

Channel Sections



Photograph 1 – Erie Canal land-cut section at Allens Bridge Road, town of Albion, Orleans County



Photograph 2 – Erie Canal, Fairport, Monroe County

Channel Sections



Photograph 3 – Erie Canal, Deep Cut west of Lockport, Niagara County
1825 towpath on grass covered ledge



Photograph 4 – Erie Canal, Oak Orchard Creek Aqueduct, Medina, Orleans County

Locks



Photograph 5 - Erie Canal Lock E2, Waterford, Saratoga County

Eastern gateway to the Erie Canal and the Waterford Flight. Three stone lock chambers of the old Champlain Canal's Waterford Side Cut, on right, serve as a bypass spillway.



Photograph 6 - Erie Canal Lock E14, Palatine Bridge, Montgomery County

Lock adjacent to Mohawk River movable dam. Note gasoline-electric powerhouse on raised bank and concrete "cabins" at corners of lock to protect electrical machinery from floods.

Mohawk River Movable Dams



Photograph 7 – Erie Canal - Movable Dam, Lock E14, Palatine Bridge, Montgomery County
Uprights and gates lowered during navigation season to form pool above the lock



Photograph 8 - Erie Canal - Movable Dam, Lock E14, Palatine Bridge, Montgomery County
Gates and uprights raised during winter to pass floodwater, ice, and debris.

Mohawk River Movable Dams



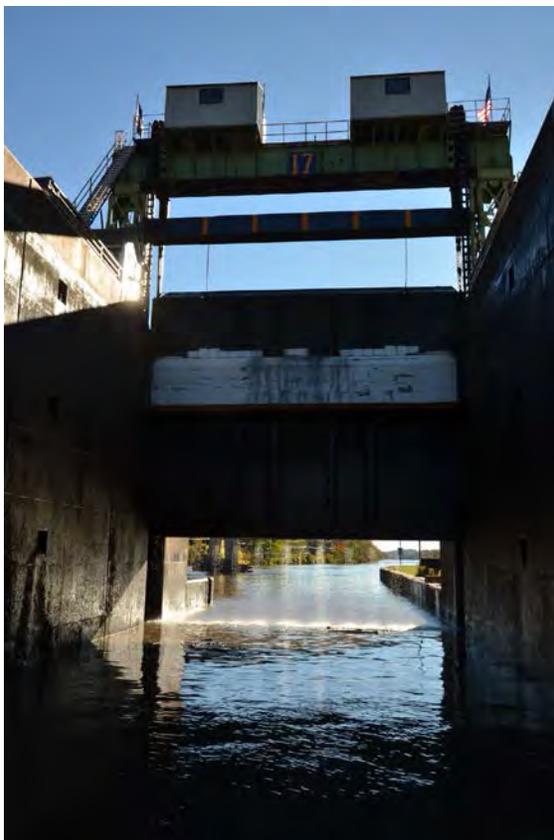
Photograph 9 - Erie Canal Lock E9, Rotterdam, Schenectady County
Downstream view of movable dam gate panels, uprights, hoisting chains, and electric "mule"

Lock E17, Little Falls



Photograph 10 - Erie Canal Lock E17, Little Falls, Herkimer County

View from downstream. E17 has a 40.5' lift, the highest on the system and the highest in the world at the time of construction



Photograph 9 - Erie Canal Lock E17, Little Falls, Herkimer County

View from inside chamber. E17 is the only shaft lock on the system, with a vertically sliding downstream gate rather than the usual pair of swinging mitre gates.

