

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		DE01		roadway bridge		BT&A: TRUSS: STEEL				7 6 0 3		state							
3. SITE ADDRESS (STREET & NO)		19th Street over South Platte River		6. PRESENT USE						10. DATE		1888							
CDH: D-02-PR-060				roadway bridge															
3. SITE ADDRESS (STREET & NO)		19th Street over South Platte River																	
SE ¼ S28, T3S, R68W																			
4. CITY/VICINITY		COUNTY		STATE		8. UTM ZONE		EASTING		NORTHING		11. REGION							
Denver		Denver		Colorado		1 3		4 9 9 7 0 5		4 4 0 0 9 0 0		RMRO							
12. OWNER/ADMIN ADDRESS		City of Denver		City Hall 1437 Bannock		Denver Colorado 80202		SCALE		1:24		1:62.5							
								OTHER		QUAD NAME		Arvada							

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

Pin-connected, 5-panel steel Pratt through truss

span number: 2	end/top chrd: 2 channels w/ cover plate and lacing
span length: 101'0"	bottom chord: 2 rectangular eyebars
overall length: 206'0"	vertical: 2 channels w/ lacing
overall height: 19'0"	diagonal: 2 rectangular eyebars; 2 round eyebars w/ turnbuckles
clearance hgt.: 17'5"	flr./decking: asphalt over corrugated steel
roadway width: 22'6"	substructure: solid stone ashlar pier w/ stepped stone wingwalls

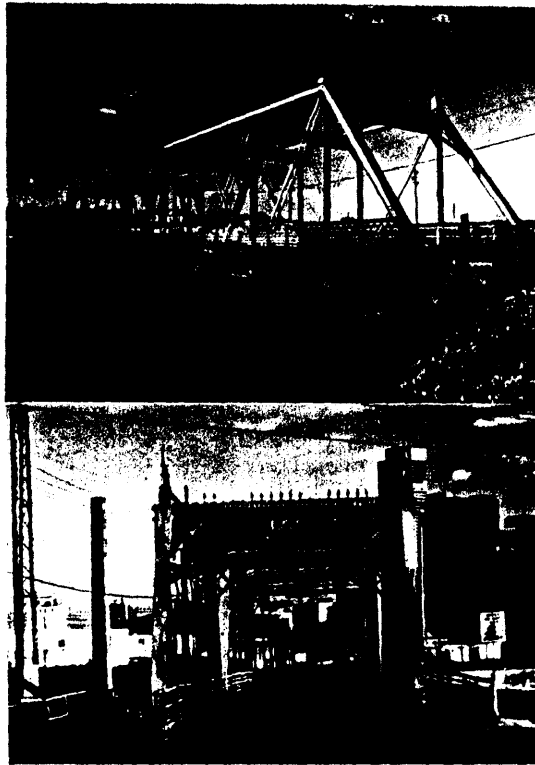
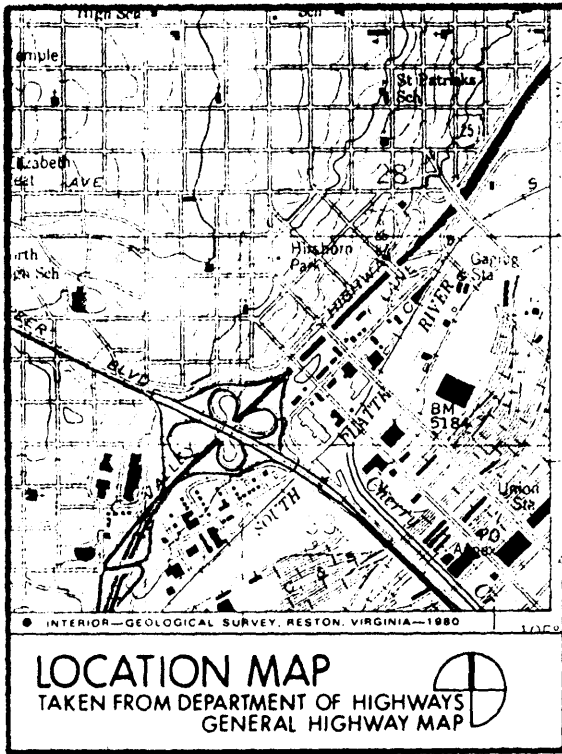
In the aftermath of flooding along the South Platte, Arapahoe County and the City of Denver began to replace damaged bridges during the autumn of 1887. The county re-erected eight timber pile crossings between October and July and the city contracted with the Missouri Valley Bridge and Iron Company of Leavenworth, Kansas, to replace the ten-year-old span across the Platte at 19th Street. This two-span Pratt through truss was erected for a total reported cost of over \$24,000 in 1888. Featuring unusually deep I-beam upper struts, latticed portals with decorative cresting and finials, and cantilevered sidewalks with cast iron newels and latticing, the bridge has stood in place since. The timber decking was replaced with corrugated steel after flooding in 1965, but it remains otherwise unaltered.

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

It was after the flood of 1878 that metal bridges - perhaps the first in the state - began being built over the Platte River in Denver. Among these earliest spans the 19th Street Bridge is the only remaining, and is the earliest original vehicular bridge in public use in Colorado. An unusually configured example of the most common early roadway truss type, it is also the most heavily ornamented among the state's trusses. The 19th Street Bridge has been altered little and is relatively well-preserved; the oldest bridge in the survey associated with A.J. Tullock's national bridge-building firm, it is one of Colorado's most significant vehicular spans.

Document of Engineering



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: D-02-PR-060. Colorado Department of Highways, Denver Colorado.

Max Woodfin. "Bridging the Years with the Old and the New in Denver," Rocky Mountain News, 23 July 1978.

"Twenty years Ago Today," Denver Times, 15 August 1898. page 4.

Arapahoe County Commissioners' Minutes: 25 October 1887 (Book 8, page 36), 16 November 1887 (Book 8, page 46), 13 December 1887 (Book 8, page 72), 9 March 1888 (Book 8, page 147), 14 June 1888 (Book 8, page 219), 9 July 1888 (Book 8, page 230), 30 July 1888 (Book 8, page 243), State Archives, Denver Colorado.

Builder's plate on bridge portal: "Built 1888 by Mo. Valley Bridge & Iron Works Leavenworth Kansas A.J. Tullock & Company Proprietors".

Field inspection by Clayton Fraser and Susan Cason, 12 November 1983.

22. INVENTORIED BY Clayton Fraser and Carl Hallberg AFFILIATION Fraserdesign Loveland Colorado DATE 1 March 1984