUNTY

SUMMARY:

	Primary	Secondary	Urban	Other	Total
Included	3	25	0	0	28
Excluded	10	83	0	0	93
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	13	108	0	0	121 structures

Rosendale Bridge

ANDR01

GENERAL DATA

structure no.:	J 201	city/town:	Rosendale
county:	Andrew	feature inters.:	102 River
		cadastral grid:	S34, T61N, R35W
		highway route:	Missouri State Highway 48
		highway distr.:	1
		current owner:	Missouri Highway and Transportation Department

STRUCTURAL DATA

superstructure: steel, 6-panel, rigid-connected Warren pony truss; 10 concrete deck girder approach spans

substructure: concrete abutments and wingwalls; hammerhead spill-through piers

span number:	1	condition:	good
span length:	100.0'	alterations:	none
total length:	577.0'	floor/decking :	concrete deck over steel stringers
roadway width:	20.0'	other features:	steel guardrails

HISTORICAL DATA

erection date: 1929-30
erection cost: \$49,087.01
designer: Missouri State Highway Department
fabricator : unknown
contractor: Fred M. Clark

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. J 201; Primary System Bridge Files - located at the Missouri Highway and Transportation Department, Jefferson City MO.

sign. rating: 43
evaluation: NRHP non-eligible (typical example of MSHD standard truss design)

inventoried by: Michelle Crow-Dolby 27 May 1993

Platte River Bridge

ANDR02

GENERAL DATA

structure no.: K 84	city/town: 2.0 miles east of Whitesville
county: Andrew	feature inters.: Platte River
	cadastral grid: S27, T61N, R34W
	highway route: Missouri State Highway 48
	highway distr.: 1
	current owner: Missouri Highway and Transportation Department

STRUCTURAL DATA

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

substructure: concrete abutments and wingwalls; hammerhead spill-through piers

span number: 1	condition: good
span length: 120.0'	alterations: none
total length: 404.0'	floor/decking : concrete deck over steel stringers
roadway width: 22.0'	other features: steel angle guardrails

HISTORICAL DATA

erection date: 1932
erection cost: \$26,574.64
designer: Missouri State Highway Department
fabricator : unknown
contractor: Fred M. Clark and Sons

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. K 84; Primary System Bridge Files - located at the Missouri Highway and Transportation Department, Jefferson City MO.

sign. rating: 41
evaluation: NRHP non-eligible (typical example of MSHD standard truss design)

inventoried by: Michelle Crow-Dolby 27 May 1993

102 River Bridge

ANDR03

GENERAL DATA

structure no.: L 202A	city/town: 3.3 miles east of Savannah
county: Andrew	feature inters.: 102 River
	cadastral grid: S12, T59N, R35W
	highway route: State Secondary Route E
	highway distr.: 1
	current owner: Missouri Highway and Transportation Department

STRUCTURAL DATA

superstructure: steel, 12-panel, rigid-connected Warren pony truss, skewed, with polygonal upper chords; 5 steel stringer approach spans on east end

substructure: concrete abutments and wingwalls; steel pile bent piers with concrete caps; 1 solid concrete pier

span number: 1	condition: good
span length: 120.0'	alterations: none
total length: 331.0'	floor/decking : concrete over steel stringers
roadway width: 22.0'	other features: upper chord and inclined end post: 2 channels with cover plate and lacing; lower chord: 2 channels with batten plates; vertical: I-beam; diagonal: I-beam; lateral bracing: angle; floor beam: I-beam; guardrail: 2 angles

HISTORICAL DATA

erection date: 1947

erection cost: \$69,276.30

designer: Missouri State Highway Department

fabricator : Illinois Steel Company, Chicago IL

contractor : Clark and Runquist Construction Company

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. L 202A; Primary System Bridge Files - located at the Missouri Highway and Transportation Department, Jefferson City, MO; field inspection by Mitzi Rossillon, 7 September 1990.

sign. rating: 64

evaluation: NRHP possibly eligible (well-preserved, long-span, relatively late example of uncommon structural type)

inventoried by: Clayton B. Fraser 27 May 1993

Arapahoe Creek Bridge

ANDR04

GENERAL DATA

structure no.:	007001.0	city/town:	3.8 miles north of Fillmore
county:	Andrew	feature inters.:	Arapahoe Creek
		cadastral grid:	S18, T61N, R36W
		highway route:	County Road 7
		highway distr.:	1
		current owner:	Andrew County

STRUCTURAL DATA

superstructure:	steel, 6-panel, rigid-connected Pratt pony truss		
substructure:	steel pile bent abutments with timber back- and wingwalls		
span number:	1	condition:	fair
span length:	90.0'	alterations:	none
total length:	91.0'	floor/decking :	timber deck over steel stringers
roadway width:	14.3'	other features:	upper chord and inclined end post: 2 channels with cover plate and lacing; lower chord: 2 angles with batten plates; vertical: 2 angles with batten plates; diagonal: 2 angles with batten plates (diagonals and verticals attached with bolt through gusset plates); lateral bracing: angle attached to gusset plate, between floor beam and lower chord (2 angle knee-braces); floor beam: I-beam bolted to vertical; guardrail: 2 angles

