

HAER  
PA,  
41-MUNC.V,  
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HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

Reading-Halls Station Bridge  
Beside U.S. Route 220  
Muncy Vicinity  
Lycoming County  
Pennsylvania

HAER No. PA-55

Credit EMK: Photocopy of photograph by Edward M. Kutsch; please see individual photo captions for dates.

Credit JTL: Photograph taken by Jet Lowe, HAER Staff Photographer, January, 1984.

Credit RSA: Photocopy of photograph taken by Richard Sanders Allen, 1959.

PA-55-1: Credit JTL:  
West elevation of bridge

PA-55-2: Credit JTL:  
East elevation of bridge

PA-55-3: Credit JTL:  
Underside of south end of bridge showing deck construction and bridge abutment details

PA-55-4: Credit JTL:  
Approach to bridge from the south

PA-55-5: Credit JTL:  
View north across bridge toward Route 220

PA-55-6: Credit JTL:  
View south across bridge toward farm buildings

PA-55-7: Credit JTL:  
Oblique view of bridge trusses looking northwest from beside bridge

PA-55-8: Credit JTL:  
Detail view, six panels at south end of eastern truss, from beside bridge

- PA-55-9: Credit JTL:  
Oblique view of truss taken from bridge deck
- PA-55-10: Credit JTL:  
Oblique view, two panels of truss showing wrought iron bottom chord, cast iron joint blocks, and cast iron diagonal members
- PA-55-11: Credit JTL:  
Detail view, three panels of eastern truss from bridge deck
- PA-55-12: Credit JTL:  
Detail view, two panels at north end of western truss from bridge deck, showing end panel details; cast iron end post is missing
- PA-55-13: Credit JTL:  
Detail, orthogonal view of Egyptian Revival decorative motifs used typically at midpoints of diagonals
- PA-55-14: Credit JTL:  
Detail, oblique view of Egyptian Revival decorative motifs used typically at midpoints of diagonals
- PA-55-15: Credit JTL:  
Detail, oblique view of central panel point connection at top chord; note recess in chord bar to right of joint, and missing third (central) vertical tie rod
- PA-55-16: Credit JTL:  
Detail, oblique view of typical top chord panel point connection; detail is the same for typical bottom chord panel point connections

Photographs 17 through 23 are of a duplicate bridge once located on former Pennsylvania State Route 83 (now the southern extension of Ninth Street) where it crossed the Reading Railroad main line one mile south of Reading, Pennsylvania. This bridge was demolished in 1966, but these photos are included because the trusses are unaltered from their original eighteen-panel configuration and retain two of their original cast iron end posts.

- PA-55-17: Credit RSA; 1959:  
West elevation of bridge
- PA-55-18: Credit RSA; October, 1959:  
Oblique view taken from roadway, looking north at inside elevation of eastern truss

- PA-55-19: Credit EMK; July 1962:  
View toward southeast along Route 83, across bridge
- PA-55-20: Credit EMK; July 1955:  
Oblique view taken from roadway, looking north at inside elevation of eastern truss
- PA-55-21: Credit EMK; July 1955:  
Oblique view of south end of eastern truss, showing cast iron end post
- PA-55-22: Credit EMK; July, 1955:  
Orthogonal view taken from roadway of two panels and end post at south end of eastern truss
- PA-55-23: Credit EMK; March, 1956:  
Detail, top and cap of cast iron end post
- PA-55-24: Photocopy of photograph appearing in August, 1928 issue of the Reading Railroad Magazine. Caption reads: "Harrisburg Division--Engine & Crew On A New Bridge Along the Steelton Branch." From its appearance, this bridge (now demolished) is obviously another example of the Reading-Halls Bridge design. Note the bents used to support the trusses at points between the bridge abutments, enabling the bridge to carry loads far heavier than any it was designed to bear in the mid-nineteenth century.

Photographs 25 through 30 are photocopies of drawings of the Route 83 bridge. These drawings were produced c. 1956 by Edward M. Kutsch of Douglassville, Pennsylvania from field measurements made by him.

- PA-55-25: "CAST IRON HOWE TRUSS - CARRYING PENNA STATE HIGHWAY ROUTE #83 OVER READING CO. TRACKS - SOUTH OF READING, PENNA, Dwg. #6 - Sht. #1", dated November 20, 1956, shows partial side elevation of bridge truss, beginning at end post.
- PA-55-26: "Dwg. #6 - Sht. #2"; shows partial side elevation up to centerpoint of truss
- PA-55-27: "Dwg. #6 - Sht. #3"; shows details of cast iron diagonal members
- PA-55-28: "Dwg. #6 - Sht. #4"; shows partial views of assembled end post
- PA-55-29: "Dwg. #6 - Sht. #5"; shows details of end post, end post cap, spacer, and tie plate
- PA-55-30: "Dwg. #6 - Sht. #6"; shows joint casting details