

STODDARD COUNTY

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

| Inv. No. | MHTD | Bridge Name | Description |
|----------|----------|--------------------------|--|
| *STOD01 | P 56 | Bridge | 1-120' riveted Pratt through truss 1951 Chappel Construction Company |
| *STOD02 | 052000.0 | Proffer Road Bridge | 1-125' pinned Pratt through truss 1906 Vincennes Bridge Company |
| *STOD03 | 056000.8 | Well's Ford Bridge | 1-100' pinned Pratt through truss 1913 Vincennes Bridge Company |
| *STOD04 | 137001.0 | Bridge | 1- 50' pinned Pratt pony truss 1914 Township Supply Company; county work force |
| *STOD05 | 452001.1 | Bridge | 1-114' riveted Warren pony truss c1925 SL&SFRR bridge crew (prob.) |
| *STOD06 | 452004.0 | St. Francis River Bridge | 1-180' pinned Pratt through truss c1925 SL&SFRR bridge crew (prob.) |
| *STOD07 | 521000.0 | Capps Road Bridge | 1-120' pinned Pratt through truss c1910 Vincennes Bridge Company |
| *STOD08 | 553001.1 | Bridge | 1- 80' riveted Pratt deck truss c1950 |

EXCLUDED:

Warren pony truss
 F 973R1 F1135R T 137 583000.9 596000.0

Steel stringer

| | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|
| DUCK001 | F 564R | F 565R | F104OR | F1128R | G 502R | G 892R |
| G 894R | H 327 | H 328 | H 332 | J 740 | K 40 | K 801 |
| K 802 | K 803 | K 895 | K 896 | MINGO08 | S 168 | S 232 |
| S 613 | S 688 | S 742 | S 769 | S 770 | S 771 | S 846 |
| T 136 | T 392 | T 393 | T 435 | T 941 | T 942 | T 943 |
| T 987 | X 730 | X 731 | X 829 | X 830 | X 831 | X 832 |
| X 833 | X 837 | X 838 | X 839 | 019000.9 | 083000.3 | 419001.6 |
| 521000.4 | 581000.6 | 581002.2 | 582001.3 | 583001.2 | 583001.4 | 583001.6 |
| 583001.7 | 584000.1 | 584000.4 | 588000.0 | 594000.5 | | |

Steel girder

187000.9 486001.0 507000.2

Concrete girder

F1028R H 142 K 31 K 32 K 54R 031000.6 031001.7

STODDARD COUNTY

EXCLUDED (cont.):

Timber stringer

MINGO01 MINGO02 MINGO06 T1027 452R03.3 452R03.9 452001.9
508000.3

Concrete slab

L 19 L 20 L 21 L 22 L 39 019002.7 031000.4

Concrete box culvert

G 288R G 292R H 342 H 343 H 677 J 397 K 30R
K 87R K 934 MINGO09 S 448 S 449 S 450 S 451
S 663 T 350 U1155004 X 729

SUMMARY:

| | Primary | Secondary | Urban | Other | Total |
|----------|---------|-----------|-------|-------|----------------|
| Included | 1 | 7 | 0 | 0 | 8 |
| Excluded | 77 | 28 | 4 | 0 | 109 |
| | <hr/> | | | | |
| | 78 | 35 | 4 | 0 | 117 structures |

Bridge

STOD01

GENERAL DATA

| | |
|----------------------------|--|
| structure no.: P 56 | city/town: 1.4 miles southwest of Himmel |
| county: Stoddard | feature inters.: Drainage Ditch No. 1 |
| | cadastral grid: S14, T27N, R12E |
| | highway route: State Supplementary Route DD |
| | highway distr.: 10 |
| | current owner: Missouri Highway and Transportation Department |

STRUCTURAL DATA

| | |
|--|---|
| superstructure: steel, 6-panel, rigid-connected Pratt through truss | |
| substructure: concrete abutments and wingwalls | |
| span number: 1 | condition: good |
| span length: 120.0' | alterations: none |
| total length: 124.0' | floor/decking : concrete deck over steel stringers |
| roadway width: 17.0' | other features: steel angle guardrails |

HISTORICAL DATA

| | |
|--|--|
| erection date: 1950-51 | |
| erection cost: \$17,182.75 | |
| designer: Missouri State Highway Department | |
| fabricator : unknown | |
| contractor: Chappel Construction Company / Paul Montgomery | |
| references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. P 56; Missouri Highway and Transportation Department, Primary System Bridge Record, located at the Bridge Division, MHTD, Jefferson City MO. | |
| sign. rating: 37 | |
| evaluation: NRHP non-eligible (typically configured, late example of common structural type) | |

inventoried by: Michelle Crow-Dolby 16 May 1993

Proffer Road Bridge

STOD02

GENERAL DATA

| | |
|--------------------------------|--|
| structure no.: 052000.0 | city/town: 2.0 miles southeast of Avert |
| county: Stoddard | feature inters.: Castor River (old channel) |
| | cadastral grid: S28, T27N, R11E |
| | highway route: county road |
| | highway distr.: 10 |
| | current owner: Stoddard County |