HISTORICAL DATA

erection date:	c1915
erection cost:	unknown
designer:	unknown
fabricator :	Illinois Steel Company, Chicago IL
contractor:	unknown
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 007001.0; field inspection by Mitzi Rossillon, 7 September 1990.
sign. rating:	32
evaluation:	NRHP non-eligible (typical example of common structural type, largely undocumented)

Inventoried by: Michelle Crow-Dolby 27 May 1993

Arapahoe Creek Bridge

ANDR05

GENERAL DATA

structure no.:	014000.9	city/town:	3.9 miles north of Fillmore
county:	Andrew	feature inters.:	Arapahoe Creek
		cadastral grid:	S19, T61N, R36W
		highway route:	County Road 14
		highway distr.:	1
		current owner:	Andrew County

STRUCTURAL DATA

superstructure:	steel, 3-panel, pin-connected Pratt pony truss; timber stringer approach span		
substructure:	steel pile bent pier and abutments with timber wingwalls		
span number:	1	condition:	fair
span length:	45.0'	alterations:	unknown
total length:	76.0'	floor/decking :	timber deck
roadway width:	11.9'	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 No. 014000.9.

sign. rating:	25
evaluation:	NRHP non-eligible (typical example of common structural type, largely undocumented)

Inventoried by: Michelle Crow-Dolby 27 May 1993

Arapahoe Creek Bridge

ANDR06

GENERAL DATA

structure no.:	027000.9	city/town:	5.8 miles west of Bolckow
county:	Andrew	feature inters.:	Arapahoe Creek
		cadastral grid:	S3/10, T61N, R36W
		highway route:	County Road 27
		highway distr.:	1
		current owner:	Andrew County

STRUCTURAL DATA

superstructure: steel, rigid-connected Camelback pony truss
substructure: steel pile bent piers with timber wingwalls

span number:	1	condition:	fair
span length:	80.0'	alterations:	unknown
total length:	81.0'	floor/decking :	timber deck
roadway width:	15.7'	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 No. 027000.9.

sign. rating: 44
evaluation: NRHP non-eligible (poorly documented example of Pratt truss subtype)

inventoried by: Michelle Crow-Dolby 27 May 1993

Arapahoe Creek Bridge

ANDR07

GENERAL DATA

structure no.:	027002.0	city/town:	5.6 miles west of Bolckow
county:	Andrew	feature inters.:	Arapahoe Creek
		cadastral grid:	S2/11, T61N, R36W
		highway route:	County Road 27
		highway distr.:	1
		current owner:	Andrew County

STRUCTURAL DATA

superstructure:	steel, 3-panel, pin-connected Pratt pony truss		
substructure:	steel pile bent pier and abutments with timber wingwalls		
span number:	1	condition:	fair
span length:	40.0'	alterations:	unknown
total length:	57.0'	floor/decking :	timber deck
roadway width:	13.6'	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 No. 027002.0.

sign. rating:	25
evaluation:	NRHP non-eligible (typical example of common structural type, largely undocumented)

inventoried by: Michelle Crow-Dolby 27 May 1993

Arapahoe Creek Bridge

ANDR08

GENERAL DATA

structure no.:	029000.6	city/town:	7.1 miles west of Bolckow
county:	Andrew	feature inters.:	Arapahoe Creek
		cadastral grid:	S9/10, T61N, R36W
		highway route:	County Road 29
		highway distr.:	1
		current owner:	Andrew County

STRUCTURAL DATA

superstructure:	steel, 5-panel, rigid-connected Camelback pony truss		
substructure:	steel pile bent abutments with timber wingwalls		
span number:	1	condition:	fair
span length:	100.0'	alterations:	unknown
total length:	102.0'	floor/decking :	timber deck
roadway width:	17.6'	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 No. 029000.6.

sign. rating:	44
evaluation:	NRHP non-eligible (poorly documented example of Pratt truss subtype)

inventoried by: Michelle Crow-Dolby 27 May 1993

Pedlar Creek Bridge

ANDR09

GENERAL DATA

structure no.:	040000.0	city/town:	4.5 miles northwest of Rosendale
county:	Andrew	feature inters.:	Pedlar Creek
		cadastral grid:	S25, T61N, R36W
		highway route:	County Road 40
		highway distr.:	1
		current owner:	Andrew County

STRUCTURAL DATA

superstructure:	steel, 3-panel, pin-connected Pratt pony truss		
substructure:	concrete-filled steel cylinder piers		
span number:	1	condition:	fair
span length:	40.0'	alterations:	unknown
total length:	53.0'	floor/decking :	timber deck
roadway width:	11.6'	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 No. 040000.0.

sign. rating:	25
evaluation:	NRHP non-eligible (typically configured example of common structural type, largely undocumented)

inventoried by: Michelle Crow-Dolby 27 May 1993

Leach Mill Bridge

ANDR10

GENERAL DATA

structure no.: 048000.0	city/town: 1.8 miles west of Fillmore
county: Andrew	feature inters.: Nodaway River
	cadastral grid: S12, T60N, R37W
	highway route: County Road 48
	highway distr.: 1
	current owner: Andrew County / Holt County

