

HABS/HAER INVENTORY

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

FEB
4 1993

1. SITE I.D. NO		5. ORIGINAL USE		7. CLASSIFICATION				9. RATING	
Avondale Bridge Bridge over Arkansas River PUCO 0.42-409B		roadway bridge		BT&A: ARCH: REINFORCED CONCRETE				local	
2. NAME(S) OF STRUCTURE		3. SITE ADDRESS (STREET & NO)		6. PRESENT USE		8. UTM ZONE		10. DATE	
Avondale Bridge		County Road 327 over Arkansas River 0.3 mile north of Avondale NW¼ S9, T21S, R62W		roadway bridge		1 3		1913	
4. CITY/VICINITY		COUNTY		STATE		EASTING		11. REGION	
Avondale		Pueblo		Colorado		5 5 7 0 2 0		RMRO	
12. OWNER/ADMIN ADDRESS		SCALE		1:24		1:62.5		QUAD NAME	
Pueblo County		OTHER						Avondale	

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

Segmental, reinforced concrete Luten arch

span number: 3
span length: 89'3"(center); 83'0"(others)
overall length: 257'4"
roadway width: 19'8"

flr./decking: asphalt over earth fill; roadway arched
substructure: buttressed concrete piers w/concrete wingwall abutments
guradrails: steel pipes between concrete bulkheads

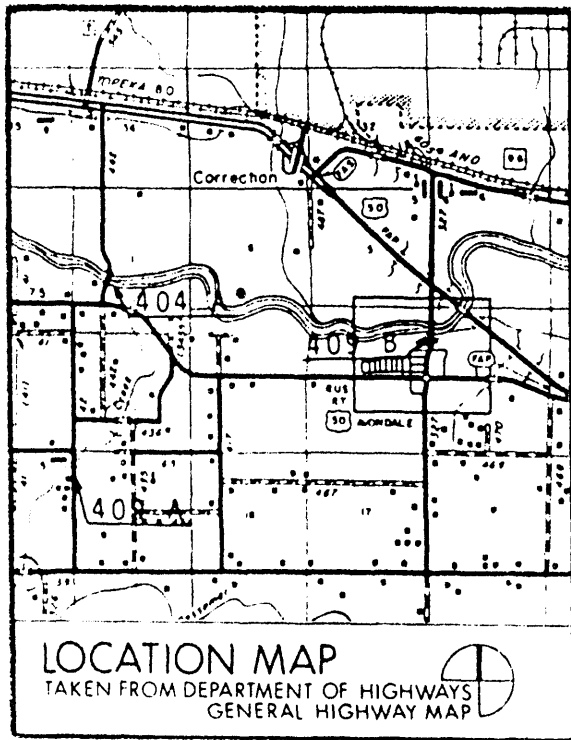
In November 1912 the Pueblo County Board of Commissioners' advertised for competitive bids on a vehicular bridge over the Arkansas River at Avondale. Proposals were received from several bridge contractors: Fox and Smith, Missouri Valley Bridge Company, Colorado Bridge and Construction Company, Patterson-Burghardt Construction Company, P.C. Croll, Whitmore Gill Engineering Company, Lee F. Williams, M.F. Levy Construction Company, Minneapolis Steel and Machinery Company, R.W. Speese and the Pueblo Bridge Company. Some submitted plans for both concrete and steel structures. Pueblo Bridge was awarded the construction contract in December for a steel bridge, but when it became apparent that the steel could not be delivered before high water in 1913, the design was changed to this three-span Luten arch. Pueblo removed the existing bridge at the crossing and completed this one early in 1913. The Avondale Bridge has functioned as a locally important roadway span since and remains structurally and architecturally intact.

14. CONDITION EXCELLENT GOOD FAIR DETERIORATED RUINS

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

16. SIGNIFICANCE AREA OF SIGNIFICANCE: Engineering

Built by Colorado's most prolific concrete roadway arch contractor, the Avondale Bridge is one of the few spans over the Arkansas River in Pueblo County which withstood the heavy spring flood of 1921. It is handsomely proportioned with the three long segmental spans and arched roadway - a representative example of early concrete vehicular bridge construction, well-preserved and structurally sound.



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: PUCO 0.42-409B. Colorado Department of Highways, Denver Colorado.

Pueblo County Commissioners' Minutes: 14 November 1912 (Book 18, page 87), 25 November 1912 (Book 18, page 106), 2 December 1912 (Book 18, page 107), 23 December 1912 (Book 18, pages 120-21), 23 June 1913 (Book 18, page 271). Pueblo County Courthouse, Pueblo Colorado.

Builder's plate on bridge: "1913 The Pueblo Bridge Co. Fred H. Bullen - President H.L. Hollister - Secretary Pueblo County Commissioners: C.S. Glascoe, R.H. Higgings, J.W. Thomson".

Field inspection by Clayton Fraser and Susan Cason, 3 February 1984.

22 INVENTORIED BY

Clayton Fraser and Carl Hallberg

AFFILIATION

Fraserdesign Loveland Colorado

DATE

8 February 1984