ATCHISON COUNTY

INCLUDED (cont.):

ATCH24	167000.5	Rock Creek Bridge	1- 70' c1910	pinned Pratt pony truss
*ATCH25	203001.9	Bridge	1- 60' c1925	riveted 2-angle Pratt pony truss
ATCH26	208000.4	Bridge	1- 40' c1910	pinned Pratt pony truss
ATCH27	223000.1	Rock Creek Bridge	1- 60' c1910	pinned Pratt pony truss
ATCH28	230001.3	Cow Branch Bridge	1- 50' c1910	pinned Pratt pony truss
ATCH29	231001.4	Cow Branch Bridge	1- 80' c1920	riveted Camelback pony truss
ATCH30	232000.8	Cow Branch Bridge	1- 80' c1920	riveted Camelback pony truss
*ATCH31	264001.0	Tarkio River Bridge	1-130' c1920	riveted 2-angle Parker through
*ATCH32	265000.3	Bridge	1- 65' c1925	riveted 2-angle Pratt pony truss
*ATCH33	275001.2	Deadman's Hollow Bridge	1- 60' c1925	riveted 2-angle Pratt pony truss
*ATCH34	276000.8	Deadman's Hollow Bridge	1-100' c1910	pinned Pratt through truss
*ATCH35	291000.3	Tarkio River Bridge	1- 70' c1925	riveted 2-angle Camelback pony
ATCH36	305001.7	Long Branch Bridge	1- 52' c1910	pinned Pratt pony truss
ATCH37	309001.2	Squaw Creek Bridge	1- 40' c1915	pinned Pratt pony truss
ATCH38	312001.3	Squaw Creek Bridge	1- 40' c1910	pinned Pratt pony truss
*ATCH39	343000.7	Little Tarkio Creek Bridge	1- 70' 1925	riveted 2-angle Camelback pony
*ATCH40	343001.9	Little Tarkio Creek Bridge	1- 60' c1925	riveted 2-angle Pratt pony truss
*ATCH41	357001.6	Little Tarkio Creek Bridge		(replaced)
*ATCH42	365000.6	Little Tarkio Creek Bridge	1- 50' c1925	riveted 2-angle Camelback pony
*ATCH43	371000.1	Tarkio Creek Bridge	1- 90' c1925	riveted 2-angle Camelback pony
*ATCH44	375000.2	Little Tarkio Creek Bridge	1-100' c1925	riveted 2-angle Camelback pony
ATCH45	378000.2	Little Tarkio Creek Bridge	1- 75' c1915	pinned Pratt pony truss
ATCH46	416000.4	Rock Creek Bridge	1- 70' c1910	pinned Pratt pony truss
ATCH47	438R00.1	Mill Creek Bridge	1- 80' 1928	riveted Camelback pony truss

ATCHISON COUNTY

INCLUDED (cont.):

*ATCH48	453000.4	Tarkio River Bridge	1- 90' 1920	**pinned Pratt pony truss**
*ATCH49	463002.5	Tarkio River Bridge	1- 90' **c1910**	**pinned Pratt through truss**
*ATCH50	481001.5	Little Tarkio Creek Bridge	2- 72' **c1910**	pinned Pratt pony truss
*ATCH51	481002.7	Little Tarkio Creek Bridge	1- 84' c1925	**riveted 2-angle Camelback pony**
*ATCH52	485000.8	Little Tarkio Creek Bridge	1-100' c1925	**riveted 2-angle Camelback pony**
*ATCH53	490000.9	Tarkio Creek Bridge	1- 70' c1925	**riveted 2-angle Camelback pony**
ATCH54	491000.8	Tarkio Creek Bridge	1- 50' **c1910**	pinned Pratt pony truss
*ATCH55	501000.8	Little Tarkio Creek Bridge	1-102' **c1910**	**pinned Pratt through truss**
*ATCH56	502000.7	Hickory Branch Bridge	1-100' c1925	**riveted 2-angle Camelback pony**
*ATCH57	512000.0	Minnesota Valley Ck. Bridge	1- 80' c1925	**riveted 2-angle Camelback pony**
*ATCH58	522000.9	Little Tarkio Creek Bridge	1-100' c1925	**riveted 2-angle Camelback pony**
*ATCH59	524000.5	East Little Tarkio Ck. Bridge	1-100' c1925	**riveted 2-angle Camelback pony**
*ATCH60	525000.2	Little Tarkio Creek Bridge	1- 80' c1925	**riveted 2-angle Camelback pony**
*ATCH61	526000.3	Little Tarkio Creek Bridge	1- 70' c1925	**riveted 2-angle Camelback pony**
*ATCH62	530000.5	Minnesota Valley Ck. Bridge	1- 60' c1925	**riveted 2-angle Pratt pony truss**
ATCH63	554000.4	Rock Creek Bridge		(replaced)

EXCLUDED:

Pratt pony truss
082000.7 116000.2 122000.9 227000.1 290001.0 308000.2 308002.0
346001.9 369000.8 375500.1 471000.6

Warren pony truss
J 177

Steel stringer
H 973R J 838 K 812 S 106 T 47 T 103 T 813
T 814 X 168 X 169 X 170 X 171 X 576 042000.2
065000.7 248000.8 284000.2 315000.2 343000.4 368000.0 417000.0
421000.0

ATCHISON COUNTY

EXCLUDED (cont.):

Steel girder
K 827A X 172 092000.6 282000.2 360001.3 438002.2 475000.5
519000.3 554000.4

Concrete girder
G 674R J 23 J 219 J 221 J 222 J 232

Concrete box culvert
G 354 G 374R H 545 H 545R J 839 K 826R

Timber stringer
177001.2

SUMMARY:

	Primary	Secondary	Urban	Other	Total
Included	3	56	0	0	59
Excluded	28	23	0	0	51
	31	79	0	0	110 structures

Big Tarkio River Bridge

ATCH01

GENERAL DATA

structure no.: G 355R
county: Atchison
city/town: 6.5 miles southeast of Rock Port
feature inters.: Big Tarkio River
cadastral grid: S3, T64N, R40W
highway route: U.S. Highway 59
highway distr.: 1
current owner: Missouri Highway and Transportation Department

STRUCTURAL DATA

superstructure: steel, 6-panel, rigid-connected Pratt through truss, skewed; steel, 7-panel, rigid-connected Pratt pony truss and steel stringer approach spans
substructure: concrete abutments, wingwalls and piers

span number: 1
span length: 140.0'
total length: 348.0'
roadway width: 22.0'
condition: good
alterations: minor repairs, 1985
floor/decking : concrete deck over steel stringers
other features: steel guardrails

HISTORICAL DATA

erection date: 1923
erection cost: $23,361.60
designer: Missouri State Highway Department
fabricator : unknown
contractor: W.R. Larsen

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number G 355R; Primary System Bridges Files located at the Missouri Highway and Transportation Department, Jefferson City MO.

sign. rating: 53
evaluation: NRHP possibly eligible (atypically configured example of MSHD truss bridge design)

inventoried by: Michelle Crow-Dolby 7 August 1993

Tarkio Creek Bridge

ATCH02

GENERAL DATA

structure no.: J 176
county: Atchison
city/town: 1.0 mile southeast of Tarkio
feature inters.: East Fork of Tarkio Creek
cadastral grid: S13/24, T65N, R39W
highway route: U.S. Highway 136
highway distr.: 1
current owner: Missouri Highway and Transportation Department

STRUCTURAL DATA

superstructure: steel, 5-panel, rigid-connected Warren pony truss, skewed
substructure: concrete abutments, wingwalls and piers

span number: 5
span length: 90.0'
total length: 465.0'
roadway width: 20.0'
condition: good
alterations: none
floor/decking : asphalt on 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: 4 angles with continuous plate; diagonal: 4 angles with continuous plate or 2 angles with batten plates; lateral bracing: 1 angle; guardrail: steel pipe; bridge plate: **Missouri / Highway Dept / Bridge / N° J. 176 / 1930**

HISTORICAL DATA

erection date: 1929-30
erection cost: $58,989.84
designer: Missouri State Highway Department
fabricator : Inland Steel Company, East Chicago IN
contractor: George W. Condon Company