STRUCTURAL DATA

superstructure: steel, 8-panel, pin-connected Pratt through truss on east end; steel, 3-panel, pin-connected Pratt pony truss on west end
substructure: concrete-filled steel cylinder piers; steel pile bent abutments

span number: 2	condition: fair
span length: 70.0'	alterations: none
total length: 130.0'	floor/decking : timber deck over steel stringers
roadway width: 15.7'	other features: through truss: upper chord and inclined end post: 2 channels with cover plate and lacing; lower chord: 2 punched rectangular eyebars; vertical: 2 channels with lacing; diagonal: 2 punched rectangular eyebars; counter: round rod with turnbuckle; floor beam: I-beam, field-bolted to verticals; guardrail: 1 angle; pony truss: upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 punched rectangular eyebars; vertical: 4 angles with lacing; diagonal: 2 punched rectangular eyebars; counter: round rod with turnbuckle; floor beam: I-beam, field-bolted to verticals; guardrail: steel channel

HISTORICAL DATA

erection date: 1913
erection cost: \$4225.00 (contract amount)
designer: unknown
fabricator : Inland Steel Company, East Chicago IN (top chord); Lackawanna Steel Company, Pittsburgh PA (verticals)
contractor : A.S. Seybert
references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 048000.0; original plans "for Bridge across Nodaway River at Leach Mills" (N^o 30, 1913), and contract with A.S. Seybert (1913) - located in old bridge specifications box **Bridge Contracts and Bonds 1911**, at Andrew County Courthouse, Savannah MO; field inspection by Mark Hufstetler, 7 September 1990.

Leach Mill Bridge

sign. rating: 44
evaluation: NRHP non-eligible (typically configured, relatively late example of main-stay structural type, distinguished somewhat by its through/pony truss configuration.)

inventoried by: Michelle Crow-Dolby 27 May 1993

Bridge

ANDR11

GENERAL DATA

structure no.:	062001.0	city/town:	5.1 miles southwest of Rosendale
county:	Andrew	feature inters.:	branch of Lincoln Creek
		cadastral grid:	S14, T60N, R36W
		highway route:	County Road 62
		highway distr.:	1
		current owner:	Andrew County

STRUCTURAL DATA

superstructure:	steel, 3-panel, pin-connected Pratt pony truss		
substructure:	steel pile bent abutments with timber back- and wingwalls		
span number:	1	condition:	fair
span length:	45.0'	alterations:	unknown
total length:	46.0'	floor/decking :	timber deck
roadway width:	18.0'	other features:	steel angle guardrails

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. 062001.0.

sign. rating:	20
evaluation:	NRHP non-eligible (typically configured example of common structural type, largely undocumented)

inventoried by: Michelle Crow-Dolby 27 May 1993

Lincoln Creek Bridge

ANDR12

GENERAL DATA

structure no.:	067000.4	city/town:	5.0 miles southwest of Rosendale
county:	Andrew	feature inters.:	Lincoln Creek
		cadastral grid:	S15, T60N, R36W
		highway route:	County Road 67
		highway distr.:	1
		current owner:	Andrew County

STRUCTURAL DATA

superstructure: steel, 3-panel, pin-connected Pratt pony truss, with steel stringer approach spans

substructure: concrete-filled steel cylinder piers

span number:	1	condition:	fair
span length:	40.0'	alterations:	unknown
total length:	88.0'	floor/decking :	timber deck
roadway width:	15.3'	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 No. 067000.4.

sign. rating: 25
evaluation: NRHP determined non-eligible (typically configured, poorly documented example of common structural type)

inventoried by: Michelle Crow-Dolby 27 May 1993

Lincoln Creek Bridge

ANDR13

GENERAL DATA

structure no.:	077000.6	city/town:	1.7 miles southwest of Fillmore
county:	Andrew	feature inters.:	Lincoln Creek
		cadastral grid:	S24, T60N, R37W
		highway route:	County Road 77
		highway distr.:	1
		current owner:	Andrew County

STRUCTURAL DATA

superstructure:	steel, 3-panel, pin-connected Pratt pony truss, with steel stringer approach spans		
substructure:	timber pile bent abutments, wingwalls and piers		
span number:	1	condition:	fair
span length:	50.0'	alterations:	truss probably moved to this location
total length:	107.0'	floor/decking :	timber deck
roadway width:	13.6'	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 No. 077000.6.

sign. rating:	16
evaluation:	NRHP determined non-eligible (undistinguished example of common structural type, probably moved)

inventoried by: Michelle Crow-Dolby 27 May 1993

Bridge

ANDR17

GENERAL DATA

structure no.: 143000.2	city/town: 1.8 miles west of Bolckow
county: Andrew	feature inters.: branch of 102 River
	cadastral grid: S8, T61N, R35W
	highway route: County Road 143
	highway distr.: 1
	current owner: Andrew County

STRUCTURAL DATA

superstructure: steel, 3-panel, pin-connected Pratt pony truss	
substructure: timber pile bent abutments, wingwalls and piers	
span number: 1	condition: fair
span length: 45.0'	alterations: unknown
total length: 58.0'	floor/decking : timber deck
roadway width: 14.0'	other features: none

