

HISTORIC AMERICAN ENGINEERING RECORD
INDEX TO PHOTOGRAPHS

HAER
NJ,
7-NEWARK
18-

Jackson Street Bridge
spanning the Passaic River at Jackson Street
Between the City of Newark, Essex County,
and the Township of Harrison, Hudson County,
New Jersey

HAER No. NJ-54

Photographer:

(views 1,2,4-8, 11-17, 21,23) Thomas R. Flagg August 17, 1985
(views 3, 9-10, 18-20,22) Gerald Weinstein September 20, 1985

See Photo Views Plan Sheet, page 15 of data

- NJ-54-1 GENERAL VIEW TO NORTHWEST WITH ONE SOUTH APPROACH SPAN,
BRIDGE CLOSED
- NJ-54-2 VIEW TO NORTHWEST OF SWING AND FIXED SPANS, BRIDGE CLOSED
- NJ-54-3 GENERAL VIEW TO NORTHWEST, BRIDGE OPEN
- NJ-54-4 VIEW WEST OF SOUTH APPROACH
- NJ-54-5 VIEW SOUTHEAST OF SOUTH APPROACH
- NJ-54-6 VIEW NORTH OF SOUTH PORTAL OF MOVABLE SPAN
- NJ-54-7 VIEW NORTH OF FIXED SPAN
- NJ-54-8 VIEW NORTH OF CONTROL HOUSE, BRIDGE CLOSED
- NJ-54-9 VIEW SOUTHWEST OF NORTH GATEHOUSE, BRIDGE OPEN
- NJ-54-10 VIEW NORTH OF MOVABLE SPAN UPPER MEMBERS, FROM CONTROL
HOUSE, BRIDGE CLOSED
- NJ-54-11 VIEW NORTH OF NORTH HALF OF MOVABLE SPAN AND ALL OF FIXED
SPAN FROM CONTROL HOUSE ROOF, BRIDGE CLOSED
- NJ-54-12 DETAIL VIEW NORTH OF CONTROL HOUSE AND AIR TANKS,
BRIDGE OPEN
- NJ-54-13 DETAIL VIEW NORTH OF MOVABLE SPAN CENTER, BRIDGE OPEN
- NJ-54-14 DETAIL VIEW NORTH OF MOVABLE SPAN SUPPORT AT MID-SPAN,
BRIDGE OPEN

(Continued)

Jackson Street Bridge
HAER No. NJ-54 (Page 2)
Index to Photographs

- NJ-54-15 VIEW NORTH OF MOVABLE SPAN CLOSING, WITH JACK AND MOTOR UNDER SPAN
- NJ-54-16 DETAIL VIEW WEST OF MOVABLE SPAN SUPPORT AND SWING MECHANISM ON CENTRAL PIER, BRIDGE CLOSED
- NJ-54-17 DETAIL VIEW EAST OF ORIGINAL WOOD BLOCK PAVEMENT, NEAR SOUTH GATEHOUSE
- NJ-54-18 DETAIL VIEW WEST (BRIDGE CLOSED) OF CONTROL HOUSE INTERIOR; BOILERS AT LEFT, STEAM ENGINE AT RIGHT
- NJ-54-19 DETAIL VIEW EAST (BRIDGE CLOSED) OF CONTROL HOUSE INTERIOR
- NJ-54-20 DETAIL VIEW EAST OF MOVABLE SPAN FLOOR BEAMS, BRIDGE OPEN
- NJ-54-21 VIEW NORTHEAST OF FIXED SPAN AND ABUTMENT
- NJ-54-22 DETAIL VIEW NORTHEAST INSIDE TURNTABLE
- NJ-54-23 DETAIL VIEW WEST OF TURNTABLE GEARS, PINIONS, AND ROLLERS
- NJ-54-24 THROUGH NJ-54-55: Photocopies made from original blueprints filed with the New Jersey Department of Transportation, Trenton, New Jersey.
- NJ-54-24 GENERAL PLAN OF BRIDGE OVER PASSAIC RIVER, SECTION 1, SOUTH APPROACH & SWING SPAN
- NJ-54-25 GENERAL PLAN OF BRIDGE OVER PASSAIC RIVER, SECTION 2, SWING SPAN AND NORTH SPAN
- NJ-54-26 GENERAL PLAN OF BRIDGE OVER PASSAIC RIVER, SECTION 3, NORTH APPROACH
- NJ-54-27 NEWARK BRIDGE
18-M-29
Plan of False Work for 170 ft. Span
- NJ-54-28 170'-0" FIXED SPAN
18-M-32
Diagram of 170' Fixed Span
- NJ-54-29 DRAW SPAN. BRIDGE OVER PASSAIC RIVER
18-M-82; Sheet No. 1
Details of Top Chords U0-U3, T1
Scale 1"=1'; February 1897

(Continued)