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number J 176; Primary System Bridge Files, located at the Missouri Highway and Transportation Department, Jefferson City MO; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 61
evaluation: NRHP possibly eligible (typically configured MSHD standard truss, distinguished by its multiplicity of spans and skewed configuration)

inventoried by: Michelle Crow-Dolby 7 August 1993

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number L 98; files on primary system bridges located at the Missouri Highway and Transportation Department, Jefferson City MO; Nebraska Department of Roads and Irrigation, **Twenty-Third Biennial Report, 1939-1940**, p. 23; Ned L. Ashton, "Comments on Design and Construction of Various Mississippi River Bridges," lecture to the American Society of Civil Engineers, Tri-City Section, Davenport, 6 April 1944, copy at the Iowa State Historical Society, Des Moines IA; Henry G. Schlitt, "Missouri River Bridges, Report #2," 7 November 1945, located in Bridge Department Files, Nebraska Department of Roads; **Atchison County Mail** (newspaper): "To Get Bridge at Brownville" (26 August 1938), "Brownville Bridge to Become a Reality" (28 October 1938), 2 small articles (11 November 1938), "Brownville Bridge Bid $591,321.50" (18 November 1938), "PWA Engineer is Here for Bridge" (2 December 1938), "Weekly Bridge Pay Roll of $6,000" (16 June 1939), "Prepare for Steel Work on Bridge" (30 June 1939), "State Highway Dept - bids on road to bridge" (25 August 1939), "Steel on Brownville Bridge Going Up" (1 September 1939), "Here is how the Brownville Bridge Looms on the Skyline" (3 November 1939), "Brownville Bridge Open Next Week" (1 December 1939), "Brownville Bridge is accomplished Fact", and advertisement regarding dedication on page 7 (8 December 1939), " Huge Throng at Bridge Dedication" (15 December 1939); field inspection by Mark Hofstetler, 18 September 1990.

sign. rating: 73

evaluation: NRHP listed (outstanding large-scale truss bridge located at an important interstate crossing)

inventoried by: Jeffrey A. Hess and Michelle Crow-Dolby 7 August 1992

Brownville Bridge

ATCH03

GENERAL DATA

structure no.: L 98
county: Atchison
city/town: 7.2 miles west of Rock Port / Brownville, Nebraska
feature inters.: Missouri River / Burlington Northern Railroad
cadastral grid: S33, T65N, R42W
highway route: U.S. Highway 136
highway distr.: 1
current owner: Missouri Highway and Transportation Department / Nebraska Department of Roads

STRUCTURAL DATA

superstructure: steel, 12-panel, rigid-connected cantilevered Warren through truss; steel plate girder approach at east end; steel plate girder approach at west end
substructure: concrete abutments, wingwalls and 9 hammerhead spill-through piers

span number: 2
span length: 420.0'
total length: 1142.0'
roadway width: 22.5'
condition: fair
alterations: truss painted and concrete repairs made, 1990
floor/decking : asphalt over concrete deck
other features: upper chord and inclined end post: 2 channels with cover plate and ventilated bottom; lower chord: 2 channels with cover plate and ventilated bottom; vertical: wide flange; diagonal: 2 ventilated channels with continuous plate; lateral bracing: cross-braced I-beam; bottom lateral: cross-braced back-to-back angle sections; strut: I-beams; guardrail: steel balustrade; bridge plate: **Federal Emergency / Administration of Public Works / Franklin D. Roosevelt / President of the United States / Harold L. Ickes / Administrator of Public Works / Brownville Bridge / 1939 Constructed by / Atchison County Missouri / Under Direction of the County Court / General Contractors / C.F. Lytle Company, Substructure / Bethlehem Steel Company, Superstructure / G.H. Atkinson Paving Company, Embankments**

HISTORICAL DATA

erection date: 1939
erection cost: $708,878.54
designer: Ash, Howard, Needles and Tammen, Kansas City MO and New York City NY
fabricator : Bethlehem Steel Company, Bethlehem PA
contractor: Bethlehem Steel Company, Bethlehem PA (superstructure);
C.F. Lytle Company, Sioux City IA (substructure);
C.W. Atkinson Paving Company, St. Joseph MO (approaches)

High Creek Bridge

ATCH04

GENERAL DATA

structure no.: 025002.0
county: Atchison
city/town: 2.3 miles north of Watson
feature inters.: High Creek
cadastral grid: S23/26, T66N, R42W
highway route: County Road 25
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, 2-angle, rigid-connected Camelback pony truss, with steel stringer approaches at each end
substructure: steel pile bent piers and abutments with concrete back- and wingwalls

span number: 1
span length: 90.0'
total length: 134.0'
roadway width: 17.0'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
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 Number 025002.0; field inspection by Mark Hufstetler, 16 September 1990.

sign. rating: 34
evaluation: NRHP non-eligible (uncommon truss type, inadequately documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

High Creek Bridge

ATCH05

GENERAL DATA

structure no.: 029000.6
county: Atchison
city/town: 2.4 miles northeast of Watson
feature inters.: High Creek
cadastral grid: S24/25, T66N, R42W
highway route: County Road 29
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, rigid-connected 2-angle Camelback pony truss, with timber stringer approaches at each end
substructure: steel pile bent piers with timber back- and wingwalls

span number: 1
span length: 90.0'
total length: 125.0'
roadway width: 14.0'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
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 Number 029000.6; field inspection by Mark Hufstetler, 16 September 1990.

sign. rating: 34
evaluation: NRHP non-eligible (uncommon truss type, inadequately documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

West High Creek Bridge

ATCH06

GENERAL DATA

structure no.: 039001.3
county: Atchison
city/town: 4.7 miles southwest of Farme City
feature inters.: West High Creek
cadastral grid: S10/15, T66N, R41W
highway route: County Road 39
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 7-panel, pin-connected Pratt through truss
substructure: timber pile bent abutments and timber back- and wingwalls

span number: 1
span length: 105.0'
total length: 107.0'
roadway width: 14.0'
condition: poor
alterations: bridge closed
floor/decking : timber deck over timber stringers
other features: upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 punched rectangular eyebars; vertical: 2 channels with lacing; diagonal: 2 punched rectangular eyebars; counter: round rod with turnbuckle; lateral bracing: round rod with threaded ends; strut: I-beam (angle lattice at portal); floor beam: I-beam, U-bolted to lower chord pins

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 Number 039001.3; field inspection by Mark Hufstetler, 16 September 1990.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

McElroy Creek Bridge

ATCH07

GENERAL DATA

structure no.: 044000.2
county: Atchison
city/town: 4.0 miles northeast of Watson
feature inters.: McElroy Creek
cadastral grid: S20, T66N, R41W
highway route: County Road 44
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

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

span number: 1
span length: 80.0'
total length: 82.0'
roadway width: 16.0'
condition: fair
alterations: none
floor/decking: timber deck over steel stringers
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 Number 044000.2; field inspection by Mark Hufstetler, 16 September 1990.

sign. rating: 34
evaluation: NRHP non-eligible (uncommon truss type, inadequately documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

High Creek Bridge

ATCH08

GENERAL DATA

structure no.: 045001.0
county: Atchison
city/town: 3.0 miles northeast of Watson
feature inters.: High Creek
cadastral grid: S19/30, T66N, R41W
highway route: County Road 45
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, 2-angle, rigid-connected Camelback pony truss; 2-span, timber stringer approaches at each end
substructure: main span: steel pile bent piers; approach spans: timber pile bent piers, back- and wingwalls

span number: 1
span length: 90.0'
total length: 143.0'
roadway width: 14.0'
condition: fair
alterations: unknown
floor/decking : timber deck over steel stringers
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 Number 045001.0; field inspection by Mark Hufstetler, 16 September 1990.

sign. rating: 34
evaluation: NRHP non-eligible (uncommon truss type, inadequately documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Rose Branch Bridge

ATCH09

GENERAL DATA

structure no.: 056000.1
county: Atchison
city/town: 3.0 miles northwest of Rock Port
feature inters.: Rose Branch
cadastral grid: S17, T65N, R41W
highway route: County Road 56
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

