

HISTORIC AMERICAN ENGINEERING RECORD

MASTER PROJECT RECORD

HAER-OH-5

Abbey Avenue Viaduct  
Walworth Run Valley at Abbey Avenue  
Cleveland  
Cuyahoga County  
Ohio

NOTE ON PHOTOGRAPHS: All photographs were taken by John T. "Jet" Lowe during the summer of 1978.

- OH-5-1 General view of underside of Abbey Avenue branch of the Central Viaduct (1886-1888), looking East. This bridge, like the rest of the viaduct, consists of a series of iron and steel spans, supported on iron towers resting on cut-stone foundations. The stairway visible in the photograph led from Scranton Avenue on the valley floor to the bridge deck.
- OH-5-2 General view of last remaining section of the Central Viaduct, built by the city of Cleveland as a link between the commercial district and the city's South Side. The Abbey Avenue bridge carried Abbey Avenue over Walworth Run and the tracks of the Nickel Plate and Big Four Railroads. The steel and iron bridge, 1,092 feet long, was fabricated and erected by the nationally-famous King Bridge Company of Cleveland.
- OH-5-3 View looking down deck of Abbey Avenue Viaduct to the east. Bridge floor, curbs, and railing date from a reconstruction project of 1950.
- OH-5-4 View of underside of viaduct looking east from valley floor showing the tower assemblies on which the bridge is supported.
- OH-5-5 Detail view of viaduct underside showing cut-stone tower support and pin connected Pratt deck truss.
- OH-5-6 View of Abbey Avenue Viaduct looking Northeast. The longest span of the viaduct, 120 feet in length, consists of a pin connected Pratt deck truss supported on a metal trestle.

(continued)

- OH-5-7 Abbey Avenue Viaduct, view looking north. The viaduct, with a total length of 1,092 feet, consists of 23 spans varying in length from 30 to 120 feet.
- OH-5-8 View showing concrete footings for viaduct legs.
- OH-5-9 View of viaduct showing truss support for deck
- OH-5-10 Copy of a photo of the bridge taken shortly after completion. photo courtesy the Cleveland Public Library
- OH-5-11 Drawing of viaduct plan showing a portion of the elevated roadway or bridge superstructure. Drawing courtesy of Engineering Department, City of Cleveland.
- OH-5-12 Copy of shop drawing No. 114 for 30' span (2 panels) of central viaduct, Walworth Run portion, prepared by the King Bridge and Mfg. Co., 1886. Drawing courtesy of Engineering Department, City of Cleveland.
- OH-5-13 Copy of shop drawing No. 100 for 98' Walworth Run span of the central viaduct, prepared by the King Iron Bridge and Mfg. Co., 1886. Drawing courtesy of Engineering Department, City of Cleveland.
- OH-5-14 Drawing showing stress for central viaduct, Walworth Run portion 1885. Drawing courtesy Engineering Department, City of Cleveland.

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INDEX TO PHOTOGRAPHS

Addendum to:

Abbey Avenue Viaduct

Spanning the Walworth Run Valley at Abbey Avenue,  
approximately 1 mile south of Public Square  
Cleveland

Cuyahoga County

Ohio

HAER No. OH-5

OH-5-1-OH - OH-5-14 were transmitted to the Library of Congress in 1978

Photocopies of original drawings in the collection of the City of Cleveland

- OH-5-15 STRUCTURAL DETAILS, DATED 1886
- OH-5-16 STRUCTURAL DETAILS, DATED 1887
- OH-5-17 SUBSTRUCTURE PLAN AND SECTION, DATED 1885
- OH-5-18 GIRDER AND CONNECTION DETAILS, DATED 1886
- OH-5-19 "GENERAL FLOOR BEAM FOR 135' SPAN", JUNE 22, 1887
- OH-5-20 SUPERSTRUCTURE PLAN AND SECTION
- OH-5-21 FOUNDATION FOR STAIRS AT SCRANTON AVENUE
- OH-5-22 PLAN OF WEST ABUTMENT AS BUILT
- OH-5-23 METHOD OF SUPPORT OVER SEWER
- OH-5-24 STRAIN SHEET OF TOWERS, 1885
- OH-5-25 "OCCUPATION" PLAN, 1886
- OH-5-26 STRAIN SHEET OF TRUSSES
- OH-5-27 GENERAL PLAN OF STAIRWAY AT SCRANTON AVENUE
- OH-5-28 DETAIL PLAN OF STAIRWAY AT SCRANTON AVENUE
- OH-5-29 STRAIN SHEET OF TOWERS, 1886
- OH-5-30 STAIRWAY, 1888 (PLAN AND SECTIONS)