

HAER
NY
61-PORT

HISTORIC AMERICAN ENGINEERING RECORD

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Erie Railway: Buffalo Division, Bridge 361.66 HAER No. NY-54
(Portage Viaduct)
Spanning Genesee River Valley 0.6 mi. W of State Rt. 436
Portageville Portageville,
Wyoming County 17.742160.4717900
New York

Documentation: 5 aerial photos (1971)
2 photocopies of photos of the original and second
bridge, 19th century

Photos Nos. NY-54-1 to 5 taken by Jack Boucher, July 1971

- NY-54-1 GENERAL VIEW OF THE BRIDGE
- NY-54-2 GENERAL VIEW OF THE BRIDGE, CLOSER
- NY-54-3 VIEW OF TRAIN TRACKAGE ON BRIDGE
- NY-54-4 VIEW OF TRAIN TRACKAGE AND PIERS
- NY-54-5 DETAIL VIEW OF PIERS

Photocopies:

- NY-54-6 PHOTOCOPY OF 19th CENTURY PHOTO OF THE ORIGINAL BRIDGE,
courtesy of Erie Railway Company
- NY-54-7 PHOTOCOPY OF JULY 31, 1875 PHOTO OF TRIAL RUN OF THE
SECOND BRIDGE, courtesy of Erie Railway Company

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ADDENDUM TO:
ERIE RAILWAY, BUFFALO DIVISION, BRIDGE 361.66
(Portage Viaduct)
Genesee River, State Route 436
Portageville vicinity
Wyoming County
New York

HAER NY-54

Photographs HAER NY-54-1 through NY-54-7 were previously transmitted to the Library of Congress.

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Michael Froio, photographer, April 2015

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| NY-54-8 | Distant view of viaduct in showing context of Letchworth State Park; from Inspiration Point, looking southwest. |
| NY-54-9 | General contextual view showing from Middle Falls of the Genesee River; looking south. |
| NY-54-10 | North side of viaduct at Upper Falls showing towers (left to right) C, D and E; looking southwest. |
| NY-54-11 | North side of viaduct at Upper Falls, showing towers (left to right) B, C, D and E; looking south. |
| NY-54-12 | Oblique view from east end of viaduct with Norfolk Southern freight train passing over. New concrete east abutment is in foreground. Genesee River Gorge west rim is in distance. Trees to the south of viaduct have been cleared for new bridge construction; looking northwest. |
| NY-54-13 | View across viaduct deck from east abutment, showing (outside to inside) railings, pedestrian walkway decks, ties, rails, and guide rails; looking northwest. |
| NY-54-14 | Oblique view of south side of viaduct; looking northwest. |
| NY-54-15 | Oblique view of south side of viaduct, showing towers (left to right) F, E, D, and C; and masonry piers for bents (from left to right) 10, 9, and 8; looking northwest. |
| NY-54-16 | Oblique view of south side of viaduct, showing towers (left to right) F, E, C and D (partial); and masonry piers for bents (left to right) 10, 9, and 8; looking northwest. |

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- NY-54-17 Oblique view of south side of viaduct, showing towers (left to right) E through A; looking east.
- NY-54-18 Oblique view of south side of viaduct, showing span 11 (deck truss) at left, and towers (left to right) F, E, D and C (partial), looking northeast.
- NY-54-19 Oblique view of south side and underside of viaduct, showing span 11 (deck truss) at upper left, and towers (left to right) E through A and masonry pier for bent 8 at lower right, looking east.
- NY-54-20 Broadside view of south side of west of viaduct, showing (left to right), bent 12, span 7 (deck girder), tower F over park access road, and span 6 (deck truss) over Gorge Trail, looking north.
- NY-54-21 Detail of south side of west end of viaduct, showing tower F over park access road. Note masonry pier for original 1851 wood trestle tower incorporated in roadway's west retaining wall in center; looking north.
- NY-54-22 Oblique view of north side of viaduct from west abutment, showing tower F over Letchworth State Park access road including posts, struts, diagonal bracing and concrete pier of bent 12, looking southeast.
- NY-54-23 Longitudinal view along underside of viaduct from east end, showing tower 2 struts and bracing in foreground, looking northwest.
- NY-54-24 Detail view of underside of span 1 deck girder, showing lateral bracing and detail of top of bent 1, looking west.
- NY-54-25 Single perspective view of tower E, showing posts, struts, sway bracing, and deck structure, looking up from top of pier.
- NY-54-26 Detail view of tower D, bent 8, south post, showing bottom of post and pier bearing, strut and sway brace connections, and 1875 construction date, looking northeast.
- NY-54-27 Detail view of tower D, bent 8, north post, showing bottom of post and pier bearing, and strut connections, looking north.
- NY-54-28 Detail view of tower D, bent 8, center post, showing bottom of post and pier bearing, and strut connections, and sway brace connections, looking northeast.
- NY-54-29 View of south side of viaduct from east bank of Genesee River Gorge, showing (front to back) piers 8,9, and 10; shotcrete-stabilized west gorge wall, masonry pier for original 1851 wood trestle; and railing for the Gorge Trail; and west abutment; looking northwest.
- NY-54-30 Detail view of south side of viaduct from east bank of Genesee River Gorge, showing (front to back) pier 8 and part of tower D, piers 9 and 10 with base of tower E. Note modern catwalk between piers, looking northwest.

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- NY-54-31 Detail view under tower D, pier 7, showing exposed fire-damaged masonry from original 1851 pier; looking southeast.
- NY-54-32 Detail view of east abutment showing east end of span 1 deck girder resting on 1875 stone abutment with modern concrete alterations, looking north.

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