

HABS/HAER INVENTORY

U.S. Department of the Interior
National Park Service
Washington, DC 20240

1. SITE I.D. NO

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2. NAME(S) OF STRUCTURE

Satank Bridge
Bridge over Roaring Fork River

GA01

5. ORIGINAL USE

roadway bridge

7. CLASSIFICATION

BT&A: TRUSS: WOOD

7	6	0	0
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9. RATING

local

10. DATE

1900

3. SITE ADDRESS (STREET & NO)

County Road 106 over Roaring Fork River
1.4 miles northwest of Carbondale
SW¼ S28 T7S R88W

6. PRESENT USE

roadway bridge

8	UTM ZONE	EASTING	NORTHING
	13	308020	4365230

11. REGION

RMRO

4. CITY/VICINITY

Carbondale vicinity

COUNTY

Garfield

STATE

Colorado

SCALE

1:24

1:62.5

QUAD
NAME

Carbondale

12. OWNER/ADMIN ADDRESS

Garfield County Garfield County Courthouse 8th and Colorado Glenwood Springs Colorado

13. DESCRIPTION AND BACKGROUND HISTORY INCLUDING CONSTRUCTION DATE(S), PHYSICAL DIMENSIONS, MATERIALS, MAJOR ALTERATIONS, EXTANT EQUIPMENT, AND IMPORTANT BUILDERS, ARCHITECTS, ENGINEERS, ETC.

Pin-connected, 6-panel timber Pratt through truss

span number:	1	end/top chrd:	2 8x10 w/ spacers (end); 3 4½x10 w/ spacers (top)
span length:	100' 0"	bottom chord:	2 rectangular eyebars
overall length:	102' 0"	vertical:	2 rectangular eyebars @ end panel pt.; 2 8x10 @ others
overall height:	17' 0"	diagonal:	2 rectangular eyebars
clearance hgt.:	12' 10"	flr./decking:	timber decking and stringers w/ 2 6x12 floor beam
roadway width :	13' 7"	substructure:	stone retaining walls w/ concrete caps

In February 1900 the Garfield County Board of Commissioners advertised for proposals for a 100' steel or timber bridge to replace the existing timber/iron Howe truss north of the town of Satank. Bids were received from four bridgebuilding companies: the Midland Bridge Company of Kansas City, Standard Bridge Company of Omaha, Broughton and Morrill and the Pueblo Bridge Company of Pueblo, Colorado. With a bid of \$2325 Pueblo Bridge was awarded the contract for this timber/steel Pratt through truss. By the seventh of May the stone abutments had been built and the material for the superstructure was at the site, and a week later the bridge was completed. It has remained in place as a minor crossing of the Roaring Fork, unaltered and in relatively good condition.

14. CONDITION

EXCELLENT

GOOD

FAIR

DETERIORATED

RUINS

15. DANGER OF DEMOLITION?
(SPECIFY THREAT)

YES

NO

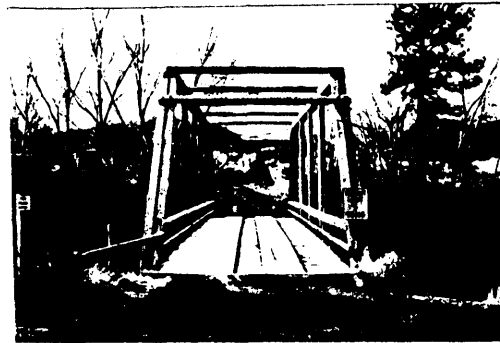
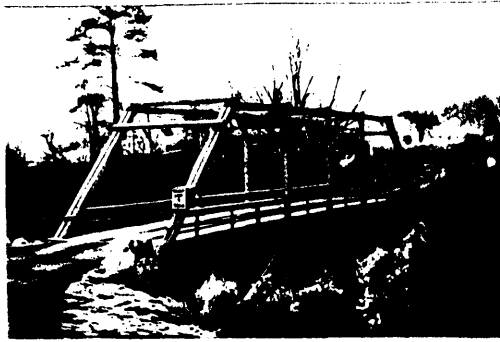
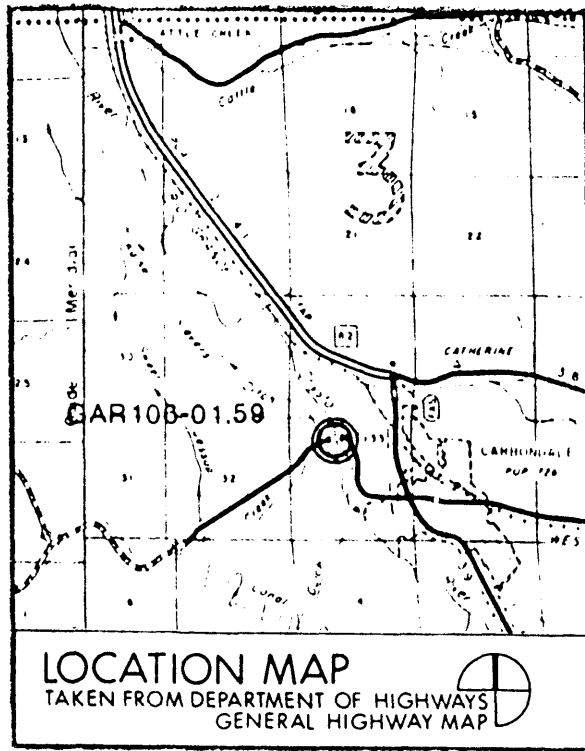
UNKNOWN

16. SIGNIFICANCE

AREA OF SIGNIFICANCE: Engineering

Around the turn of the century, after a series of well-publicized collapses and the replacement of iron with comparatively inexpensive steel, the Howe truss declined in use as a vehicular bridge type. Although some were built as late as the 1930s, the Howe as a generic form was generally replaced by the inherently stronger Pratt truss. The Satank Bridge is interesting as a direct exemplification of that engineering trend. It is one of the older roadway trusses in Colorado, and with the demolition of the Virginia Dale Bridge (LR15), it is the only remaining timber Pratt through truss in public use in the state. Additionally, the Satank Bridge is the longest-span timber truss in the survey. As such it is a significant remnant among Colorado's bridges.

FIB 4 1982



18 LOCATED IN AN HISTORIC DISTRICT? YES NO NAME

19 PUBLIC ACCESSIBILITY YES, LIMITED YES, UNLIMITED NO UNKNOWN

20. EXISTING SURVEYS NR NHL HABS HAER-1 HAER NPS STATE
 COUNTY LOCAL OTHER

21 REFERENCES—HISTORICAL REFERENCES, PERSONAL CONTACTS, AND/OR OTHER

Garfield County Commissioners' Minutes: 10 February 1900 (Book C, page 96), 5 March 1900 (Book C, pages 99-100), 2 April 1900 (Book C, page 104), 7 May 1900 (Book C, pages 110-111), 12 May 1900 (Book C, page 117). Garfield County Courthouse, Glenwood Springs Colorado.

Field inspection by Clayton Fraser and Susan Cason. 16 November 1983.

Correspondence from Rebecca Herbst, Historian, Colorado Department of Highways. 24 October 1983.

22. INVENTORIED BY
Clayton Fraser and Susan Cason

AFFILIATION
Fraserdesign Loveland Colorado

DATE
21 November 1983