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

span number: 1
span length: 40.0'
total length: 42.0'
roadway width: 13.5'
condition: fair
alterations: unknown
floor/decking: timber deck over steel stringers
other features: steel lattice 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 056000.1.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

High Creek Bridge

ATCH10

GENERAL DATA

structure no.: 068001.1
county: Atchison
city/town: 4.0 miles northwest of Farme City
feature inters.: High Creek
cadastral grid: S13/24, T66N, R41W
highway route: County Road 68
highway distr.: 1
current owner: Atchison 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
span length: 40.0'
total length: 79.0'
roadway width: 13.6'
condition: fair
alterations: unknown
floor/decking : timber deck over steel stringers
other features: steel lattice 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 068001.1.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

West High Creek Bridge

ATCH11

GENERAL DATA

structure no.: 071001.7
county: Atchison
city/town: 3.3 miles northwest of Farme City
feature inters.: West High Creek
cadastral grid: S1/36, T66/67N, R41W
highway route: County Road 71
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

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

span number: 1
span length: 40.0'
total length: 56.0'
roadway width: 13.6'
condition: fair
alterations: unknown
floor/decking : timber deck over steel stringers
other features: steel lattice guardrails

HISTORICAL DATA

erection date: 1911
erection cost: unknown
designer: unknown
fabricator : unknown
contractor: unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 071001.7; Atchison County Record, Book 11: page 462 (3 May 1911) - located at the Atchison County Courthouse, Rock Port MO.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

West Tarkio Creek Bridge

ATCH12

GENERAL DATA

structure no.: 091001.1
county: Atchison
city/town: 3.6 miles northwest of Westboro
feature inters.: West Tarkio Creek
cadastral grid: S6/31, T66/67N, R39W
highway route: County Road 91
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, rigid-connected Pratt pony truss
substructure: steel pile bent piers with timber wingwalls

span number: 1
span length: 100.0'
total length: 129.0'
roadway width: 13.6'
condition: fair
alterations: unknown
floor/decking: timber deck over steel stringers
other features: steel angle guardrails

HISTORICAL DATA

erection date: c1940
erection cost: unknown
designer: unknown
fabricator: unknown
contractor: unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 091001.1.

sign. rating: 26
evaluation: NRHP non-eligible (long-span example of common structural type)

inventoried by: Michelle Crow-Dolby 7 August 1993

West Tarkio Creek Bridge

ATCH13

GENERAL DATA

structure no.: 105000.6
county: Atchison
city/town: 7.7 miles north of Tarkio
feature inters.: West Tarkio Creek
cadastral grid: S1/12, T66N, R40W
highway route: County Road 105
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, rigid-connected Pratt pony truss
substructure: steel pile bent pier and abutments with timber wingwalls

span number: 1
span length: 100.0'
total length: 116.0'
roadway width: 13.6'
condition: fair
alterations: unknown
floor/decking : timber deck over steel stringers
other features: steel angle guardrails

HISTORICAL DATA

erection date: c1940
erection cost: unknown
designer: unknown
fabricator : unknown
contractor: unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 105000.6.

sign. rating: 26
evaluation: NRHP non-eligible (long-span example of common structural type)

inventoried by: Michelle Crow-Dolby 7 August 1993

Middle Tarkio Creek Bridge

ATCH14

GENERAL DATA

structure no.: 110000.4
county: Atchison
city/town: 0.9 mile southwest of Westboro
feature inters.: Middle Tarkio Creek
cadastral grid: S16/21, T66N, R39W
highway route: County Road 110
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

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

span number: 1
span length: 60.0'
total length: 106.0'
roadway width: 14.0'
condition: fair
alterations: unknown
floor/decking: timber deck over steel stringers
other features: timber 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 110000.4.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

West Tarkio Creek Bridge

ATCH16

GENERAL DATA

structure no.: 114000.3
county: Atchison
city/town: 5.8 miles north of Tarkio
feature inters.: West Tarkio Creek
cadastral grid: S13/24, T66N, R40W
highway route: County Road 114
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, rigid-connected Pratt pony truss, skewed
substructure: unknown

span number: 1
span length: 100.0'
total length: 152.0'
roadway width: 13.6'
condition: fair
alterations: unknown
floor/decking : timber deck over steel stringers
other features: steel angle guardrails

HISTORICAL DATA

erection date: c1940
erection cost: unknown
designer: unknown
fabricator : unknown
contractor: unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 114000.3.

sign. rating: 46
evaluation: NRHP non-eligible (long-span example of common structural type, somewhat noteworthy for its skewed configuration but inadequately documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Middle Tarkio Creek Bridge

ATCH17

GENERAL DATA

structure no.: 124000.5
county: Atchison
city/town: 3.0 miles northeast of Tarkio
feature inters.: Middle Tarkio Creek
cadastral grid: S1/31, T65/66N, R39W
highway route: County Road 124
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, 2-angle, rigid-connected Camelback pony truss, with timber stringer approach span at the west end
substructure: concrete abutments and piers with steel reinforcement; timber back- and wingwalls at the east end

span number: 1
span length: 90.0'
total length: 106.0'
roadway width: 14.0'
condition: fair
alterations: deck recently replaced
floor/decking : timber deck over steel stringers
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, field-bolted to verticals; 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 Number 124000.5; field inspection by Mark Hufstetler, 15 September 1990.

sign. rating: 34
evaluation: NRHP non-eligible (uncommon truss type, inadequately documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

West Tarkio Creek Bridge

ATCH18

GENERAL DATA

structure no.: 137000.3
county: Atchison
city/town: 2.0 miles north of Tarkio
feature inters.: West Tarkio Creek
cadastral grid: S2/11, T65N, R40W
highway route: County Road 137
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 5-panel, pin-connected Pratt through truss, with steel stringer approach span at each end
substructure: steel pile bent piers and abutments with timber back-and wingwalls

span number: 1
span length: 90.0'
total length: 122.0'
roadway width: 14.0'
condition: fair
alterations: diagonals reinforced; west approach span replaced, 1988
floor/decking : timber deck over steel stringers
other features: 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 eyerod with turnbuckle; lateral bracing: round rod with threaded ends; strut: 2 angles with continuous plate; guardrail: steel cable

HISTORICAL DATA

erection date: c1910
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 Number 137000.3; field inspection by Mark Hufstetler, 16 September 1990.

sign. rating: 21
evaluation: NRHP non-eligible (typical example of common structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Rock Creek Bridge

ATCH20

GENERAL DATA

structure no.: 145R01.1
county: Atchison
city/town: 6.2 miles northeast of Rock Port
feature inters.: Rock Creek
cadastral grid: S31/32, T66N, R40W
highway route: County Road 145
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 5-panel, 2-angle, rigid-connected Camelback pony truss, with steel stringer approach span at the north end
substructure: timber pile abutment - north; timber wingwalls; steel pile bent piers

span number: 1
span length: 70.0'
total length: 82.0'
roadway width: 17.6'
condition: fair
alterations: truss moved to this location
floor/decking : timber deck over steel stringers
other features: upper chord, inclined end post, lower chord, vertical, diagonal: 2 angles; floor beam: I-beam, field-bolted to verticals; guardrail: 2 angles

HISTORICAL DATA

erection date: unknown
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 Number 145R01.1; field inspection by Mark Hufstetler, 16 September 1990.

sign. rating: 29
evaluation: NRHP non-eligible (uncommon truss type, inadequately documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Rock Creek Bridge

ATCH21

GENERAL DATA

structure no.: 146000.7
county: Atchison
city/town: 5.8 miles northeast of Rock Port
feature inters.: Rock Creek
cadastral grid: S31, T66N, R40W
highway route: County Road 146
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

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

span number: 1
span length: 60.0'
total length: 61.0'
roadway width: 13.5'
condition: fair
alterations: bridge closed, 1990
floor/decking : timber deck over steel stringers
other features: steel lattice 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 146000.7.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