STRUCTURAL DATA

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

| | |
|-----------------------------|--|
| span number: 1 | condition: poor (bridge closed) |
| span length: 125.0' | alterations: deck removed; bridge closed |
| total length: 125.0' | floor/decking : deck removed |
| roadway width: 13.6' | 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 (2 looped round eyerods at the hip); diagonal: 2 punched rectangular eyebars; lateral bracing: round rod with threaded ends; strut: 2 angles with 2 angle knee braces; portal strut: lattice with angle knee braces; floor beam: riveted plate girder, field bolted to vertical; stringers: I-beam; guardrail: 2 channels; portal builder's plates removed |

HISTORICAL DATA

erection date: 1905-06
erection cost: \$1775.00
designer: Vincennes Bridge Company, Vincennes IN
fabricator : Vincennes Bridge Company, Vincennes IN
contractor: Vincennes Bridge Company, Vincennes IN

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 052000.0; Stoddard County Court Record J: page 475 (3 June 1901); Stoddard County Court Record K: page 387 (4 August 1903); Stoddard County Court Record L: page 19 (5 May 1904), page 388 (6 June 1905), page 428 (9 August 1905); Stoddard County Court Record M: page 105 (12 March 1906), page 226 (10 May 1906), located at Stoddard County Courthouse, Bloomfield MO; oral interview with Norman Moore, Stoddard County Presiding Commissioner, 31 March 1992; field inspection by Richard Collier, 30 March 1992.

Proffer Road Bridge

sign. rating: 40
evaluation: NRHP non-eligible (typically configured example of mainstay structural type)

inventoried by: Michelle Crow-Dolby 16 May 1993

Well's Ford Bridge

STOD03

GENERAL DATA

| | | | |
|-----------------------|----------|-------------------------|----------------------------|
| structure no.: | 056000.8 | city/town: | 1.2 miles east of Avert |
| county: | Stoddard | feature inters.: | Castor River (old channel) |
| | | cadastral grid: | S2, T26N, R11E |
| | | highway route: | County Road 56 |
| | | highway distr.: | 10 |
| | | current owner: | Stoddard County |

STRUCTURAL DATA

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

| | | | |
|-----------------------|--------|------------------------|--|
| span number: | 1 | condition: | poor (bridge closed) |
| span length: | 100.0' | alterations: | deck and stringers removed; bridge closed |
| total length: | 101.0' | floor/decking : | deck removed |
| roadway width: | 13.4' | 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 (2 looped round eyerods at the hip); diagonal: 2 punched rectangular eyebars; counter: looped round eyerod; lateral bracing: round rod with threaded ends; strut: 4 angles with lacing; portal strut: lattice with 2-angle knee braces; floor beam: I-beam, field bolted to vertical; channel guard-rails |

HISTORICAL DATA

erection date: 1913
erection cost: \$1850.00
designer: Vincennes Bridge Company, Vincennes IN
fabricator : Vincennes Bridge Company, Vincennes IN
contractor : Vincennes Bridge Company, Vincennes IN

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 056000.8; Stoddard County Court Record J: page 118 (29 December 1899); Stoddard County Court Record K: page 17 (5 May 1902), page 107 (18 September 1902), page 252 (2 March 1903); Stoddard County Court Record P: page 104 (6 December 1909), page 165 (10 February 1910), page 313 (9 August 1910), page 414 (7 September 1910); Stoddard County Court Record R: page 170 (8 April 1912), page 544 (17 February 1913), page 549 (3 March 1913), page 550 (17 March 1913), page 624 (3 April 1913); Stoddard County Court Record S: page 7 (5 May 1913), located at Stoddard County Courthouse, Bloomfield MO; oral interview with Norman Moore, Stoddard County Presiding Commissioner, 31 March 1992; field inspection by Richard Collier and Carl McWilliams, 30 March 1992.

