

McCarty Creek Bridge

VERN24

GENERAL DATA

structure no.:	657001.4	city/town:	2.0 miles northwest of Montevallo
county:	Vernon	feature inters.:	McCarty Creek
		cadastral grid:	S5, T34N, R29W
		highway route:	County Road 657
		highway distr.:	7
		current owner:	Vernon County

STRUCTURAL DATA

superstructure: steel, 4-panel, pin-connected Pratt pony truss
substructure: stone masonry abutments

span number:	1	condition:	fair
span length:	60.0'	alterations:	none
total length:	60.0'	floor/decking :	timber deck over steel stringers
roadway width:	12.3'	other features:	upper chord and inclined end post: 2 channels with cover and batten plates; lower chord: 2 punched rectangular eyebars; vertical: small I-beam with star iron outrider; diagonal: 2 punched rectangular eyebars; counter: round rod with unslotted turnbuckle; lateral bracing: round rod with threaded ends; floor beam: plate girder, U-bolted to vertical; guardrail: 1 channel

HISTORICAL DATA

erection date: c1895
erection cost: unknown
designer: Missouri Valley Bridge and Iron Works, Leavenworth KS
fabricator : Missouri Valley Bridge and Iron Works, Leavenworth KS;
Carnegie Steel Company, Pittsburgh PA
contractor: Missouri Valley Bridge and Iron Works, Leavenworth KS
references: Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 657001.4; field inspection by Clayton Fraser, 31 May 1991.
sign. rating: 40
evaluation: NRHP non-eligible (well-preserved, relatively early example of mainstay structural type, partially documented)

inventoried by: Clayton B. Fraser 25 July 1993

HAER INVENTORY

Missouri Historic Bridge Inventory

NAME(S) OF STRUCTURE

McCarty Creek Bridge
MHTD: 657001.4

VERN24

DATE(S) OF CONSTRUCTION

c1895

LOCATION

County Road 657 over McCarty Creek; S5, T34N, R29W
2.0 miles northwest of Montevallo; Vernon County, Missouri

USE (ORIGINAL / CURRENT)

roadway bridge / roadway bridge

RATING NRHP non-eligible (score: 40)

CONDITION

fair

OWNER

Vernon County

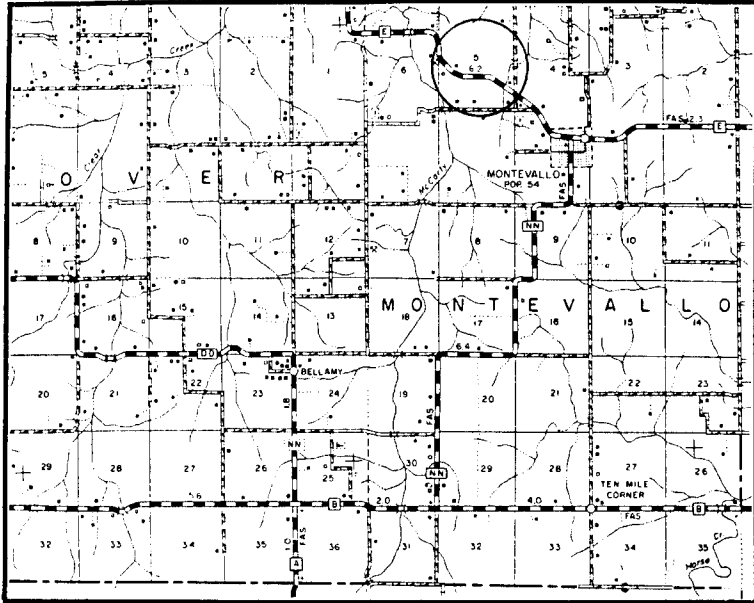
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Located about two miles northwest of Montevallo, in southeastern Vernon County, this modestly scaled bridge carries a gravel-surfaced road over McCarty Creek. Configured as a four-panel, pin-connected Pratt pony truss, the bridge is supported by cut stone abutments. Specific references to the bridge have not been located in minutes the Vernon County Court, but structural elements of the truss itself earmark it as having been fabricated around 1895 by the Missouri Valley Bridge and Iron Works of Leavenworth, Kansas. Today, the McCarty Creek Bridge exhibits an exceptionally high degree of physical integrity. Although its construction history remains obscure, the bridge is unchanged from its original construction.

In Missouri, the pinned Pratt through truss was the bridge of choice for medium-span applications in the late 19th and early 20th centuries. Thousands of Pratt ponies were built across the state during this period, and today these bridges constitute the most populous group of through trusses. Retaining a high degree of physical integrity and a relatively early construction date, the McCarty Creek Bridge is a noteworthy example of pinned Pratt truss construction.

NAME(S) OF STRUCTURE
McCarty Creek Bridge

PHOTOS AND SKETCH MAP OF LOCATION



LOCATION MAP

TAKEN FROM MISSOURI HIGHWAY AND TRANSPORTATION DEPARTMENT
GENERAL HIGHWAY MAP

SOURCES

Missouri Highway and Transportation Department, Structure Inventory and Appraisal: Structure No. 657001.4; field inspection by Clayton Fraser, 31 May 1991.

INVENTORIED BY
Clayton B. Fraser

AFFILIATION
Fraserdesign, Loveland CO

DATE
25 July 1993