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 No. 143000.2.

sign. rating: 26
evaluation: NRHP non-eligible (undistinguished example of common structural type, inadequately documented)

inventoried by: Michelle Crow-Dolby 27 May 1993

Kellogg Branch Bridge

ANDR18

GENERAL DATA

structure no.: 150000.3	city/town: 2.0 miles southwest of Rosendale
county: Andrew	feature inters.: Kellogg Branch
	cadastral grid: S17, T60N, R35W
	highway route: County Road 150
	highway distr.: 1
	current owner: Andrew County

STRUCTURAL DATA

superstructure: steel, 3-panel, pin-connected Pratt pony truss	
substructure: concrete-filled steel cylinder piers	
span number: 1	condition: fair
span length: 40.0'	alterations: unknown
total length: 66.0'	floor/decking : timber deck
roadway width: 12.0'	other features: none

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. 150000.3.

sign. rating: 25
evaluation: NRHP non-eligible (undistinguished example of common structural type, inadequately documented)

inventoried by: Michelle Crow-Dolby 27 May 1993

Bridge

ANDR19

GENERAL DATA

structure no.:	164001.0	city/town:	2.4 miles south of Rosendale
county:	Andrew	feature inters.:	branch of 102 River
		cadastral grid:	S22, T60N, R35W
		highway route:	County Road 164
		highway distr.:	1
		current owner:	Andrew County

STRUCTURAL DATA

superstructure:	steel, 5-panel, 2-angle, rigid-connected Camelback pony truss		
substructure:	steel pile bent piers with timber wingwalls		
span number:	1	condition:	fair
span length:	80.0'	alterations:	none
total length:	81.0'	floor/decking :	concrete deck over steel stringers
roadway width:	15.8'	other features:	upper chord, inclined end post, lower chord, vertical, diagonal: 2 angles; counter: 1 angle; lateral bracing: round rod with threaded ends; floor beam: I-beam, field-bolted to verticals; guardrail: 2 steel angles

HISTORICAL DATA

erection date:	c1925
erection cost:	unknown
designer:	unknown
fabricator :	Inland Steel Company, East Chicago IN; Bethlehem Steel Company, Bethlehem PA
contractor :	unknown
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 164001.0; field inspection by Mitzi Rossillon, 11 September 1990.
sign. rating:	43
evaluation:	NRHP non-eligible (undistinguished example of uncommon structural type, inadequately documented)

inventoried by: Michelle Crow-Dolby 27 May 1993

Crooked Creek Bridge

ANDR21

GENERAL DATA

structure no.: 206002.7	city/town: 1.3 miles southwest of Flag Springs
county: Andrew	feature inters.: Crooked Creek
	cadastral grid: S14, T60N, R34W
	highway route: County Road 206
	highway distr.: 1
	current owner: Andrew County

STRUCTURAL DATA

superstructure: steel, 3-panel, pin-connected Pratt pony truss	
substructure: steel pile bent abutments with timber wingwalls	
span number: 1	condition: fair
span length: 40.0'	alterations: unknown
total length: 41.0'	floor/decking : timber deck
roadway width: 11.7'	other features: steel angle guardrails

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. 206002.7.

sign. rating: 20
evaluation: NRHP non-eligible (undistinguished example of common structural type, inadequately documented)

inventoried by: Michelle Crow-Dolby 27 May 1993

Agee Creek Bridge

ANDR22

GENERAL DATA

structure no.: 207000.5	city/town: 2.8 miles west of Flag Springs
county: Andrew	feature inters.: Agee Creek
	cadastral grid: S9, T60N, R34W
	highway route: County Road 207
	highway distr.: 1
	current owner: Andrew County

STRUCTURAL DATA

superstructure: steel, 3-panel, pin-connected Pratt pony truss	
substructure: steel pile bent piers and abutments with timber wingwalls	
span number: 1	condition: fair
span length: 40.0'	alterations: unknown
total length: 64.0'	floor/decking : timber deck
roadway width: 12.0'	other features: steel angle guardrails

HISTORICAL DATA

erection date: 1901-02
erection cost: unknown
designer: unknown
fabricator : unknown
contractor: John Clark

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 207000.5.

sign. rating: 37
evaluation: NRHP non-eligible (typical example of common structural type)

inventoried by: Michelle Crow-Dolby 27 May 1993

Crooked Creek Bridge

ANDR23

GENERAL DATA

structure no.:	209001.6	city/town:	0.9 mile northwest of Flag Creek
county:	Andrew	feature inters.:	Crooked Creek
		cadastral grid:	S11, T60N, R34W
		highway route:	County Road 209
		highway distr.:	1
		current owner:	Andrew County

STRUCTURAL DATA

superstructure:	steel, 3-panel, pin-connected Pratt pony truss		
substructure:	concrete-filled steel cylinder piers		
span number:	1	condition:	fair
span length:	45.0'	alterations:	unknown
total length:	71.0'	floor/decking :	timber deck
roadway width:	11.9'	other features:	none

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. 209001.6.

sign. rating:	25
evaluation:	NRHP non-eligible (typical example of common structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 27 May 1993