Locks

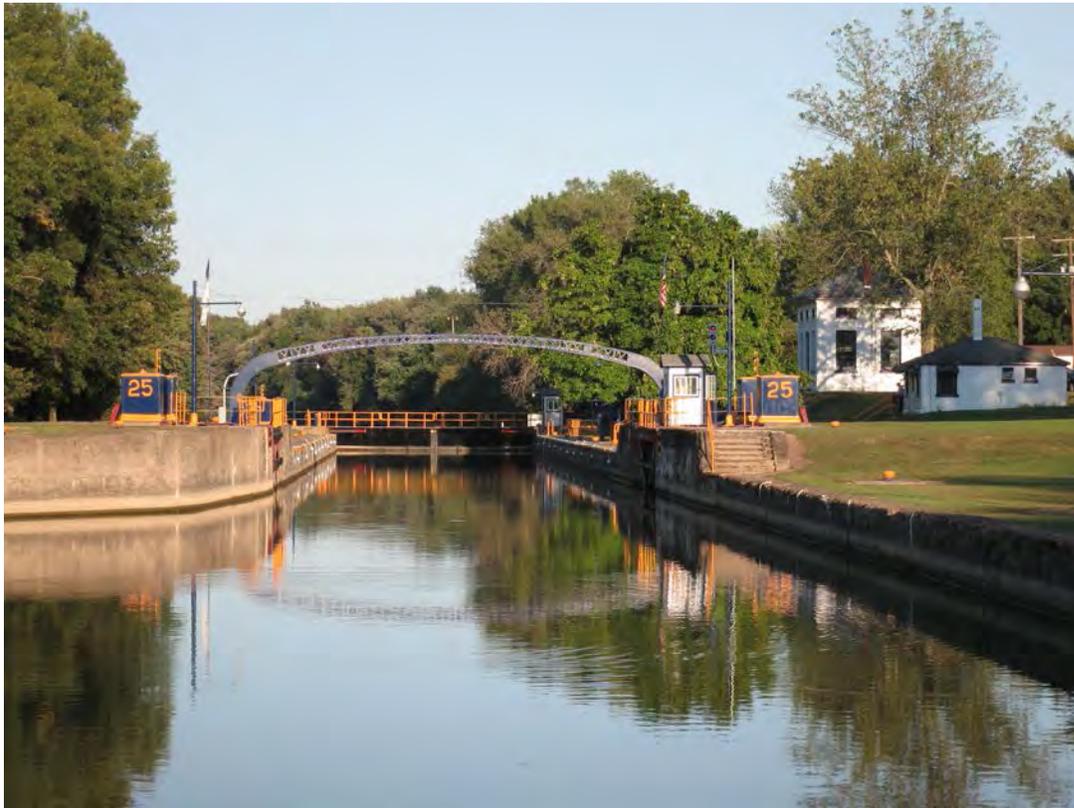


Photograph 10 - Erie Canal Lock E19, Schuyler, Herkimer County



Photograph 11 - Erie Canal, Lock E24, Baldwinsville, Onondaga County

Locks



Photograph 12 – Erie Canal, Lock E25 Mays Point, Seneca County



Photograph 13 – Erie Canal, Lock E27, Lyons, Wayne County

Lock Machinery



Photograph 14 – Erie Canal, Lock E29, Palmyra, Wayne County
Gate operating machinery (foreground) Valve operating machinery behind



Photograph 15 – Erie Canal, Lock E29, Palmyra, Wayne County
Gate and Valve Control Stand

Lockport Flight



Photograph 16 – Erie Canal, Locks E34 and E35, Lockport Flight, Lockport, Niagara County

View from downstream. Barge Canal locks on left, north staircase of the 1842 Lockport on right, former hydroelectric powerhouse at center. The five stone chambers of the 1842 flight (locks 67-72) are maintained as bypass spillway.