- NJ-54-30 DRAW SPAN. BRIDGE OVER PASSAIC RIVER
18-M-83; Sheet No. 2
Details of Top Chords U4-U6, T1
Scale 1"=1'; February 1897
- NJ-54-31 DRAW SPAN. BRIDGE OVER PASSAIC RIVER
18-M-84; Sheet No. 3
Details of Top Chords U6-U9, T2
Scale 1"=1'; February 1897
- NJ-54-32 DRAW SPAN. BRIDGE OVER PASSAIC RIVER
18-M-85; Sheet No. 4
Details of Top Chords U10-U13, T4
Scale 1"=1'; February 1897
- NJ-54-33 DRAW SPAN - PASSAIC RIVER - NEWARK
18-M-86; Sheet No. 5
Details of Lower Chords L0-L7, L1 and L2
Scale 1"=1'
- NJ-54-34 NEWARK BRIDGE DRAW SPAN
18-M-87; Sheet No. 6
Details of Lower Chords L8-L13, L3 and L4
Scale 1"=1'; March 1897
- NJ-54-35 DRAW SPAN - PASSAIC RIVER - NEWARK
18-M-88; Sheet No. 7
Details of Top Laterals and Struts
Scale 1"=1'; February 1897
- NJ-54-36 DRAW SPAN - PASSAIC RIVER - NEWARK
18-M-89; Sheet No. 8
Details of Top Struts
Scale 1"=1'; February 1897
- NJ-54-37 DRAW SPAN - PASSAIC RIVER - NEWARK
18-M-90; Sheet No. 9
Details of Portal Struts and Brackets; P, B1 and B2
Scale 1"=1'; February 1897
- NJ-54-38 NEWARK BRIDGE DRAW SPAN
18-M-107; Sheet No. 30
Full Size Layout of Rack and Pinion
- NJ-54-39 DRAW SPAN OVER PASSAIC RIVER
18-M-108; Sheet No. 31
Detail of Center Spider Frame
Scales 1" and 3" = 1'; January 1897

(Continued)

- NJ-54-40 DRAW SPAN OVER PASSAIC RIVER
18-M-109; Sheet No. 32
Erection Diagram for Center Spider Frame
January 1897
- NJ-54-41 DRAW SPAN OVER PASSAIC RIVER
18-M-110; Sheet No. 34
Details of Center Casting and Steel Ring
Scale 1-1/2"=1'; February 1897
- NJ-54-42 DRAW SPAN OVER PASSAIC RIVER
18-M-111; Sheet No. 35
Details of Struts and Drum Radial Center Ring
Scale 1"=1'; February 1897
- NJ-54-43 NEWARK BRIDGE DRAW SPAN
18-M-112; Sheet No. 40
Details of Drum Girders
Scale 1"=1'; February 1897
- NJ-54-44 BRIDGE OVER PASSAIC RIVER
18-M-127; Sheet No. 56
Erection Plan for Draw Span Floor System
- NJ-54-45 NEWARK BRIDGE APPROACH. 1ST PLATE GIRDER SPAN
18-M-135; Sheet No. 64
Details of End Segments
Scale 1"=1'; April 1897
- NJ-54-46 NEWARK BRIDGE
18-M-140; Sheet No. 69
General Plan of Operating Machinery for Draw Span
Scale 1/2"=1'; May 1897
- NJ-54-47 DRAW SPAN OVER PASSAIC RIVER
Drawing No. 54
General Details of Wedge Operating Machinery for
Draw Span
Scale 1-1/2"=1'; April 1897
- NJ-54-48 PORTALS FOR NEWARK BRIDGE
18-M-144; Sheet No. 73
Details of Portals
Scale 1"-1'; July 1897
- NJ-54-49 NEWARK BRIDGE DRAW SPAN
18-M-155; Sheet No. 84
Machinery House Floor Detail
Scale 1/2"=1'

(Continued)

- NJ-54-50 NEWARK BRIDGE DRAW SPAN
18-M-156; Sheet No. 85
Machinery House Elevation and Section
Scale 1/2"=1'
- NJ-54-51 STRAIN SHEET FOR DRAW SPAN
18-M-162.
- NJ-54-52 GENERAL DRAWING OF DRAW SPAN
- NJ-54-53 18-M-163; No. 894; Elevation View
Scale 3/8"=1'
- NJ-54-54 MOTORHOUSE FOR BRIDGE OVER PASSAIC RIVER
18-M-166; Plan, Elevation and Section Views
Scale 1/4"=1'
- NJ-54-55 DRAW SPAN TRUSS GEOMETRY
18-M-167

Bulkhead Line

North Abutment

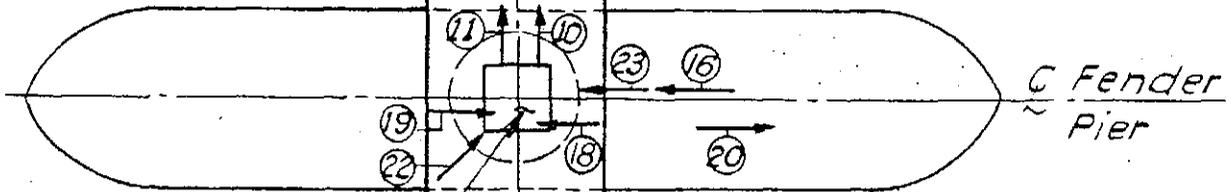
PASSAIC RIVER



PHOTO VIEWS
PLAN SHEET
Scale: 1" = 60'



North Quarter Pier



Fender Pier

Control House



South Quarter Pier

Bulkhead Line

LEGEND:

⊕ = NJ-54-#

Pier 3

Pier 2

RAYMOND

BLVD