Third Fork Bridge

ANDR24

GENERAL DATA

structure no.:	272000.9	city/town:	4.4 miles southeast of Cosby
county:	Andrew	feature inters.:	Third Fork of Platte River
		cadastral grid:	S16/21, T58N, R33W
		highway route:	County Road 272
		highway distr.:	1
		current owner:	Andrew County / DeKalb 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:	56.0'	alterations:	unknown
total length:	90.0'	floor/decking :	timber deck
roadway width:	11.8'	other features:	steel angle guardrails

HISTORICAL DATA

erection date:	1908
erection cost:	\$6335.95 (multi-bridge contract)
designer:	Standard Bridge Company, Omaha NE (probable)
fabricator :	Standard Bridge Company, Omaha NE
contractor :	Standard Bridge Company, Omaha NE

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 272000.9; original bridge drawings for "Steel Bridge Across Third Fork" (N^o 2, 1908) - located in old bridge-specifications box at Andrew County Courthouse, Savannah MO; contract with Standard Bridge Company for 10 bridges in the amount of \$6335.95 (1908) - located at the Andrew County Courthouse, Savannah MO.

sign. rating:	39
evaluation:	NRHP non-eligible (typical example of common structural type)

inventoried by: Michelle Crow-Dolby 27 May 1993

Muddy Creek Bridge

ANDR26

GENERAL DATA

structure no.: 276001.1	city/town: 2.6 miles southeast of Cosby
county: Andrew	feature inters.: Muddy Creek
	cadastral grid: S18/19, T58N, R33W
	highway route: County Road 276
	highway distr.: 1
	current owner: Andrew County

STRUCTURAL DATA

superstructure: steel, 5-panel, 2-angle, rigid-connected Camelback pony truss
substructure: steel pile bent abutments with timber back- and wingwalls

span number: 1	condition: fair
span length: 70.0'	alterations: unknown
total length: 71.0'	floor/decking : timber deck over steel and timber stringers
roadway width: 15.8'	other features: upper chord, inclined end post, lower chord, vertical, diagonal: 2 angles; lateral bracing: round rod with threaded ends; floor beam: I-beam, field-bolted to verticals; guardrail: 2 angles

HISTORICAL DATA

erection date: c1925
erection cost: unknown
designer: unknown
fabricator : Inland Steel Company, East Chicago IN
contractor : unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 276001.1; field inspection by Mitzi Rossillon, 8 September 1990.

sign. rating: 43
evaluation: NRHP non-eligible (undistinguished example of uncommon structural type, inadequately documented)

inventoried by: Michelle Crow-Dolby 27 May 1993

Daily Bridge

ANDR27

GENERAL DATA

structure no.: 337000.0	city/town: 2.2 miles east of Savannah
county: Andrew	feature inters.: 102 River
	cadastral grid: S14, T59N, R35W
	highway route: County Road 337
	highway distr.: 1
	current owner: Andrew County

STRUCTURAL DATA

superstructure: steel, 6-panel, pin-connected Pratt through truss; 2 steel, 3-panel, pin-connected Pratt pony approach spans

substructure: ashlar sandstone abutments; concrete-filled steel cylinder piers

span number: 1	condition: good
span length: 100.0'	alterations: repair work to the concrete abutments with concrete on top and south side
total length: 204.0'	floor/decking: timber deck over steel and timber stringers
roadway width: 15.5'	other features: through truss: upper chord and inclined end post: 2 channels with cover plate and lacing; lower chord: 2 punched rectangular eyebars; vertical: 2 channels with lacing (4 angles with continuous plate at end posts); diagonal: 2 punched rectangular eyebars; counter: square eyebar with turnbuckle; lateral bracing: round rod with threaded ends; strut: 2 angles; portal strut: lattice; floor beam: I-beam with plates, field-bolted to vertical; guardrail: 2 angles;
	pony trusses: 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; counter: round rod with turnbuckles; lateral bracing: round rod with threaded ends; floor beam: I-beam with plates, field-bolted to vertical; guardrail: 2 angles

HISTORICAL DATA

erection date: 1901
erection cost: \$1469.00 (superstructure contract)
designer: unknown
fabricator : Lackawanna Steel Company, Pittsburgh PA
contractor : superstructure: J.H. Sparks;
substructure: W.E. Scott

Daily Bridge

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 337000.0; Andrew County Court Record, Book N: page 628 (5 August 1901), page 628 (7 August 1901)- located at the Andrew County Courthouse, Savannah MO; field inspection by Mitzi Rossillon, 7 September 1990.

sign. rating: 51

evaluation: NRHP possibly eligible (well-preserved, multiple-span example of main-stay structural type)

inventoried by: Clayton B. Fraser 27 May 1993

Dillon Creek Bridge

ANDR28

GENERAL DATA

structure no.:	374000.1	city/town:	2.2 miles north of St. Joseph
county:	Andrew	feature inters.:	Dillon Creek
		cadastral grid:	S8, T58N, R35W
		highway route:	County Road 374
		highway distr.:	1
		current owner:	Andrew County