Photograph 17 - - Erie Canal, Lock E35, Lockport Flight, Lockport, Niagara County

Lock Powerhouses – Hydroelectric



Photograph 18 – Erie Canal, Lock E18, Jacksonburg, Herkimer County – Powerhouse exterior



Photograph 19 - – Erie Canal, Lock E18, Jacksonburg, Herkimer County – Hydroelectric generators and governors

Lock Powerhouses – Gasoline-Electric



Photograph 20 - Erie Canal, Lock E15, Fort Plain, Montgomery County – Gasoline-electric generators & panel

Lockhouses



Photograph 21 – Erie Canal, Lock E32, Pittsford, Monroe County
One of the few locks to have a lockhouse before 1921



Photograph 22 – Oswego Canal, Lock O5, Minetto, Oswego County
Typical lockhouse built during the late 1950s

Storehouses



Photograph 23 – Champlain Canal, Lock C2, Town of Halfmoon, Saratoga County
Typical windowless hip-roofed concrete storehouse with triangular ventilating dormers



Photograph 24 – Erie Canal, Lock E4, Waterford, Saratoga County
Storehouses at locks E4 and E6 of the Waterford flight were of similar form and dimensions as others on the system but featured windows and decorative rafter-tails.

Guard Gates



Photograph 25 - Erie Canal, Bushnells Basin Guard Gate, Town of Perinton, Monroe County



Photograph 26 - Erie Canal, Castle Creek Guard Gate, Indian Castle, Town of Danube, Herkimer County
One leaf up, one down

Guard Gates & Guard Locks



Photograph 27 – Champlain Canal – Crocker Reef Guard Gate, Town of Fort Edward, Washington County
M.V. Day Peckinpugh with little room to spare

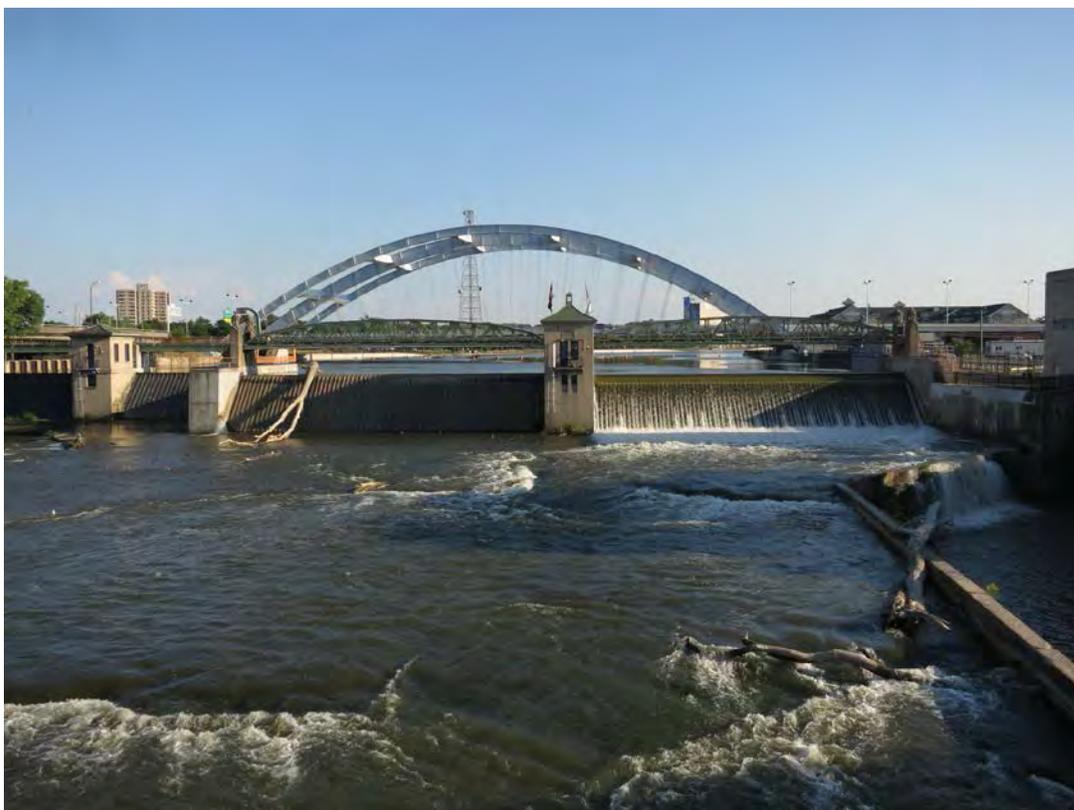


Photograph 28 – East Guard Lock, Genesee Crossing, Rochester, Monroe County

Other Movable Dam Types



Photograph 29 - Cayuga-Seneca Canal, Taintor Gate Dam at Lock CS-4, Waterloo, Seneca County