Well's Ford Bridge

sign. rating: 35
evaluation: NRHP non-eligible (typically configured example of common structural type)

inventoried by: Michelle Crow-Dolby 16 May 1993

Bridge

STOD04

GENERAL DATA

| | |
|--------------------------------|---|
| structure no.: 137001.0 | city/town: 2.9 miles northeast of Dexter |
| county: Stoddard | feature inters.: drainage ditch |
| | cadastral grid: S12, T25N, R10E |
| | highway route: County Road 137 |
| | highway distr.: 10 |
| | current owner: Stoddard County |

STRUCTURAL DATA

| | |
|--|---|
| superstructure: steel, 4-panel, pin-connected Pratt pony truss | |
| substructure: steel pile bent abutments with timber back- and wingwalls | |
| span number: 1 | condition: fair |
| span length: 50.0' | alterations: none |
| total length: 51.0' | floor/decking : timber deck over steel stringers |
| roadway width: 13.8' | other features: 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 turn-buckle; lateral bracing: round rod with threaded ends; floor beam: I-beam, field-bolted to vertical; guardrail: 2 channels |

HISTORICAL DATA

| |
|--|
| erection date: 1914 |
| erection cost: \$400.00 (superstructure cost) |
| designer: Township Supply Company, St. Louis MO (probable) |
| fabricator : Township Supply Company, St. Louis MO (probable) |
| contractor: county work force |

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 137001.0; Stoddard County Court Record S: page 347 (12 February 1914), page 362 (16 February 1914), located at Stoddard County Courthouse, Bloomfield MO; field inspection by Richard Collier, 30 March 1992.

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

inventoried by: Michelle Crow-Dolby 16 May 1993

Bridge

STOD05

GENERAL DATA

| | |
|--------------------------------|--|
| structure no.: 452001.1 | city/town: 2.1 miles southwest of Mingo |
| county: Stoddard | feature inters.: Mingo Spillway Ditch |
| | cadastral grid: S17/18, T26N, R8E |
| | highway route: County Road 452 |
| | highway distr.: 10 |
| | current owner: Stoddard County |

STRUCTURAL DATA

superstructure: steel, 9-panel, rigid-connected Warren pony truss
substructure: timber pile bent abutments

| | |
|-----------------------------|---|
| span number: 1 | condition: fair |
| span length: 114.0' | alterations: converted from railroad to roadway use |
| total length: 114.0' | floor/decking : concrete deck over plate girder stringers |
| roadway width: 14.1' | other features: upper chord and inclined end post: 2 built-up channels with cover plate and lacing; lower chord: 2 continuous plates with 2 angles and batten plates; vertical: 2 angles with 2-angle outriders (lacing between vertical and outrider); diagonal: 4 angles with continuous plate; lateral bracing: 1 angle; floor beam: plate girder |

HISTORICAL DATA

erection date: c1925
erection cost: unknown
designer: unknown
fabricator : Phoenix Iron Company, Philadelphia PA
contractor: St. Louis & San Francisco Railroad bridge crew (probable)

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 452001.1; field inspection by Richard Collier, 30 March 1992.

sign. rating: 22
evaluation: NRHP non-eligible (railroad bridge in original location, converted to use as a county road)

inventoried by: Michelle Crow-Dolby 16 May 1993

St. Francis River Bridge

STOD06

GENERAL DATA

| | |
|--------------------------------|---|
| structure no.: 452004.0 | city/town: 3.8 miles southwest of Asherville |
| county: Stoddard | feature inters.: St. Francis River |
| | cadastral grid: S25, T26N, R7E |
| | highway route: County Road 452 |
| | highway distr.: 10 |
| | current owner: Stoddard County |

STRUCTURAL DATA

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

substructure: stone masonry piers under main span; timber pile bent piers under approach spans

| | |
|-----------------------------|--|
| span number: 1 | condition: fair |
| span length: 180.0' | alterations: converted from railroad to roadway use |
| total length: 293.0' | floor/decking : concrete deck over plate girder stringers |
| roadway width: 12.8' | other features: upper chord and inclined end post: 2 channels with cover plate and double lacing; lower chord: 2 punched rectangular eyebars; vertical: 2 face-to-face channels with lacing (4 angles with continuous plate at the hip); diagonal: 2 punched rectangular eyebars; counter: flat rod with turnbuckle; lateral bracing: 1 angle; strut: 4 angles with lacing, and 2 angle knee braces; portal strut: A-frame; floor beam: plate girders |

HISTORICAL DATA

erection date: c1925

erection cost: unknown

designer: unknown

fabricator : Phoenix Iron Company, Philadelphia PA

contractor: St. Louis - San Francisco Railroad bridge crew (probable)

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 452004.0; field inspection by Richard Collier, 30 March 1992.

sign. rating: 29

evaluation: NRHP non-eligible (railroad bridge in original location, converted to use as a county road)