STRUCTURAL DATA

superstructure:	steel, 4-panel, pin-connected Pratt pony truss		
substructure:	steel pile bent piers with timber wingwalls		
span number:	1	condition:	fair
span length:	50.0'	alterations:	unknown
total length:	85.0'	floor/decking :	timber deck
roadway width:	11.5'	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 No. 374000.1.

sign. rating:	25
evaluation:	NRHP non-eligible (undistinguished example of common structural type, inadequately documented)

inventoried by: Michelle Crow-Dolby 27 May 1993

Dillon Creek Bridge

ANDR29

GENERAL DATA

structure no.:	375000.7	city/town:	3.0 miles northwest of St. Joseph
county:	Andrew	feature inters.:	Dillon Creek
		cadastral grid:	S7, T58N, R35W
		highway route:	County Road 375
		highway distr.:	1
		current owner:	Andrew County

STRUCTURAL DATA

superstructure:	steel, 4-panel, pin-connected Pratt pony truss		
substructure:	steel pile bent piers with timber wingwalls		
span number:	1	condition:	fair
span length:	56.0'	alterations:	unknown
total length:	97.0'	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 No. 375000.7.
sign. rating:	25
evaluation:	NRHP non-eligible (undistinguished example of common structural type, inadequately documented)

Inventoried by: Michelle Crow-Dolby 27 May 1993

Dillon Creek Bridge

ANDR30

GENERAL DATA

structure no.:	377000.3	city/town:	2.0 miles northwest of St. Joseph
county:	Andrew	feature inters.:	Dillon Creek
		cadastral grid:	S17, T58N, R35W
		highway route:	County Road 377
		highway distr.:	1
		current owner:	Andrew County

STRUCTURAL DATA

superstructure: steel, 4-panel, 2-angle, rigid-connected Pratt pony truss
substructure: steel pile bent abutments with timber wingwalls

span number:	1	condition:	fair
span length:	60.0'	alterations:	moderate collision damage
total length:	62.0'	floor/decking :	timber deck over steel stringers
roadway width:	13.7'	other features:	upper chord, inclined end post, lower chord, vertical: 2 angles; diagonal: 1 angle; lateral bracing: round rod with threaded ends; floor beam: I-beam; guardrail: 2 angles

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 No. 377000.3; field inspection by Mitzi Rossillon, 7 September 1990.

sign. rating: 32
evaluation: NRHP non-eligible (undistinguished example of uncommon structural type, inadequately documented)

inventoried by: Michelle Crow-Dolby 27 May 1993

Mace Creek Bridge

ANDR31

GENERAL DATA

structure no.: 392002.2	city/town: 2.0 miles south of Amazonia
county: Andrew	feature inters.: Mace Creek
	cadastral grid: S12, T58N, R36W
	highway route: County Road 392
	highway distr.: 1
	current owner: Andrew County

STRUCTURAL DATA

superstructure: steel, 7-panel, 2-angle, rigid-connected Parker through truss	
substructure: steel pile bent abutments with timber wingwalls	
span number: 1	condition: fair
span length: 120.0'	alterations: none
total length: 120.0'	floor/decking : timber deck over steel stringers
roadway width: 16.0'	other features: upper chord: 2 angles; inclined end post: 2 angles with gusset plates; lower chord: 2 angles; vertical: 2 angles; diagonal: 2 angles on end posts (1 angle on others); lateral bracing: round rod, top and bottom; floor beam: I-beam; guardrail: 2 angles

HISTORICAL DATA

erection date: c1925	
erection cost: unknown	
designer: unknown	
fabricator : Carnegie-Illinois, Pittsburgh PA	
contractor: unknown	
references:	Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 392002.2; field inspection by Mitzi Rossillon, 7 September 1990.
sign. rating: 46	
evaluation:	NRHP non-eligible (undistinguished example of uncommon structural type, inadequately documented)

inventoried by: Michelle Crow-Dolby 27 May 1993

Caples Creek Bridge

ANDR32

GENERAL DATA

structure no.: 418000.8	city/town: 3.2 miles southwest of Savannah
county: Andrew	feature inters.: Caples Creek
	cadastral grid: S24, T59N, R36W
	highway route: County Road 418
	highway distr.: 1
	current owner: Andrew County

STRUCTURAL DATA

superstructure: steel, 2-panel, lattice truss-leg bedstead	
substructure: steel pile bent piers with timber wingwalls	
span number: 1	condition: fair
span length: 45.0'	alterations: unknown
total length: 79.0'	floor/decking : timber deck
roadway width: 13.7'	other features: outriders at center panel point

HISTORICAL DATA

erection date: c1910	
erection cost: unknown	
designer: Illinois Steel Bridge Company, Jacksonville IL (probable)	
fabricator : Illinois Steel Bridge Company, Jacksonville IL (probable)	
contractor: Illinois Steel Bridge Company, Jacksonville IL (probable)	
references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 418000.8.	
sign. rating: 33	
evaluation: NRHP non-eligible (undistinguished, small-scale bridge, poorly documented)	

inventoried by: Michelle Crow-Dolby 27 May 1993

Mill Creek Bridge

ANDR33

GENERAL DATA

structure no.:	422000.2	city/town:	5.0 miles west of Savannah
county:	Andrew	feature inters.:	Mill Creek
		cadastral grid:	S10, T59N, R36W
		highway route:	County Road 422
		highway distr.:	1
		current owner:	Andrew County