Photograph 30 - Erie Canal, Genesee Arm, Court Street Sector Dam, Rochester, Monroe County

Fixed Dams & Retention Dams



Photograph 31 – Oswego Canal, Fixed Crest Dam, Lock O-5, Minetto, Oswego County



Photograph 32 – Champlain Canal - East Creek Retention Dam, Town of Fort Ann, Washington County

Lift Bridges



Photograph 33 – Erie Canal, Washington Street Lift Bridge, Adams Basin, Town of Ogden, Orleans County – down – view from west looking east



Photograph 34 - - Erie Canal, Washington Street Lift Bridge, Adams Basin, Town of Ogden, Orleans County – raised

Lift Bridges



Photograph 35 – Erie Canal, Main Street Lift Bridge, Albion, Orleans County – raised – view from west looking east



Photograph 36 - Erie Canal, Main Street Lift Bridge, Albion, Orleans County – detail of north lifting frame

LIFT BRIDGE CONTROL TOWERS



Photograph 37 – Erie Canal, Prospect Street Lift Bridge, Median, Orleans County – concrete operator's tower



Photograph 38 – Erie Canal, East Avenue Lift Bridge, Holley, Orleans County – wood operator's tower

Fixed Road Bridges



Photograph 39 – Erie Canal, Beals Road Bridge (E-207), Town of Ridgeway, Orleans County –
Typical double-intersection Warren truss over land-cut channel with reinforced concrete piers and approaches.



Photograph 40 – Bonta Road Bridge, Towns of Brutus and Cato, Cayuga County
Spanning Seneca River portion of Erie Canal

Railroad and Pedestrian Bridges



Photograph 41 – New York Central – West Shore Railroad Bridge over Erie Canal, Town of Montezuma, Cayuga County