Inventoried by: Michelle Crow-Dolby 16 May 1993

Capps Road Bridge

STOD07

GENERAL DATA

structure no.: 521000.0 city/town: 1.4 miles northwest of Aquilla
county: Stoddard feature inters.: old channel of Castor River
cadastral grid: S26, T27N, R10E
highway route: County Road 521
highway distr.: 10
current owner: Stoddard County

STRUCTURAL DATA

superstructure: steel, 7-panel, pin-connected Pratt through truss, with steel stringer approach spans
substructure: concrete abutments; concrete-filled steel cylinder piers

span number: 1 condition: fair
span length: 120.0' alterations: none
total length: 145.0' floor/decking : timber deck over steel stringers
roadway width: 13.5' 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 2-angle knee braces; portal strut: lattice with 2-angle knee braces; floor beam: I-beam, U-bolted to vertical; guardrail: 2 angles

HISTORICAL DATA

erection date: c1910
erection cost: unknown
designer: Vincennes Bridge Company, Vincennes IN
fabricator : Vincennes Bridge Company, Vincennes IN;
Cambria Steel Company, Pittsburgh PA
contractor: Vincennes Bridge Company, Vincennes IN
references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 521000.0; Stoddard County Court Record L: page 24 (6 June 1904), page 38 (1 August 1904), page 247 (6 February 1905), located at Stoddard County Courthouse, Bloomfield MO; oral interview with Norman Moore, Stoddard County Presiding Commissioner, 31 March 1992; field inspection by Richard Collier, 30 March 1992.
sign. rating: 38
evaluation: NRHP non-eligible (typically configured example of common structural type)

inventoried by: Michelle Crow-Dolby 16 May 1993

Bridge

STOD08

GENERAL DATA

| | | | |
|----------------|----------|------------------|-------------------------------|
| structure no.: | 553001.1 | city/town: | 4.4 miles southwest of Dudley |
| county: | Stoddard | feature inters.: | drainage ditch |
| | | cadastral grid: | 1/12, T24N, R8E |
| | | highway route: | County Road 553 |
| | | highway distr.: | 10 |
| | | current owner: | Stoddard County |

STRUCTURAL DATA

| | | | |
|-----------------|---|-----------------|---|
| superstructure: | steel, 15-panel, rigid-connected Pratt deck truss, with steel stringer approach spans | | |
| substructure: | steel pile bent piers and abutments | | |
| span number: | 1 | condition: | fair |
| span length: | 80.0' | alterations: | none |
| total length: | 80.0' | floor/decking : | timber deck over transverse steel stringers |
| roadway width: | 16.0' | other features: | upper chord: I-beam; inclined end post: wide flange; lower chord: wide flange; vertical: wide flange; diagonal: wide flange; lateral bracing: 1 angle |

HISTORICAL DATA

| | |
|----------------|---------|
| erection date: | c1950 |
| erection cost: | unknown |
| designer: | unknown |
| fabricator : | unknown |
| contractor: | unknown |

references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 553001.1; field inspection by Richard Collier, 30 March 1992.

| | |
|---------------|---|
| sign. rating: | 43 |
| evaluation: | NRHP non-eligible (particularly unattractive, late example of uncommon structural type) |

inventoried by: Michelle Crow-Dolby 16 May 1993

HAER INVENTORY

Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE

Proffer Road Bridge (Castor River Bridge)
MHTD: 052000.0

STOD02

DATE(S) OF CONSTRUCTION

1905-06

LOCATION

county road over Castor River (old channel); S28, T27N, R11E
2.0 miles southeast of Avert; Stoddard County, Missouri

USE (ORIGINAL / CURRENT)

roadway bridge / abandoned

RATING NRHP non-eligible (score: 40)

CONDITION

poor (bridge closed)

OWNER

Stoddard County

span number: 1
span length: 125.0'
total length: 125.0'
roadway wdt.: 13.6'