Rock Creek Bridge

ATCH22

GENERAL DATA

structure no.: 147000.2
county: Atchison
city/town: 5.2 miles northeast of Rock Port
feature intere.: Rock Creek
cadastral grid: S1/31, T65/66N, R41W
highway route: County Road 147
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 5-panel, pin-connected Pratt pony truss
substructure: steel pile bent pier and abutments with timber wingwalls

span number: 1
span length: 80.0'
total length: 96.0'
roadway width: 14.0'
condition: fair
alterations: unknown
floor/decking : timber deck over steel stringers
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 147000.2.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

Rock Creek Bridge

ATCH23

GENERAL DATA

structure no.: 148R00.2
county: Atchison
city/town: 5.0 miles northwest of Tarkio
feature inters.: Rock Creek
cadastral grid: S1/2, T65N, R41W
highway route: County Road 148
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 5-panel, rigid-connected Camelback pony truss
substructure: unknown

span number: 1
span length: 80.0'
total length: 80.0'
roadway width: 22.8'
condition: fair
alterations: truss moved to this location from Oklahoma
floor/decking : timber deck over steel stringers
other features: steel guardrails

HISTORICAL DATA

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

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 148R00.2.

sign. rating: 23
evaluation: NRHP non-eligible (uncommon Pratt subtype, moved from out of state)

inventoried by: Michelle Crow-Dolby 7 August 1993

Rock Creek Bridge

ATCH24

GENERAL DATA

structure no.: 167000.5
county: Atchison
city/town: 1.5 miles north of Rock Port
feature inters.: Rock Creek
cadastral grid: S22, T65N, R41W
highway route: County Road 167
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

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

span number: 1
span length: 70.0'
total length: 90.0'
roadway width: 14.0'
condition: fair
alterations: unknown
floor/decking : timber deck over steel stringers
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 167000.5.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

Bridge

ATCH25

GENERAL DATA

structure no.:	203001.9	city/town:	1.4 miles southeast of Langdon
county:	Atchison	feature inters.:	drainage ditch
		cadastral grid:	S19/30, T64N, R41W
		highway route:	County Road 203
		highway distr.:	1
		current owner:	Atchison County

STRUCTURAL DATA

superstructure: steel, 4-panel, 2-angle, rigid-connected Pratt pony truss, with timber stringer approach span at east end

substructure: timber pile abutments; timber pile bent pier at east end

span number:	1	condition:	fair
span length:	60.0'	alterations:	none
total length:	80.0'	floor/decking :	timber deck over steel stringers
roadway width:	13.6'	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, field-bolted to verticals; guardrail: 2 angles

HISTORICAL DATA

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

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 203001.9; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 32

evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Bridge

ATCH26

GENERAL DATA

structure no.:	208000.4	city/town:	0.5 mile southwest of Rock Port
county:	Atchison	feature inters.:	drainage ditch
		cadastral grid:	S19, T64N, R41W
		highway route:	County Road 208
		highway distr.:	1
		current owner:	Atchison 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:	none
total length:	89.0'	floor/decking:	timber deck over steel stringers
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 Number 208000.4.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

Rock Creek Bridge

ATCH27

GENERAL DATA

structure no.: 223000.1
county: Atchison
city/town: 2.5 miles south of Rock Port
feature inters.: Rock Creek
cadastral grid: S9, T64N, R41W
highway route: County Road 223
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

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

span number: 1
span length: 60.0'
total length: 118.0'
roadway width: 13.0'
condition: fair
alterations: unknown
floor/decking : timber deck over steel stringers
other features: steel lattice 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 223000.1.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

Cow Branch Bridge

ATCH28

GENERAL DATA

structure no.: 230001.3
county: Atchison
city/town: 4.1 miles east of Rock Port
feature inters.: Cow Branch
cadastral grid: S29/32, T65N, R40W
highway route: County Road 230
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

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

span number: 1
span length: 50.0'
total length: 98.0'
roadway width: 13.6'
condition: fair
alterations: approach span replaced, 1988
floor/decking : timber deck over steel stringers
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 230001.3.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

Cow Branch Bridge

ATCH29

GENERAL DATA

structure no.: 231001.4
county: Atchison
city/town: 4.8 miles east of Rock Port
feature inters.: Cow Branch
cadastral grid: S32/33, T65N, R40W
highway route: County Road 231
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

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

span number: 1
span length: 80.0'
total length: 80.0'
roadway width: 13.6'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
other features: steel angle guardrails

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 231001.4.

sign. rating: 38
evaluation: NRHP non-eligible (poorly documented example of uncommon structural type)

inventoried by: Michelle Crow-Dolby 7 August 1993

Cow Branch Bridge

ATCH30

GENERAL DATA

structure no.: 232000.8
county: Atchison
city/town: 4.5 miles northwest of Fairfax
feature inters.: Cow Branch
cadastral grid: S33, T65N, R40W
highway route: County Road 232
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 5-panel, rigid-connected Camelback pony truss
substructure: steel pile bent piers with timber wingwalls

span number: 1
span length: 80.0'
total length: 103.0'
roadway width: 13.6'
condition: fair
alterations: unknown
floor/decking : timber deck over steel stringers
other features: steel angle guardrails

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 232000.8.

sign. rating: 38
evaluation: NRHP non-eligible (poorly documented example of uncommon structural type)

inventoried by: Michelle Crow-Dolby 7 August 1993

Tarkio River Bridge

ATCH31

GENERAL DATA

structure no.: 264001.0
county: Atchison
city/town: 2.2 miles northeast of Tarkio
feature inters.: Tarkio River
cadastral grid: S7/18, T65N, R39W
highway route: County Road 264
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 8-panel, 2-angle, rigid-connected Parker through truss, with timber stringer approach spans at each end
substructure: timber pile abutments and wingwalls; steel pile bent piers

span number: 1
span length: 130.0'
total length: 194.0'
roadway width: 13.6'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
other features: upper chord and inclined end post: 2 angles with cover plate; lower chord, vertical, diagonal: 2 angles; lateral bracing: round rod with threaded ends; strut: 2 angles; floor beam: I-beam, field-bolted to verticals; guardrail: 2 angles

HISTORICAL DATA

erection date: c1920
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 Number 264001.0; field inspection by Mark Hufstetler, 16 September 1990.

sign. rating: 45
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Bridge

ATCH32

GENERAL DATA

structure no.: 265000.3
county: Atchison
city/town: 3.0 miles northeast of Tarkio
feature intere.: branch of Tarkio River
cadastral grid: S8/17, T65N, R39W
highway route: County Road 265
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

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

span number: 1
span length: 65.0'
total length: 66.0'
roadway width: 13.6'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
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, field-bolted to verticals; guard-rail: 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 Number 265000.3; field inspection by Mark Hufstetler, 15 September 1990.

sign. rating: 41
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Deadman's Hollow Bridge

ATCH33

GENERAL DATA

structure no.: 275001.2
county: Atchison
city/town: 6.0 miles northeast of Tarkio
feature inters.: Deadman's Hollow
cadastral grid: S26/27, T66N, R39W
highway route: County Road 275
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 4-panel, 2-angle, rigid-connected Pratt pony truss
substructure: steel pile bent piers with concrete/timber back- and wingwalls

span number: 1
span length: 60.0'
total length: 60.0'
roadway width: 13.6'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
other features: upper chord, inclined end post, lower chord, vertical: 2 angles; diagonal: 1 angle; floor beam: I-beam, field-bolted to verticals; guard-rail: 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 Number 275001.2; field inspection by Mark Hufstetler, 15 September 1990.

sign. rating: 36
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Deadman's Hollow Bridge

ATCH34

GENERAL DATA

structure no.: 276000.8
county: Atchison
city/town: 2.0 miles southeast of Westboro
feature inters.: Deadman's Hollow
cadastral grid: S22/27, T66N, R39W
highway route: County Road 276
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, pin-connected Pratt through truss
substructure: timber pile abutments and wingwalls

span number: 1
span length: 100.0'
total length: 101.0'
roadway width: 13.6'
condition: fair
alterations: none
floor/decking : timber deck over timber stringers
other features: upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 punched rectangular eyebars; vertical: 2 channels with lacing; diagonal: 2 punched rectangular eyebars; counter: round eyerod with turnbuckle; lateral bracing: round rod with threaded ends; strut: 4 angles with lacing; guardrail: 2 angles

