

Crooked River Bridge

RAY016

GENERAL DATA

structure no.: 289001.3 city/town: 6.8 miles southeast of Richmond
county: Ray feature inters.: Crooked River
cadastral grid: S6, T51N, R26W
highway route: County Road 289
highway distr.: 4
current owner: Ray County

STRUCTURAL DATA

superstructure: steel, 7-panel, pin-connected Pratt through truss; steel stringer approaches at either end
substructure: steel pile bent abutments; concrete-filled steel cylinder piers

span number: 1 condition: fair
span length: 120.0' alterations: none
total length: 159.0' floor/decking : timber deck over steel stringers
roadway width: 11.0' other features: upper chord and inclined end post: 2 channels with cover plate and lacing; lower chord: 2 looped rectangular eyebars; vertical: 2 channels with lacing (2 angles with batten plates at hip); diagonal: 2 looped rectangular eye-bars; counter: square eyebar with turnbuckle; lateral bracing: round rod with threaded ends; strut: 2 angles; floor beam: I-beam, field-bolted to vertical; guardrail: steel pipe; bridge plate: 1908 / J.G. Van Trump Pres Judge / Job Slack Assoc. Judge / E.A. Ringo County Clerk / W.A. Mullin Co. R&B Commissioner

HISTORICAL DATA

erection date: 1908
erection cost: \$2820.00 (three-bridge contract)
designer: Kansas City Bridge Company, Kansas City MO
fabricator : Kansas City Bridge Company, Kansas City MO
contractor: Kansas City Bridge Company, Kansas City MO
references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure Number 289001.3; Ray County Court Record, Book T: page 565 (7 May 1908), pages 612-14 (8 September 1908) - located at the Ray County Courthouse, Richmond MO; field inspection by Lon Johnson, 11 September 1990.

sign. rating: 48
evaluation: NRHP non-eligible (typical example of mainstay structural type)

inventoried by: Michelle Crow-Dolby 3 August 1992

HAER INVENTORY

Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE

Crooked River Bridge
MHTD: 289001.3

RAY016

DATE(S) OF CONSTRUCTION

1908

LOCATION

County Road 289 over Crooked River; S6, T51N, R26W
6.8 miles southeast of Richmond; Ray County, Missouri

USE (ORIGINAL / CURRENT)

roadway bridge / roadway bridge

RATING NRHP non-eligible (score: 48)

CONDITION

fair

OWNER

Ray County

span number: 1
span length: 120.0'
total length: 159.0'
roadway wdt.: 11.0'

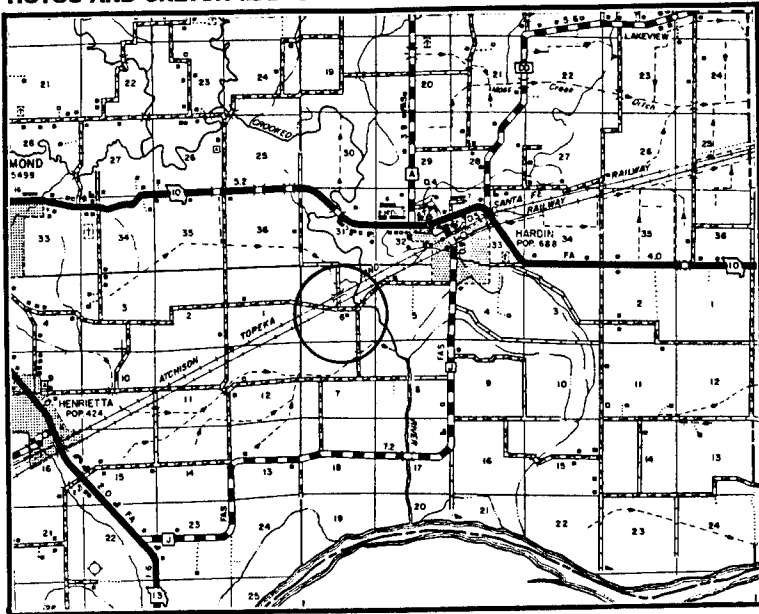
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This Pratt through truss carries an unpaved county road over the Crooked River some seven miles southeast of Richmond in the southeastern corner of Ray County. Approached at either end by steel stringers and featuring pinned connections throughout, the timber-decked structure spans 120 feet. The bridge traces its construction history to May of 1908, when, according to county court records, the county highway engineer was asked to make plans, advertise, and take bids for a bridge at this location. Several months later a contract for three bridges, including this truss, was let to the Kansas City Bridge Company for the aggregate sum of \$2820.00. According to its bridge plate, the crossing was completed in 1908 by KCBCo. Since its construction, the Crooked River Bridge has serviced county-road traffic in essentially unaltered condition, with its overall integrity intact.

In Missouri, the pinned Pratt through truss was the bridge of choice for short- and medium-span applications in the late 19th and early 20th centuries. As a result, thousands of Pratts were built across the state, and today Pratts constitute the most populous group of through trusses. Though it retains a relatively high degree of physical integrity, the Crooked River Bridge is unremarkable in its design, dimensions, and detailing.

NAME(S) OF STRUCTURE
Crooked River Bridge

PHOTOS AND SKETCH MAP OF LOCATION



LOCATION MAP

TAKEN FROM MISSOURI HIGHWAY AND TRANSPORTATION DEPARTMENT
GENERAL HIGHWAY MAP

SOURCES

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INVENTORIED BY
Michelle Crow-Dolby

AFFILIATION
Fraserdesign, Loveland CO

DATE
3 August 1992