

HABS/HAER INVENTORY

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

1. SITE I.D. NO		<table border="1" style="width: 100%; height: 20px;"> <tr> <td style="width: 20px;"> </td><td style="width: 20px;"> </td><td style="width: 20px;"> </td><td style="width: 20px;"> </td><td style="width: 20px;"> </td><td style="width: 20px;"> </td><td style="width: 20px;"> </td><td style="width: 20px;"> </td> </tr> </table>										5. ORIGINAL USE		7. CLASSIFICATION				9. RATING										
2. NAME(S) OF STRUCTURE		RB03		roadway bridge		BT&A: STEEL: TRUSS				7 6 0 3		local																
3. SITE ADDRESS (STREET & NO)		6. PRESENT USE		roadway bridge						10. DATE		1900																
County Road 127 over White River 9.8 miles west of Meeker NE¼ S31, T1N, R95W																												
4. CITY/VICINITY		COUNTY		STATE		8. UTM ZONE EASTING NORTHING				11. REGION																		
Meeker vicinity		Rio Blanco		Colorado		<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="width: 20px;">1</td><td style="width: 20px;">2</td><td style="width: 20px;">7</td><td style="width: 20px;">4</td><td style="width: 20px;">8</td><td style="width: 20px;">1</td><td style="width: 20px;">9</td><td style="width: 20px;">0</td><td style="width: 20px;">4</td><td style="width: 20px;">4</td><td style="width: 20px;">3</td><td style="width: 20px;">3</td><td style="width: 20px;">1</td><td style="width: 20px;">0</td><td style="width: 20px;">0</td> </tr> </table>				1	2	7	4	8	1	9	0	4	4	3	3	1	0	0	RMRO			
1	2	7	4	8	1	9	0	4	4	3	3	1	0	0														
						SCALE 1:24 OTHER 1:62.5				QUAD NAME		Buckskin Point																
12. OWNER/ADMIN ADDRESS																												
Rio Blanco County Rio Blanco County Courthouse 6th and Main Meeker Colorado 81641																												

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 steel Pratt pony truss

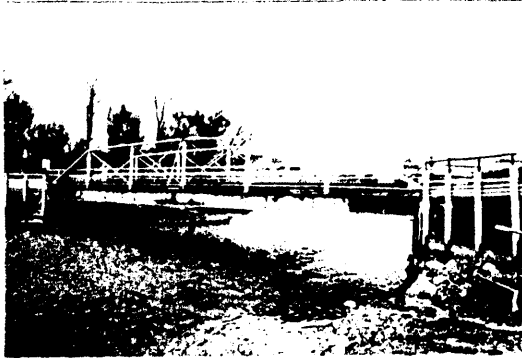
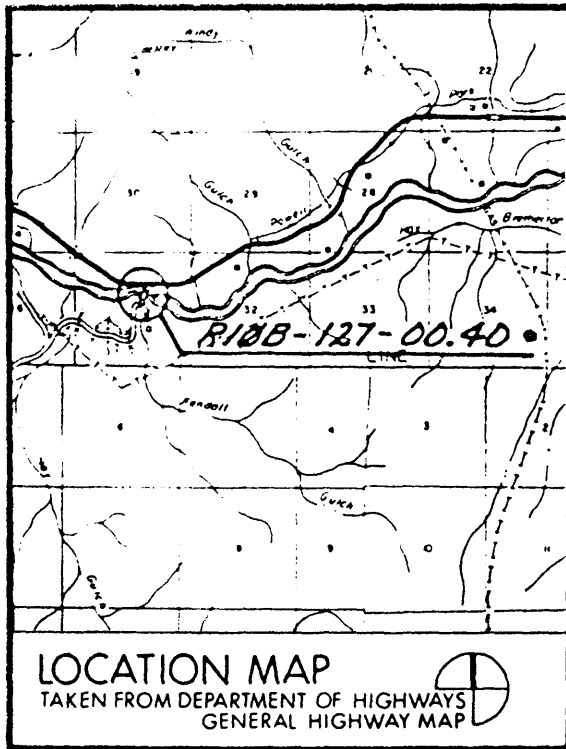
span number: 1	end/top chrd: 2 channels w/ cover plate and lacing
span length: 92' 0"	bottom chord: 2 rectangular eyebars
overall length: 93' 0"	vertical: 2 channels w/ lacing
roadway width : 13'11"	diagonal: 2 rectangular eyebars; 1 square eyebar w/ turnbuckle
	flr./decking: earth over corrugated steel w/ steel stringers
	substructure: steel pile bents w/ timber wingwalls

House Bill 144 of the Colorado State Legislature appropriated \$2000 for a bridge over the White River at Hay's Ranch ten miles below Meeker. Construction was delayed throughout 1900 by confusion regarding the proposed location for the crossing, but by the end of November that year proposals were received. The contract was awarded to the M.J. Patterson Contracting Company of Denver. Using steel forged by Lackawanna and Carnegie, Patterson completed this long-span Pratt pony truss early the next year. The bridge features a slightly bowed top chord, unlike the typical parallel-chorded pony trusses of the period. It has more recently been reinforced by three steel girders placed beneath the floor beams - a rehabilitation measure which is visible only from below.

14. CONDITION					15. DANGER OF DEMOLITION? (SPECIFY THREAT)		
<input type="checkbox"/> EXCELLENT	<input type="checkbox"/> GOOD	<input checked="" type="checkbox"/> FAIR	<input type="checkbox"/> DETERIORATED	<input type="checkbox"/> RUINS	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input checked="" type="checkbox"/> UNKNOWN

16. SIGNIFICANCE AREA OF SIGNIFICANCE: Engineering and Transportation

Once an important regional crossing of the White River, the State Bridge at Hay's Ranch is historically significant as the oldest remaining state-funded vehicular bridge and, together with the Four Mile Bridge (R003) in Routt County, the oldest roadway truss in northwestern Colorado. Technologically, the bridge's slightly bowed top chord distinguishes it as a peculiar variation of the Pratt pony truss. Through its recent structural reinforcement, the Hay's Ranch Bridge is a substantial structure - the longest-span of the early pin-connected pony trusses in the survey and one of the state's more significant bridges.



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

Structure Inventory and Appraisal: RIOB-127-00.40. Colorado Department of Highways, Denver Colorado.

10th Biennial Report of the State Engineer, Colorado: 1889-1900. Denver Colorado: Smith-Brooks Printing Company, 1901. p. 30.

Field inspection by Clayton Fraser and Carl Hallberg, 19 October 1983.

22 INVENTORIED BY

Clayton Fraser and Carl Hallberg

AFFILIATION

Fraserdesign Loveland Colorado

DATE

1 December 1983