

HABS/HAER INVENTORY

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

1. SITE I.D. NO <div style="border: 1px solid black; width: 100px; height: 20px; margin: 5px 0;"></div>	5. ORIGINAL USE CA10 highway bridge	7. CLASSIFICATION BT&A: TRUSS: STEEL	9. RATING local								
2. NAME(S) OF STRUCTURE Bridge over Arkansas River CDH: I-12-T	6. PRESENT USE highway bridge	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">7</td> <td style="width: 5%;">6</td> <td style="width: 5%;">0</td> <td style="width: 5%;">3</td> </tr> </table>	7	6	0	3	10. DATE 1937				
7	6	0	3								
3. SITE ADDRESS (STREET & NO) U.S. Highway 24 over Arkansas River 5.6 miles southeast of Buena Vista SE¼ S22, T14S, R78W	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">8</td> <td style="width: 15%;">UTM ZONE</td> <td style="width: 25%;">EASTING</td> <td style="width: 35%;">NORTHING</td> </tr> <tr> <td></td> <td>13</td> <td>404200</td> <td>4296450</td> </tr> </table>	8	UTM ZONE	EASTING	NORTHING		13	404200	4296450	11. REGION RMRO	
8	UTM ZONE	EASTING	NORTHING								
	13	404200	4296450								
4. CITY/VICINITY Buena Vista vicinity	COUNTY Chaffee	STATE Colorado	SCALE 1:24 1:62.5 OTHER: _____								
12. OWNER/ADMIN ADDRESS Colorado Department of Highways 4201 East Arkansas Avenue Denver Colorado 80222											

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

Rigid-connected, 6-panel steel Pratt deck truss

span number: 1	end/top chrd: I beam (end); 2 channels w/ double lacing (top)
span length: 125'0"	bottom chord: 2 channels w/ batten plates
overall length: 353'0"	vertical: wide flange
roadway width : 30'0"	diagonal: wide flange
	flr./decking: monolithic concrete deck over steel floor beams
	substructure: spill-through concrete piers w/ concrete wingwalls

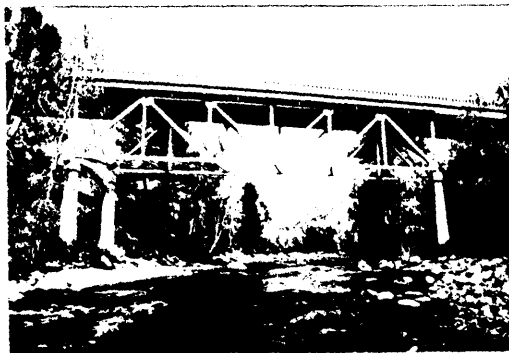
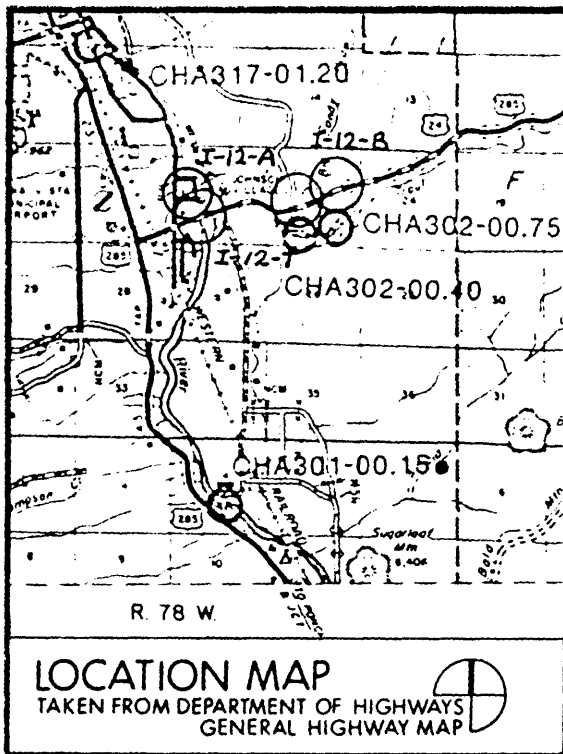
By 1937 the old Free Gold Bridge over the Arkansas River near the State Reformatory had been allowed to deteriorate to the point of replacement. The Colorado Department of Highways designed this Pratt deck truss and let the project out for bid. The construction contract was awarded to M.E. Carlson. Using steel components fabricated by the Minneapolis-Moline Power Implement Company, he completed the bridge in 1937. It features a heavily skewed riveted Pratt design, with opposing diagonals at the end panel points and steel stringer approach spans on both ends. With sub- and superstructures unaltered, the bridge has remained in continuous use and is today in excellent condition.

14. CONDITION EXCELLENT GOOD FAIR DETERIORATED RUINS

15. DANGER OF DEMOLITION? (SPECIFY THREAT) YES NO UNKNOWN

16. SIGNIFICANCE AREA OF SIGNIFICANCE: Engineering

Among the five riveted Pratt deck trusses included in the survey, the Arkansas River Bridge is the only one with a skewed configuration and is the longest-span example. Mounted high over the Arkansas River on spill-through concrete piers, it is the most visually impressive of the group - an excellent example of later highway truss design and construction.



18. LOCATED IN AN HISTORIC DISTRICT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> NAME	
19. PUBLIC ACCESSIBILITY <input type="checkbox"/> YES, LIMITED <input checked="" type="checkbox"/> YES, UNLIMITED <input type="checkbox"/> NO <input type="checkbox"/> UNKNOWN	20. EXISTING SURVEYS <input type="checkbox"/> NR <input type="checkbox"/> NHL <input type="checkbox"/> HABS <input type="checkbox"/> HAER-1 <input type="checkbox"/> HAER <input type="checkbox"/> NPS <input checked="" type="checkbox"/> STATE <input type="checkbox"/> COUNTY <input type="checkbox"/> LOCAL <input type="checkbox"/> OTHER

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

Structure Inventory and Appraisal: I-12-T. Colorado Department of Highways, Denver Colorado.

Chaffee County Commissioners' Minutes: 17 July 1895 (Book 6, page 177), 21 July 1896 (Book 6, page 239). Chaffee County Courthouse, Salida Colorado.

Dedication plate on bridge: "Colorado State Highway Department Arkansas River 1937".

Field inspection by Clayton Fraser and Carl Hallberg, 7 October 1983.

22. INVENTORIED BY Clayton Fraser and Carl Hallberg	AFFILIATION Fraserdesign Loveland Colorado	DATE 15 February 1984
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