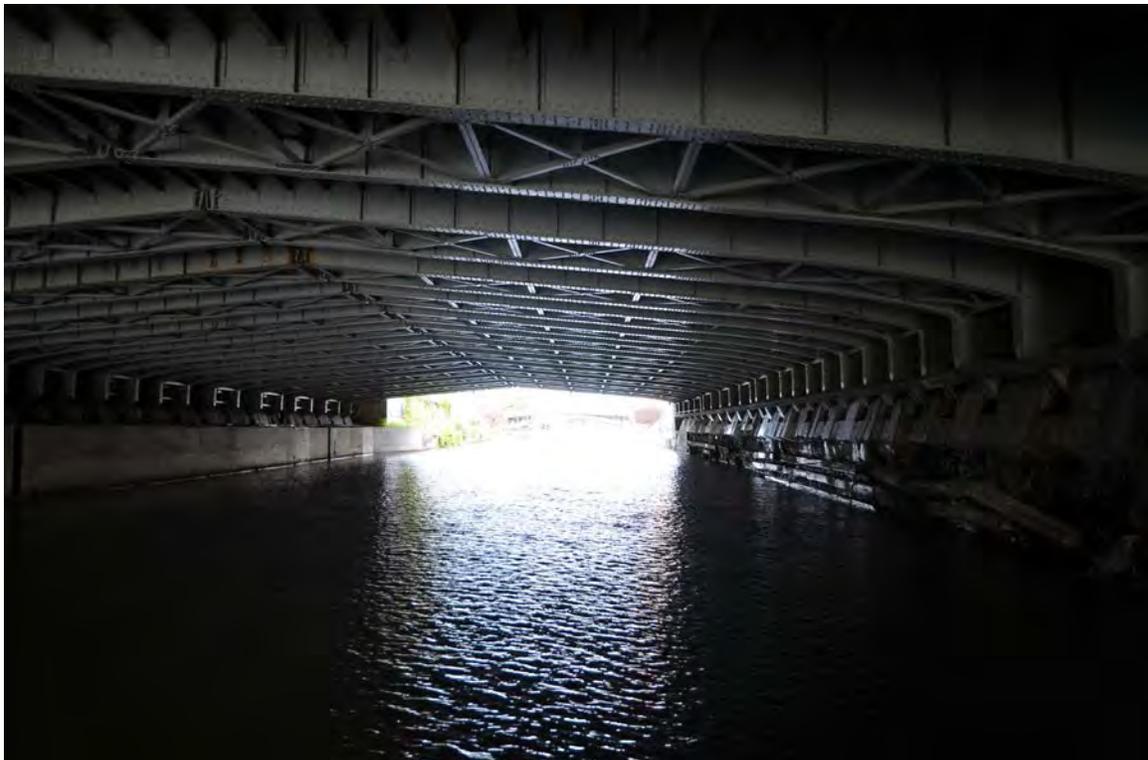


Photograph 42 – Erie Canal, Pedestrian Bridges, Genesee Valley Park, Rochester, Monroe County

Main Street Bridge, Lockport



Photograph 43 – Erie Canal, Main Street Bridge, Lockport, Niagara County.
Three-hinge steel arch.



Photograph 44 - Erie Canal, Main Street Bridge, Lockport, Niagara County.

Canal Shops & Drydocks



Photograph 47 - Erie Canal, Waterford Drydock & State Shop, Waterford, Saratoga County



Photograph 45 – Erie Canal, Pittsford Shops, Pittsford, Monroe County

Terminal Freighthouses



Photograph 46 – Erie Canal, Little Falls Terminal, Little Falls, Herkimer County

Misc. Structures



Photograph 47 – Erie Canal, Rotterdam, Schenectady County.
Concrete barges, built for U.S. Railroad Administration during World War I, scuttled above Lock E9 to form upstream approach wall extension ca. 1927. Visible during winter draw-down.

NEW YORK STATE BARGE CANAL**Page 12 - 1**

United States Department of the Interior, National Park Service

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Channel Sections

- 0001. Erie Canal land-cut section at Allens Bridge Road, town of Albion, Orleans County (August 2013)
- 0002. Erie Canal, Fairport, Monroe County – view looking west from Parker Street bridge toward Main Street lift bridge (September 2010)
- 0003. Erie Canal, Deep Cut west of Lockport, Niagara County - 1825 towpath on grass covered ledge (October 2008)
- 0004. Erie Canal, Oak Orchard Creek Aqueduct, Medina, Orleans County (July 2009)

Locks

- 0005. Erie Canal Lock E2, Waterford, Saratoga County - Eastern gateway to the Erie Canal and the Waterford Flight. Three stone lock chambers of the old Champlain Canal's Waterford Side Cut, on right, serve as a bypass spillway. (July 2013)
- 0006. Erie Canal Lock E14, Palatine Bridge, Montgomery County - Lock adjacent to Mohawk River movable dam. Note gasoline-electric powerhouse on raised bank and concrete "cabins" at corners of lock to protect electrical machinery from floods. (October 2012)

Mohawk River Movable Dams

- 0007. Erie Canal - Movable Dam, Lock E14, Palatine Bridge, Montgomery County - Uprights and gates lowered during navigation season to form pool above the lock (September 2011)
- 0008. Erie Canal - Movable Dam, Lock E14, Palatine Bridge, Montgomery County Gates and uprights raised during winter to pass floodwater, ice, and debris. (April 2012)
- 0009. Erie Canal Lock E9, Rotterdam, Schenectady County - Downstream view of movable dam gate panels, uprights, hoisting chains, and electric "mule" (October 2012)

Lock E17, Little Falls

- 0010. Erie Canal Lock E17, Little Falls, Herkimer County – View from downstream. E17 has a 40.5' lift, the highest on the system and the highest in the world at the time of construction. (September 2012)
- 0011. Erie Canal Lock E17, Little Falls, Herkimer County - View from inside chamber. E17 is the only shaft lock on the system, with a vertically sliding downstream gate rather than the usual pair of swinging mitre gates. (October 2013)