STRUCTURAL DATA

superstructure:	steel, 3-panel, pin-connected Pratt pony truss		
substructure:	steel pile bent piers and abutments with timber wingwalls		
span number:	1	condition:	fair
span length:	45.0'	alterations:	unknown
total length:	64.0'	floor/decking :	timber deck
roadway width:	13.6'	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 No. 422000.2.

sign. rating:	25
evaluation:	NRHP non-eligible (typically configured, poorly documented example of common structural type)

inventoried by: Michelle Crow-Dolby 27 May 1993

HAER INVENTORY

Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE

102 River Bridge
MHTD: L 202A

ANDR03

DATE(S) OF CONSTRUCTION

1947

LOCATION

State Secondary Route E over 102 River; S12, T59N, R35W
3.3 miles east of Savannah; Andrew County, Missouri

USE (ORIGINAL / CURRENT)

highway bridge / highway bridge

RATING NRHP possibly eligible (score: 64)

CONDITION

good

OWNER

Missouri Highway and Transportation Department

span number: 1
span length: 120.0'
total length: 331.0'
roadway wdt.: 22.0'

superstructure: steel, 12-panel, rigid-connected Warren pony truss, skewed, with polygonal upper chords; 5 steel stringer approach spans on east end
substructure: concrete abutments and wingwalls; steel pile bent piers with concrete caps; 1 solid concrete pier
floor/decking: concrete over steel stringers
other features: upper chord and inclined end post: 2 channels with cover plate and lacing; lower chord: 2 channels with batten plates; vertical: I-beam; diagonal: I-beam; lateral bracing: angle; floor beam: I-beam; guardrail: 2 angles

Located east of Savannah, this long-span pony truss carries State Secondary Route E over the 102 River. The channel span consists of a single rigid-connected Warren pony truss, with polygonal upper chords, carried on a skew by a concrete substructure. A series of five steel stringer spans make up the east approach. The 102 River Bridge was designed in the summer of 1947 by engineers for the Missouri State Highway Department. On July 11th a contract to build the bridge was awarded to the Clark and Runquist Construction Company. The contractors used steel rolled by the Illinois Steel Company for the truss, completing the bridge later that year. Total cost: \$69,276.30. Since its completion, the 102 River Bridge has functioned in place, with no serious alterations.

The Missouri State Highway Department used riveted Warren configurations for its pony trusses almost from the time the agency developed its first bridge standards around 1920. Structurally straightforward and versatile, these ubiquitous trusses were erected by the hundreds throughout the state in span lengths ranging from 40 to 100 feet. In the early 1930s the highway department began designing Warren trusses with polygonal upper chords, a variation that was more materially conservant than the straight-chorded Warren for long-span applications. Relatively few of these Warren subtypes were built during the decade, due more to their extreme span length than to their utility. Fewer than ten of these polygonal Warren pony trusses have been identified as extant by the statewide bridge inventory. Fabricated from essentially the same drawings, their superstructures were virtually identical, other than minor details, such as the skew on the 102 River Bridge. With a construction date of 1947, this span in Andrew County is one of the last of its kind built. And with a span length of 120 feet, it is the longest.

HAER INVENTORY

Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE

Daily Bridge
MHTD: 337000.0

ANDR27

DATE(S) OF CONSTRUCTION

1901

LOCATION

County Road 337 over 102 River; S14, T59N, R35W
2.2 miles east of Savannah; Andrew County, Missouri

USE (ORIGINAL / CURRENT)

roadway bridge / roadway bridge

RATING NRHP possibly eligible (score: 51)

CONDITION

good

OWNER

Andrew County

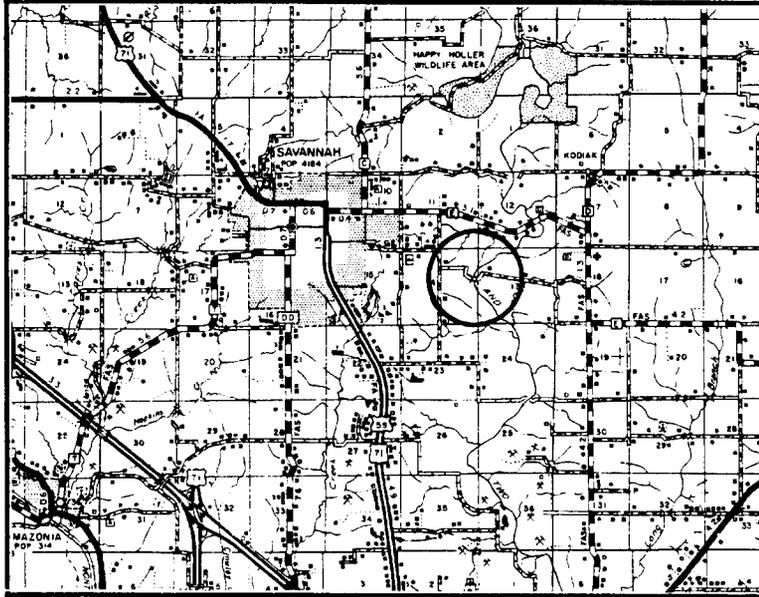
span number: 1
span length: 100.0'
total length: 204.0'
roadway wdt.: 15.5'

