

HABS/HAER INVENTORY

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

1. SITE I.D. NO

--	--	--	--	--	--	--	--

2. NAME(S) OF STRUCTURE
Lado Del Rio Bridge
Bridge over Piedra River
CDH: ARF50-WO.1-S151

AC01

5. ORIGINAL USE
roadway bridge

7 CLASSIFICATION
BT&A: TRUSS: STEEL

7 6 0 3

9 RATING

10. DATE
1913

3. SITE ADDRESS (STREET & NO)
County Road F50 over Piedra River
3.6 miles north of Arboles
SW¼ S28, T33N, R5W

6 PRESENT USE
roadway bridge

8 UTM ZONE EASTING NORTHING
1 3 2 8 6 2 3 0 4 1 0 5 8 0 0

11 REGION
RMRO

4. CITY/VICINITY COUNTY STATE
Arboles vicinity Archuleta Colorado

SCALE 1:24 OTHER 1:62.5
QUAD NAME Allison

12. OWNER/ADMIN ADDRESS
Archuleta County Archuleta County Courthouse P.O. Box 1507 Pagosa Springs Colorado 81147

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

Pin/rigid-connected, 6-panel steel Pratt through truss

span number: 1 end/top chrd: 2 channels w/ cover plate and lacing
span length: 115'0" bottom chord: 2 channels w/ batten plates
overall length: 120'0" vertical: 2 channels w/ lacing
overall height: 17'6" diagonal: 2 rectangular eyebars; 1 square eyebar w/turnbuckle
clearance hgt.: 13'8" flr./decking: asphalt over corrugated steel decking
roadway width: 13'6" substructure: steel pile bents w/ corrugated steel wingwalls

With financial assistance from the Colorado State Highway Commission, the Archuleta County Board of Commissioners opened competitive bids for a steel bridge on State Primary Road 15 near Pagosa Springs. The construction contract was awarded that month to the Missouri Valley Bridge Company of Leavenworth, Kansas, low bidder at \$3395. Using steel rolled by the Illinois Steel Company, Missouri Valley completed this medium-span Pratt through truss of their own design during that year. Later the highway was designated U.S. 160 and the bridge replaced and moved to this isolated crossing of the Piedra River on the Southern Ute Indian Reservation in the southern part of the county. There it remains in fair condition with superstructure unaltered other than deck replacement.

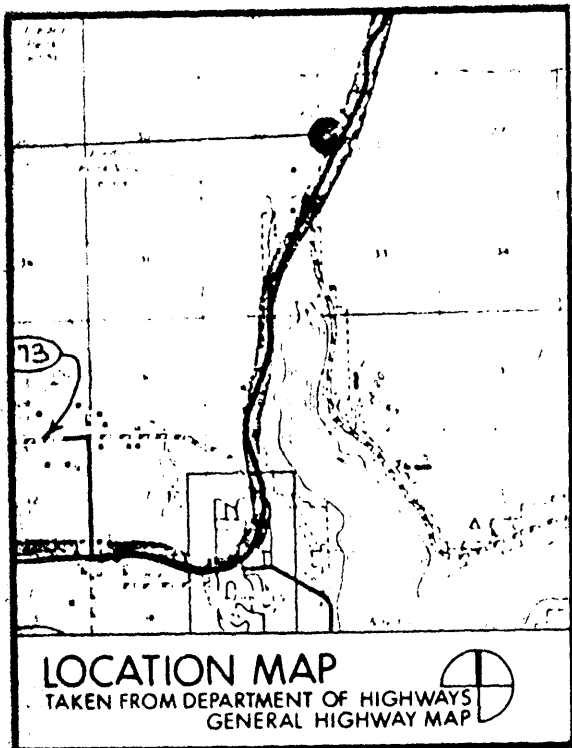
14. CONDITION EXCELLENT GOOD FAIR DETERIORATED RUINS

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

16. SIGNIFICANCE AREA OF SIGNIFICANCE: Engineering LEVEL OF SIGNIFICANCE: Local

Concurrent with the development of more portable riveting equipment, the switch from pinned connections to the inherently stronger riveted for vehicular trusses occurred in the 1910s in Colorado. The Lado Del Rio Bridge is a transitional structure, featuring elements of both pin- and riveted-connection construction, with the bottom chord rigidly joined to the verticals at the end panel points. It is the only through truss in the survey with this configuration. Historically the bridge is significant as the oldest remaining roadway truss over the Piedra River, one of few bridges left in the state erected by A.J. Tullock's Missouri Valley Bridge Company, and the earliest traceable through truss for the State Highway Commission. Technologically interesting and historically significant, it has some importance to the bridge survey.

17. PHOTOS AND SKETCH MAP OF LOCATION



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: ARF50-W0.1-S151. Colorado Department of Highways, Denver Colorado.

3rd Biennial Report of the State Highway Commission of the State of Colorado. Denver Colorado: Smith-Brooks Printing Company, 1914. pages 94-101.

Field inspection by Clayton Fraser, 5 January 1984.

22. INVENTORIED BY

Clayton Fraser and Carl Hallberg

AFFILIATION

Fraserdesign Loveland Colorado

DATE

18 January 1984