HISTORICAL DATA

erection date: c1910
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 Number 276000.8; field inspection by Mark Hufstetler, 15 September 1990.

sign. rating: 27
evaluation: NRHP non-eligible (typically configured, inadequately documented example of common structural type)

inventoried by: Michelle Crow-Dolby 7 August 1993

Tarkio River Bridge

ATCH35

GENERAL DATA

structure no.: 291000.3
county: Atchison
city/town: 5.3 miles northeast of Westboro
feature inters.: branch of Tarkio River
cadastral grid: S32/33, T67N, R38W
highway route: County Road 291
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 5-panel, 2-angle, rigid-connected Camelback pony truss, with steel stringer approach span at the south end
substructure: steel pile bent abutments with timber wingwalls at north end; timber pile abutment at south end

span number: 1
span length: 70.0'
total length: 102.0'
roadway width: 13.6'
condition: fair
alterations: substructure partially replaced
floor/decking: timber deck over steel stringers
other features: upper chord, inclined end post, lower chord, vertical, diagonal, guardrail: 2 angles; lateral bracing: round rod with threaded ends; floor beam: I-beam, field-bolted to verticals; guard-rail: 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 Number 291000.3; field inspection by Mark Hufstetler, 15 September 1990.

sign. rating: 32
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Long Branch Bridge

ATCH36

GENERAL DATA

structure no.: 305001.7
county: Atchison
city/town: 6.0 miles southeast of Westboro
feature inters.: Long Branch
cadastral grid: S28/29, T66N, R38W
highway route: County Road 305
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

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

span number: 1
span length: 52.0'
total length: 71.0'
roadway width: 13.6'
condition: fair
alterations: unknown
floor/decking: timber deck over steel stringers
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 305001.7.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

Squaw Creek Bridge

ATCH37

GENERAL DATA

structure no.: 309001.2
county: Atchison
city/town: 4.3 miles southeast of Westboro
feature inters.: Squaw Creek
cadastral grid: S31/36, T66N, R38/39W
highway route: County Road 309
highway distr.: 1
current owner: Atchison 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
span length: 40.0'
total length: 106.0'
roadway width: 13.6'
condition: fair
alterations: unknown
floor/decking : timber deck over steel stringers
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 Number 309001.2.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

Squaw Creek Bridge

ATCH38

GENERAL DATA

structure no.: 312001.3
county: Atchison
city/town: 3.4 miles southeast of Westboro
feature inters.: Squaw Creek
cadastral grid: S25/26, T66N, R39W
highway route: County Road 312
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

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

span number: 1
span length: 40.0'
total length: 42.0'
roadway width: 13.6'
condition: fair
alterations: unknown
floor/decking : timber deck over steel stringers
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 312001.3.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

Little Tarkio Creek Bridge

ATCH39

GENERAL DATA

structure no.: 343000.7
county: Atchison
city/town: 6.3 miles southeast of Tarkio
feature inters.: Little Tarkio Creek
cadastral grid: S23/26, T65N, R39W
highway route: County Road 343
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 5-panel, 2-angle, rigid-connected Camelback pony truss, with timber stringer approach at west end
substructure: timber pile abutments and wingwalls; steel pile bent pier

span number: 1
span length: 70.0'
total length: 86.0'
roadway width: 15.6'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
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 : unknown
contractor: Inland Steel Company, East Chicago IN

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 343000.7; field inspection by Mark Hufstetler, 16 September 1990.

sign. rating: 32
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Little Tarkio Creek Bridge

ATCH40

GENERAL DATA

structure no.: 343001.9
county: Atchison
city/town: 8.0 miles southeast of Tarkio
feature intere.: Little Tarkio Creek
cadastral grid: S26/26, T65N, R39W
highway route: County Road 343
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

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

span number: 1
span length: 60.0'
total length: 62.0'
roadway width: 13.6'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
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, field-bolted to verticals; guard-rail: 2 angles

HISTORICAL DATA

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

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 343001.9; field inspection by Mark Hufstetler, 16 September 1990.

sign. rating: 28
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Little Tarkio Creek Bridge

ATCH42

GENERAL DATA

structure no.: 365000.6
county: Atchison
city/town: 5.6 miles northeast of Fairfax
feature inters.: Little Tarkio Creek
cadastral grid: S4/9, T64N, R39W
highway route: County Road 365
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, 2-angle, rigid-connected Camelback pony truss
substructure: steel pile bent piers and abutments with concrete back- and wingwalls

span number: 1
span length: 50.0'
total length: 91.0'
roadway width: 13.6'
condition: fair
alterations: substructure partially replaced
floor/decking : timber deck over steel stringers
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 : unknown
contractor: Inland Steel Company, East Chicago IN

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 365000.6; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 29
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Tarkio Creek Bridge

ATCH43

GENERAL DATA

structure no.: 371000.1
county: Atchison
city/town: 4.0 miles southeast of Tarkio
feature inters.: branch of Tarkio Creek
cadastral grid: S5/6, T64N, R39W
highway route: County Road 371
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, 2-angle, rigid-connected Camelback pony truss
substructure: steel pile bent abutments with timber wingwalls

span number: 1
span length: 90.0'
total length: 91.0'
roadway width: 13.6'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
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 : unknown
contractor: Inland Steel Company, East Chicago IN

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 371000.1; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 34
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Little Tarkio Creek Bridge

ATCH44

GENERAL DATA

structure no.: 375000.2
county: Atchison
city/town: 6.8 miles southeast of Tarkio
feature inters.: Little Tarkio Creek
cadastral grid: S17/20, T64N, R39W
highway route: County Road 375
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, 2-angle, rigid-connected Camelback pony truss with timber stringer approach span at east end
substructure: steel pile bent piers; timber back- and wingwalls at west end; concrete wingwalls at east end

span number: 1
span length: 100.0'
total length: 121.0'
roadway width: 13.6'
condition: fair
alterations: substructure and approaches replaced
floor/decking : timber deck over steel stringers
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 Number 375000.2; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 30
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Little Tarkio Creek Bridge

ATCH45

GENERAL DATA

structure no.:	378000.2	city/town:	2.5 miles northeast of Fairfax
county:	Atchison	feature inters.:	branch of Little Tarkio Creek
		cadastral grid:	S18/19, T64N, R39W
		highway route:	County Road 378
		highway distr.:	1
		current owner:	Atchison County

STRUCTURAL DATA

superstructure: steel, 5-panel, pin-connected Pratt pony truss
substructure: steel pile bent abutments with timber wingwalls

span number:	1	condition:	fair
span length:	75.0'	alterations:	unknown
total length:	75.0'	floor/decking :	timber deck over steel stringers
roadway width:	13.6'	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 Number 378000.2.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

Bridge

ATCH46

GENERAL DATA

structure no.: 416000.4
county: Atchison
city/town: 4.5 miles southwest of Rock Port
feature inters.: Rock Creek Drainage Ditch
cadastral grid: S20/21, T64N, R41W
highway route: County Road 416
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 5-panel, pin-connected Pratt pony truss
substructure: steel pile bent piers and abutments with timber wingwalls

span number: 1
span length: 70.0'
total length: 103.0'
roadway width: 13.5'
condition: fair
alterations: deck and stringers replaced, 1981
floor/decking : timber deck over steel stringers
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 416000.4.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

Mill Creek Bridge

ATCH47

GENERAL DATA

structure no.: 438R00.1
county: Atchison
city/town: 3.8 miles northwest of Milton
feature inters.: Mill Creek
cadastral grid: S2, T63N, R41W
highway route: County Road 438
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 5-panel, rigid-connected Camelback pony truss
substructure: unknown

span number: 1
span length: 80.0'
total length: 80.0'
roadway width: 22.5'
condition: fair
alterations: bridge moved to this site from Oklahoma, 1981
floor/decking : unknown
other features: unknown