superstructure: steel, 6-panel, pin-connected Pratt through truss; 2 steel, 3-panel, pin-connected Pratt pony approach spans
substructure: ashlar sandstone abutments; concrete-filled steel cylinder piers
floor/decking: timber deck over steel and timber stringers
other features: **through truss:** upper chord and inclined end post: 2 channels with cover plate and lacing; lower chord: 2 punched rectangular eyebars; vertical: 2 channels with lacing (4 angles with continuous plate at end posts); diagonal: 2 punched rectangular eyebars; counter: square eyebar with turnbuckle; lateral bracing: round rod with threaded ends; strut: 2 angles; portal strut: lattice; floor beam: I-beam with plates, filed-bolted to vertical; guardrail: 2 angles; **pony trusses:** 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; counter: round rod with turnbuckles; lateral bracing: round rod with threaded ends; floor beam: I-beam with plates, field-bolted to vertical; guardrail: 2 angles

This three-span crossing of the 102 River is located some two miles east of Savannah, the Andrew County seat. A pin-connected Pratt through truss, the bridge is supported by concrete-filled cylinder piers and stone masonry abutments. On August 5, 1901, J.E. Schnitzius, the Andrew County Road and Bridge Commissioner, presented to the court several competitive proposals for a bridge to be built in Section 14, Township 59 North, Range 35 West. Low bidder at \$1469.00, J.H. Sparks was awarded the contract to furnish and erect the superstructure. Local contractor W.E. Scott was hired to build the stone substructure at \$4.75 per cubic yard. It was estimated that 150 cubic yards were needed, which brought the cost to about \$712.00. Completed that year, the Daily Bridge - as it is known locally - remains otherwise intact, as it continues to carry vehicular traffic in its rural setting. With a span length of 100 feet, a pinned Pratt configuration and a construction date of 1901, the Daily Bridge fits squarely within the mainstream of early county bridge construction in Missouri.

NAME(S) OF STRUCTURE

Daily 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. 337000.0; Andrew County Court Record, Book N: page 628 (5 August 1901), page 628 (7 August 1901)- located at the Andrew County Courthouse, Savannah MO; field inspection by Mitzi Rossillon, 7 September 1990.

INVENTORIED BY

Clayton B. Fraser

AFFILIATION

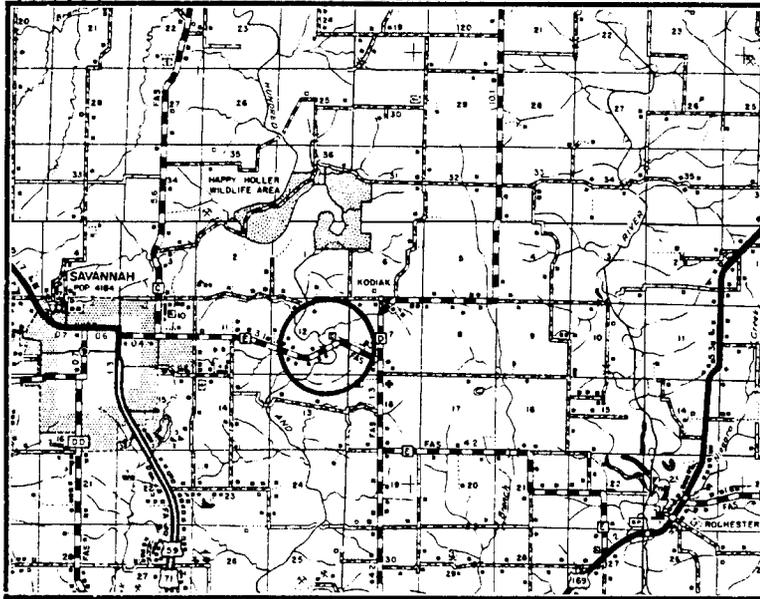
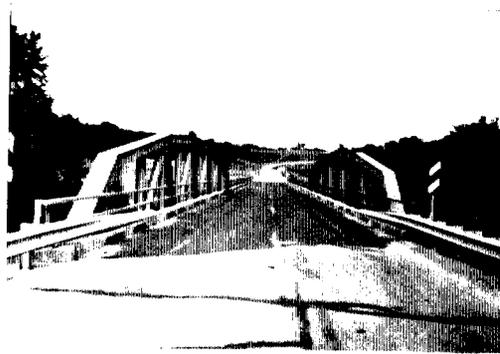
Fraserdesign, Loveland CO

DATE27 May 1993

NAME(S) OF STRUCTURE

102 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 No. L 202A; Primary System Bridge Files - located at the Missouri Highway and Transportation Department, Jefferson City, MO; field inspection by Mitzi Rossillon, 7 September 1990.

INVENTORIED BY

Clayton B. Fraser

AFFILIATION

Fraserdesign, Loveland CO

DATE

27 May 1993