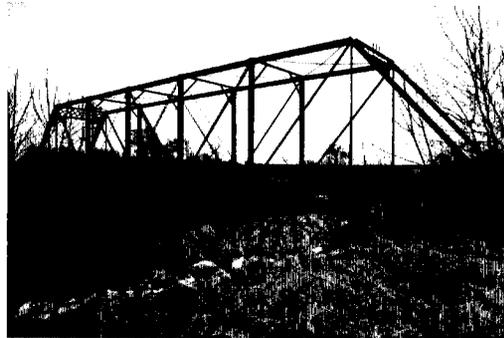
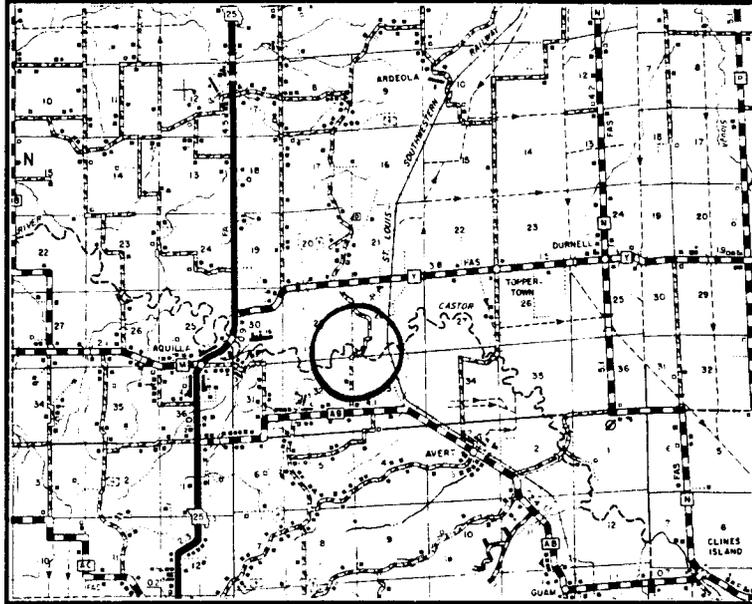
superstructure: steel, 7-panel, pin-connected Pratt through truss
substructure: steel pile bent abutments
floor/decking: deck removed
other features: upper chord / inclined end post: 2 channels with cover and batten plates; lower chord: 2 punched rectangular eyebars; vertical: 2 channels with lacing (2 looped round rods at the hip); diagonal: 2 punched rectangular eyebars; lateral bracing: round rod with threaded ends; strut: 2 angles with 2 angle knee braces; portal strut: lattice with angle knee braces; floor beam: riveted plate girder, field bolted to vertical; stringers: I-beam; guardrail: 2 channels; portal builder's plates removed

From its initial planning in June 1901 to its completion in March 1906, the Proffer Road Bridge was five years and three county surveyors in the making. On June 3, 1901, Stoddard County Surveyor William Huffman submitted a report regarding bridging the Castor River near the John Cooper Farm, on the W.H. Proffer Road. Huffman stated that a 150-foot wooden structure was needed, to cost approximately \$340.00. Although the county court accepted his report, it decided not to undertake construction at that time. The project then lay dormant for over two years, until early August 1903. By then A.C. Spiker had become the county surveyor, and, like Huffman before him, Spiker was directed to survey and estimate the cost of a Castor River Bridge on the Proffer Road. Also like Huffman, Spiker prepared plans and estimates for a wood bridge. In May 1904 the county court ordered bids let for its construction. There is no evidence, though, that a wood bridge was actually built. Instead, the county began to consider a costlier, but more permanent, iron or steel truss. In early 1905 county surveyor Rudolph Weber (Spiker's successor) continued the tradition of surveying and estimating the cost of a bridge on the Proffer Road. Unlike Huffman and Spiker, however, Weber's plans came to fruition. In June 1905 he estimated a wood bridge's cost at \$900.00, and a steel bridge at \$2100.00. In August the Vincennes Bridge Company of Vincennes IN was awarded a \$1775.00 contract to fabricate and build a steel truss for this crossing. Completed in March 1906, the bridge functioned as built until its recent abandonment.

Marketed extensively by virtually all of the in-state and regional bridge contractors and promoted in the form of standardized designs, the pinned Pratt through truss was widely used by Missouri's counties to carry roads over the state's myriad watercourses. Thousands of such trusses were erected across the state in the late 19th and early 20th centuries, and many remain in place today. Stoddard County's oldest intact wagon span, the Proffer Road Bridge typifies this widespread bridge building trend.

NAME(S) OF STRUCTURE

Proffer Road Bridge (Castor 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. 052000.0; Stoddard County Court Record J: page 475 (3 June 1901); Stoddard County Court Record K: page 387 (4 August 1903); Stoddard County Court Record L: page 19 (5 May 1904), page 388 (6 June 1905), page 428 (9 August 1905); Stoddard County Court Record M: page 105 (12 March 1906), page 226 (10 May 1906), located at Stoddard County Courthouse, Bloomfield MO; oral interview with Norman Moore, Stoddard County Presiding Commissioner, conducted by Carl McWilliams, 31 March 1992; field inspection by Carl McWilliams and Richard Collier, 30 March 1992.

INVENTORIED BY

Carl McWilliams

AFFILIATION

Fraserdesign, Loveland CO

DATE6 May 1992