HISTORICAL DATA

erection date: 1928
erection cost: unknown
designer: unknown
fabricator : unknown
contractor: unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 438R00.1.

sign. rating: 24
evaluation: NRHP non-eligible (uncommon structural type, moved from out of state)

inventoried by: Michelle Crow-Dolby 7 August 1993

Tarkio River Bridge

ATCH48

GENERAL DATA

structure no.: 453000.4
county: Atchison
city/town: 0.5 mile east of Milton
feature inters.: Tarkio River
cadastral grid: S9/10, T63N, R40W
highway route: County Road 453
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 5-panel, pin-connected Pratt pony truss, with timber stringer approach spans
substructure: timber pile abutments and wingwalls; steel pile bent piers

span number: 1
span length: 90.0'
total length: 128.0'
roadway width: 18.0'
condition: fair
alterations: none
floor/decking : timber deck over timber stringers
other features: upper chord and inclined end post: 2 channels with cover plate and lacing; lower chord: 2 punched rectangular eyebars; vertical: 4 angles with batten plates; diagonal: 2 punched rectangular eyebars; counter: 2 square eyebars with turnbuckles; lateral bracing: round rod with threaded ends; floor beam: I-beam, field-bolted to verticals

HISTORICAL DATA

erection date: c1915
erection cost: unknown
designer: unknown
fabricator : Bethlehem Steel Company, Bethlehem PA; Inland Steel Company, East Chicago IN
contractor: unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 453000.4; Atchison County Court Record, Book 13: page 192 (3 May 1920) - located at the Atchison County Courthouse, Rock Port MO; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 32
evaluation: NRHP non-eligible (undistinguished structure, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Tarkio River Bridge

ATCH49

GENERAL DATA

structure no.: 463002.5
county: Atchison
city/town: 1.4 miles northeast of Milton
feature inters.: branch of Tarkio River
cadastral grid: S3, T63N, R40W
highway route: County Road 463
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, pin-connected Pratt through truss, with timber stringer approach span at south end
substructure: timber pile abutments with timber back- and wingwalls; steel pile bent pier

span number: 1
span length: 90.0'
total length: 106.0'
roadway width: 13.6'
condition: fair
alterations: none
floor/decking : timber deck over timber stringers
other features: 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 eyerod with turnbuckle; lateral bracing: round rod with threaded ends; strut: 2 angles with continuous plate; floor beam: I-beam, field-bolted to verticals; guardrail: steel lattice

HISTORICAL DATA

erection date: c1910
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 463002.5; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 27
evaluation: NRHP non-eligible (typical example of common structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Little Tarkio Creek Bridge

ATCH50

GENERAL DATA

structure no.: 481001.5
county: Atchison
city/town: 4.3 miles southeast of Milton
feature inters.: Little Tarkio Creek
cadastral grid: S7/18, T63N, R39W
highway route: County Road 481
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 4-panel, pin-connected Pratt pony truss; steel, 3-panel, pin-connected Pratt pony truss
substructure: steel pile bent piers with timber wingwalls

span number: 2
span length: 72.0'
total length: unknown
roadway width: 13.6'
condition: fair
alterations: unknown
floor/decking: timber deck over steel stringers
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 481001.5.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

Little Tarkio Creek Bridge

ATCH51

GENERAL DATA

structure no.: 481002.7
county: Atchison
city/town: 4.5 miles southeast of Milton
feature inters.: East Fork of Little Tarkio Creek
cadastral grid: S18/19, T63N, R39W
highway route: County Road 481
highway distr.: 1
current owner: Atchison County / Holt County

STRUCTURAL DATA

superstructure: steel, 6-panel, 2-angle, rigid-connected Camelback pony truss, skewed, with steel stringer approach spans at each end
substructure: steel pile bent abutments with timber wingwalls

span number: 1
span length: 84.0'
total length: 84.0'
roadway width: 13.6'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
other features: upper chord, inclined end post, lower chord, vertical, diagonal: 2 angles; lateral bracing: round rod with threaded ends; guardrail: main span: steel cable, approach spans: 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 Number 481002.7; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 36
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Little Tarkio Creek Bridge

ATCH52

GENERAL DATA

structure no.: 485000.8
county: Atchison
city/town: 3.6 southwest of Daleview
feature inters.: East Fork of Little Tarkio Creek
cadastral grid: S9/10, T63N, R39W
highway route: County Road 485
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, 2-angle, rigid-connected Camelback pony truss with timber stringer approach span at the north end
substructure: timber abutment and wingwalls - south; steel pile bent piers

span number: 1
span length: 100.0'
total length: 124.0'
roadway width: 13.6'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
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

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 Number 485000.8; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 41
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Tarkio Creek Bridge

ATCH53

GENERAL DATA

structure no.: 490000.9
county: Atchison
city/town: 4.5 miles southeast of Fairfax
feature intera.: branch of Tarkio Creek
cadastral grid: S29/32, T64N, R39W
highway route: County Road 490
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 5-panel, 2-angle, rigid-connected Camelback pony truss with timber stringer approach span at the west end
substructure: timber pile bent abutments and wingwalls; steel pile bent pier

span number: 1
span length: 70.0'
total length: 95.0'
roadway width: 13.5'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
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 Number 490000.9; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 34
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Tarkio Creek Bridge

ATCH54

GENERAL DATA

structure no.: 491000.8
county: Atchison
city/town: 4.2 miles northwest of Daleview
feature inters.: branch of Tarkio Creek
cadastral grid: S28/29, T64N, R39W
highway route: County Road 491
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

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

span number: 1
span length: 50.0'
total length: 69.0'
roadway width: 13.6'
condition: fair
alterations: bridge closed, 1987
floor/decking : timber deck over steel stringers
other features: steel lattice 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 491000.8.

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

inventoried by: Michelle Crow-Dolby 7 August 1993

Little Tarkio Creek Bridge

ATCH55

GENERAL DATA

structure no.: 501000.8
county: Atchison
city/town: 1.6 miles northwest of Daleview
feature inters.: East Fork of Little Tarkio Creek
cadastral grid: S26/35, T64N, R39W
highway route: County Road 501
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

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

span number: 1
span length: 102.0'
total length: 104.0'
roadway width: 15.6'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
other features: 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 eyerod with turnbuckle; lateral bracing: round rod with threaded ends; floor beams: I-beam, field-bolted to verticals; strut: 2 angles with continuous plate; guardrail: 2 angles

HISTORICAL DATA

erection date: c1910
erection cost: unknown
designer: unknown
fabricator : Cambria Steel Company, Pittsburgh PA; Illinois Steel Company, Chicago IL
contractor: unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 501000.8; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 27
evaluation: NRHP non-eligible (typical example of common structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Hickory Branch Bridge

ATCH56

GENERAL DATA

structure no.: 502000.7
county: Atchison
city/town: 1.0 mile southwest of Dotham
feature inters.: Hickory Branch
cadastral grid: S25, T64N, R39W
highway route: County Road 502
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, 2-angle, rigid-connected Camelback pony truss, with timber stringer approach span at each end
substructure: timber pile abutments and wingwalls; steel pile bent piers

span number: 1
span length: 100.0'
total length: 139.0'
roadway width: 13.5'
condition: fair
alterations: none
floor/decking: timber deck over steel stringers
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 Number 502000.7; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 41
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Minnesota Valley Creek Bridge

ATCH57

GENERAL DATA

structure no.: 512000.0
county: Atchison
city/town: 2.3 miles southeast of Daleview
feature intera.: Minnesota Valley Creek
cadastral grid: S4/9, T63N, R38W
highway route: County Road 512
highway distr.: 1
current owner: Atchison 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
span length: 80.0'
total length: 82.0'
roadway width: 15.6'
condition: fair
alterations: diagonals spliced with steel plates
floor/decking : timber deck over steel stringers
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 Number 512000.0; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 36
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Little Tarkio Creek Bridge

ATCH58

GENERAL DATA

structure no.: 522000.9
county: Atchison
city/town: 1.0 mile south of Daleview
feature inters.: East Fork of Little Tarkio Creek
cadastral grid: S1/12, T63N, R39W
highway route: County Road 522
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, 2-angle, rigid-connected Camelback pony truss
substructure: steel pile bent abutments with timber back- and wingwalls

span number: 1
span length: 100.0'
total length: 103.0'
roadway width: 13.6'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
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 vertical; 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 Number 522000.9; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 41
evaluation: NRHP determined non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

East Little Tarkio Creek Bridge

ATCH59

GENERAL DATA

structure no.: 524000.5
county: Atchison
city/town: 1.5 miles west of Daleview
feature inters.: East Fork of Little Tarkio Creek
cadastral grid: S2/35, T63/64N, R39W
highway route: County Road 524
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 6-panel, 2-angle, rigid-connected Camelback pony truss
substructure: steel pile bent abutments with timber back- and wingwalls

span number: 1
span length: 100.0'
total length: 102.0'
roadway width: 13.6'
condition: fair
alterations: none
floor/decking : timber deck over steel stringers
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 Number 524000.5; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 41
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Little Tarkio Creek Bridge

ATCH60

GENERAL DATA

structure no.: 525000.2
county: Atchison
city/town: 2.4 miles southwest of Daleview
feature intera.: East Fork of Little Tarkio Creek
cadastral grid: S11, T63N, R39W
highway route: County Road 525
highway distr.: 1
current owner: Atchison County

STRUCTURAL DATA

superstructure: steel, 5-panel, 2-angle, rigid-connected Camelback pony truss
substructure: steel pile bent abutments; timber back- and wingwalls at the south end

span number: 1
span length: 80.0'
total length: 83.0'
roadway width: 15.6'
condition: fair
alterations: none
floor/decking: timber deck over steel stringers
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, Chicago IN
contractor: unknown

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 525000.2; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 36
evaluation: NRHP determined non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

Minnesota Valley Creek Bridge

ATCH62

GENERAL DATA

structure no.: 530000.5
county: Atchison / Holt
city/town: 3.0 miles southeast of Daleview
feature inters.: Minnesota Valley Creek
cadastral grid: S18/19, T63N, R38W
highway route: County Road 530
highway distr.: 1
current owner: Atchison County / Holt County

STRUCTURAL DATA

superstructure: steel, 4-panel, 2-angle, rigid-connected Pratt pony truss, with timber stringer approach spans at each end
substructure: timber pile abutments with back- and wingwalls; steel pile bent piers

span number: 1
span length: 60.0'
total length: 89.0'
roadway width: 13.8'
condition: fair
alterations: none
floor/decking: timber deck over steel stringers
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 Number 530000.5; field inspection by Mark Hufstetler, 17 September 1990.

sign. rating: 34
evaluation: NRHP non-eligible (uncommon structural type, poorly documented)

inventoried by: Michelle Crow-Dolby 7 August 1993

HAER INVENTORY
Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE
Big Tarkio River Bridge
MHTD: G 355R

ATCH01

DATE(S) OF CONSTRUCTION
1923

LOCATION
U.S. Highway 59 over Big Tarkio River; S3, T64N, R40W
6.5 miles southeast of Rock Port; Atchison County, Missouri

USE (ORIGINAL / CURRENT)
highway bridge / highway bridge

RATING NRHP possibly eligible (score: 53)

CONDITION
good

OWNER
Missouri Highway and Transportation Department

span number: 1
span length: 140.0'
total length: 348.0'
roadway wdt.: 22.0'

superstructure: steel, 6-panel, rigid-connected Pratt through truss, skewed; steel, 7-panel, rigid-connected Pratt pony truss and steel stringer approach spans
substructure: concrete abutments, wingwalls and piers
floor/decking: concrete deck over steel stringers
other features: steel guardrails

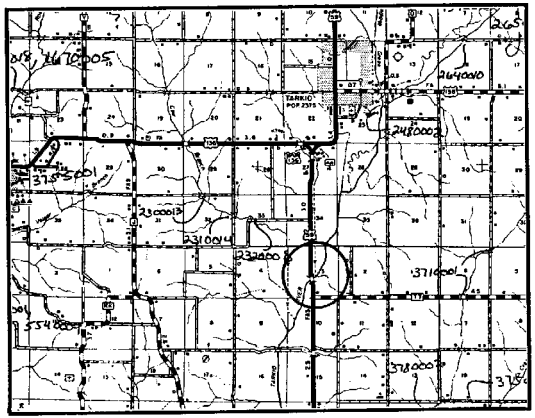
The Big Tarkio River Bridge is located on U.S. Highway 59 southeast of Rock Port. This medium-span steel truss features a 140-foot-span riveted Pratt through truss, supported on a skew by concrete piers. The structure was designed late in 1922 by engineers for the Missouri State Highway Commission and built in 1923 by W.R. Larsen for a total cost of about $23,000. Since its completion, the Big Tarkio River Bridge has carried vehicular traffic in essentially unaltered condition.

The Missouri State Highway Department used riveted Pratt configurations for its through trusses almost from the time the agency developed its first bridge standards in the late 1910s. Structurally straightforward and versatile, these ubiquitous trusses were erected by the hundreds throughout the state in span lengths ranging from 100 to 200 feet. The Big Tarkio River Bridge is distinguished among these for its relatively early construction and its skewed configuration.

NAME(S) OF STRUCTURE

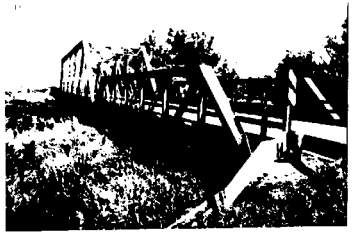
Big Tarkio River Bridge

PHOTOS AND SKETCH MAP OF LOCATION



LOCATION MAP

TAKEN FROM MISSOURI HIGHWAY AND TRANSPORTATION DEPARTMENT GENERAL HIGHWAY MAP



SOURCES

Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number G 355R; Primary System Bridges Files located at the Missouri Highway and Transportation Department, Jefferson City MO.

INVENTORIED BY	AFFILIATION	DATE
Clayton B. Fraser	Fraserdesign, Loveland CO	15 January 1994

HAER INVENTORY
Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE
Tarkio Creek Bridge
MHTD: J 176

ATCH02

DATE(S) OF CONSTRUCTION
1929-30

LOCATION
U.S. Highway 136 over East Fork of Tarkio Creek; S13/24, T65N, R39W
1.0 mile southeast of Tarkio; Atchison County, Missouri

USE (ORIGINAL / CURRENT)
highway bridge / highway bridge

RATING NRHP possibly eligible (score: 61)

CONDITION
good

OWNER
Missouri Highway and Transportation Department

span number: 5
span length: 90.0'
total length: 465.0'
roadway wdt.: 20.0'

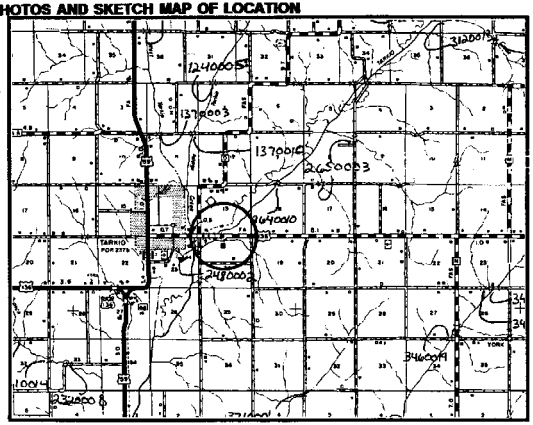
superstructure: steel, 5-panel, rigid-connected Warren pony truss, skewed
substructure: concrete abutments, wingwalls and piers
floor/decking: asphalt on concrete over steel stringers
other features: upper chord and inclined end post: 2 channels with cover plate and lacing; lower chord: 2 channels with batten plates; vertical: 4 angles with continuous plate; diagonal: 4 angles with continuous plate or 2 angles with batten plates; lateral bracing: 1 angle; guardrail: steel pipe; bridge plate: **Missouri / Highway Dept / Bridge / N° J. 176 / 1930**

Located a mile southeast of Tarkio, this five-span pony truss carries U.S. Highway 136 over Tarkio Creek. The channel spans are rigid-connected Warren pony trusses, carried on a skew by a concrete substructure. The Tarkio Creek Bridge was designed in the summer of 1929 by engineers for the Missouri State Highway Department. On September 17th a contract to build the bridge was awarded to the George W. Condon Company. Completed the following year, the Tarkio Creek Bridge has since 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. The Tarkio Creek Bridge is distinguished among Missouri's Warren trusses as among the few skewed examples of this mainstay structural type.

NAME(S) OF STRUCTURE
Tarkio 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 J 176; Primary System Bridge Files, located at the Missouri Highway and Transportation Department, Jefferson City MO; field inspection by Mark Hufstetler, 17 September 1990.

INVENTORIED BY	AFFILIATION	DATE
Clayton B. Fraser	Fraserdesign, Loveland CO	15 January 1994

HAER INVENTORY
Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE
Brownville Bridge (Missouri River Bridge) ATCH03
MHTD: L 98

DATE(S) OF CONSTRUCTION
1939

LOCATION
U.S. Highway 136 over Missouri River/Burlington Northern RR; S33, T65N, R42W
7.2 miles west of Rock Port / Brownville, Nebraska; Atchison County, Missouri

USE (ORIGINAL / CURRENT)
highway toll bridge / highway bridge

RATING NRHP listed (score: 73)

CONDITION
fair

OWNER
Missouri Highway and Transportation Department / Nebraska Department of Roads

span number: 2
span length: 420.0'
total length: 1142.0'
roadway wdt.: 22.5'

superstructure: steel, 12-panel, rigid-connected cantilevered Warren through truss; steel plate girder approach at east end; steel plate girder approach at west end
substructure: concrete abutments, wingwalls and 9 hammerhead spill-through piers
floor/decking: asphalt over concrete deck
other features: upper chord and inclined end post: 2 channels with cover plate and ventilated bottom; lower chord: 2 channels with cover plate and ventilated bottom; vertical: wide flange; diagonal: 2 ventilated channels with continuous plate; lateral bracing: cross-braced I-beam; bottom lateral: cross-braced back-to-back angle sections; strut: I-beams; guardrail: steel balustrade; bridge plate: **Federal Emergency / Administration of Public Works / Franklin D. Roosevelt / President of the United States / Harold L. Ickes / Administrator of Public Works / Brownville Bridge / 1939 Constructed by / Atchison County Missouri / Under Direction of the County Court / General Contractors / C.F. Lytle Company, Substructure / Bethlehem Steel Company, Superstructure / G.H. Atkinson Paving Company, Embankments**

The Atchison County Board of Supervisors appears to have initiated the planning for this bridge over the Missouri River in early 1938, by securing the prestigious firm, Ash, Howard, Needles and Tammen (AHNT) of Kansas City and New York City, for design construction supervision. AHNT modeled the proposed structure on another two-span, continuous truss bridge they had built over the Missouri River at South Omaha in 1934-35, changing details and construction methods of the previous design to improve aesthetics and reduce cost. Whereas, according to one engineer, a "hodge podge of deck trusses, girder spans and trestles" were used for the South Omaha approach spans, AHNT used only continuous deck girder approaches for the Brownville Bridge.

Twelve contractors from across the country submitted competitive construction bids to the Atchison County Court on 14 November 1938. Low-bidders awarded contracts by the county included C.W. Lytle Company of Sioux City, Iowa, for the substructure ($241,997.00), Bethlehem Steel Company of Pennsylvania for the superstructure ($287,547.00), and the St. Joseph-based C.W. Atkinson Company for the massive structure's approach work ($61,777.50). Rock Port's **Atchison County Mail** reported on the large numbers of construction company representatives who inundated the town for the bridge's multiple contract letting. "Some idea of the numbers attracted to Rock

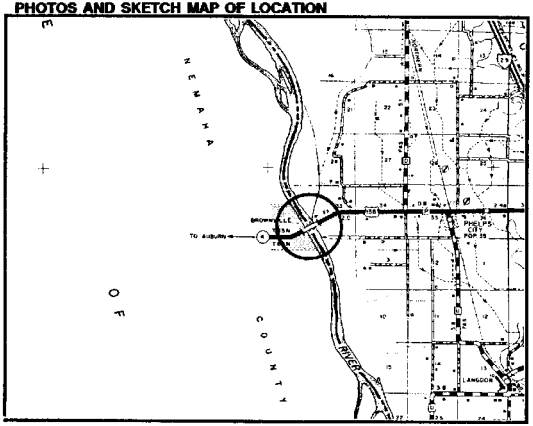
Port may be gained by the fact that on Sunday evening Hotel Opp was filled to capacity and cots had to be placed in its recreation room to accommodate some of the overflow. Others were sent to the hotel at Tarkio and many were housed in various private homes about town." Once the much sought after contracts were let, work on the substructure began early in 1939. Although delayed several weeks owing to high flood waters, the steel bridge, configured as a rigid-connected cantilevered Warren through truss, was completed by its one-year deadline in October 1939. Total project costs: $708,878.54. The 11 December 1939 dedication, which officially opened the bridge to traffic, was punctuated by local band performances, speakers, and a festival-like atmosphere.

The Missouri Highway Commission provided $50,000.00, and the Federal Emergency Administration of Public Works provided a grant totaling $311,580.00. Atchison County issued bonds for the balance of the costs, and operated the bridge as a toll crossing to repay its bondholders and cover maintenance expenses. In 1945 the Nebraska Department of Roads and Irrigation reported that the bridge was in "excellent" condition, although the concrete in the piers was cracking and in need of immediate repair. No major alterations appear to have been made to the structure, which is now owned and maintained by the State of Missouri as a "free" crossing.

The Brownville Bridge is significant for its innovative pier design and association with the prestigious engineering firm of Ash, Howard, Needles and Tammen. Spanning a major river and replacing a ferry site reportedly in use since before the Civil War, the bridge also played an important role in the development of the region's economy and transportation facilities. Perhaps most significantly, the Brownville Bridge could not have been completed without grants from the Public Works Administration, which illustrates the federal government's pivotal role in developing Missouri's transportation infrastructure during the Depression Era.

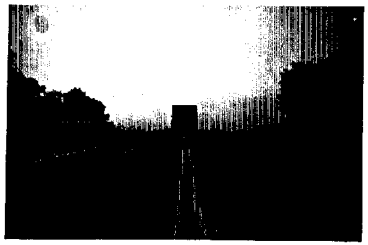
NAME(S) OF STRUCTURE
Brownville Bridge (Missouri River Bridge)

PHOTOS AND SKETCH MAP OF LOCATION



LOCATION MAP

TAKEN FROM MISSOURI HIGHWAY AND TRANSPORTATION DEPARTMENT
GENERAL HIGHWAY MAP



SOURCES

Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number L 98; files on primary system bridges located at the Missouri Highway and Transportation Department, Jefferson City MO; Nebraska Department of Roads and Irrigation, **Twenty-Third Biennial Report, 1939-1940**, p. 23; **Atchison County Mail** (newspaper): "To Get Bridge at Brownville" (26 August 1938), "Brownville Bridge to Become a Reality" (28 October 1938), 2 small articles (11 November 1938), "Brownville Bridge Bid $591,321.50" (18 November 1938), "PWA Engineer is Here for Bridge" (2 December 1938), "Weekly Bridge Pay Roll of $6,000" (16 June 1939), "Prepare for Steel Work on Bridge" (30 June 1939), "State Highway Dept - bids on road to bridge" (25 August 1939), "Steel on Brownville Bridge Going Up" (1 September 1939), "Here is how the Brownville Bridge Looms on the Skyline" (3 November 1939), "Brownville Bridge Open Next Week" (1 December 1939), "Brownville Bridge is Accomplished Fact," (8 December 1939), "Huge Throng at Bridge Dedication" (15 December 1939); field inspection by Mark Hofstetler, 18 September 1990.

INVENTORIED BY	AFFILIATION	DATE
Jeffrey A. Hess and Michelle Crow-Dolby	Fraserdesign, Loveland CO	7 August 1993