Locks

- 0012. Erie Canal Lock E19, Schuyler, Herkimer County (October 2012)
- 0013. Erie Canal, Lock E24, Baldwinsville, Onondaga County (March 2012)
- 0014. Erie Canal, Lock E25 Mays Point, Seneca County (September 2012)
- 0015. Erie Canal, Lock E27, Lyons, Wayne County (July 2012)

NEW YORK STATE BARGE CANAL**Page 12 - 2**

United States Department of the Interior, National Park Service

National Register of Historic Places Registration Form

Lock Machinery

0016. Erie Canal, Lock E29, near Palmyra, Wayne County - Gate operating machinery (foreground) Valve operating machinery behind (October 2011)
0017. Erie Canal, Lock E29, Palmyra, Wayne County - Gate and Valve Control Stand (September 2012)

Lockport Flight

0018. Erie Canal, Locks E34 and E35, Lockport Flight, Lockport, Niagara County - View from downstream – Barge Canal locks on left, north staircase of the 1842 Lockport on right, former hydroelectric powerhouse at center. The five stone chambers of the 1842 flight (locks 67-72) are maintained as bypass spillway. (August 2011)
0019. Erie Canal, Lock E35, Lockport Flight, Lockport, Niagara County (May 2012)

Lock Powerhouses – Hydroelectric

0020. Erie Canal, Lock E18, Jacksonburg, Herkimer County – Powerhouse exterior (October 2011)
0021. Erie Canal, Lock E18, Jacksonburg, Herkimer County – Hydroelectric generators and governors (October 2011)

Lock Powerhouses – Gasoline-Electric

0022. Erie Canal, Lock E15, Fort Plain, Montgomery County – Gasoline-electric generators & panel (October 2012)

Lockhouses

0023. Erie Canal, Lock E32, Pittsford, Monroe County - One of the few locks to have a lockhouse before 1921 (September 2010)
0024. Oswego Canal, Lock O5, Minetto, Oswego County - Typical lockhouse built during the late 1950s (October 2012)

Storehouses

0025. Champlain Canal, Lock C2, Town of Halfmoon, Saratoga County - Typical windowless hip-roofed concrete storehouse with triangular ventilating dormers (October 2013)
0026. Erie Canal, Lock E4, Waterford, Saratoga County - Storehouses at locks E4 and E6 of the Waterford flight were of similar form and dimensions as others on the system but featured windows and decorative rafter-tails. (June 2009)

Guard Gates

0027. Erie Canal, Bushnells Basin Guard Gate, Town of Perinton, Monroe County (October 2011)
0028. Erie Canal, Castle Creek Guard Gate, Indian Castle, Town of Danube, Herkimer County - One leaf up, one down (October 2013)
0029. Champlain Canal – Crocker Reef Guard Gate, Town of Fort Edward, Washington County *M.V. Day Peckinpaugh* passes with little room to spare (August 2009)

NEW YORK STATE BARGE CANAL**Page 12 - 3**

United States Department of the Interior, National Park Service

National Register of Historic Places Registration Form

Guard Locks

0030. East Guard Lock, Genesee Crossing, Rochester, Monroe County (July 2009)

Other Movable Dam Types

0031. Cayuga-Seneca Canal, Taintor Gate Dam at Lock CS-4, Waterloo, Seneca County (September 2011)

0032. Erie Canal, Genesee Arm, Court Street Sector Dam, Rochester, Monroe County (July 2012)

Fixed Dams & Retention Dams

0033. Oswego Canal, Fixed Crest Dam, Lock O-5, Minetto, Oswego County (October 2012)

0034. Champlain Canal - East Creek Retention Dam, Town of Fort Ann, Washington County (October 2013)

Lift Bridges

0035. Erie Canal, Washington Street Lift Bridge, Adams Basin, Town of Ogden, Orleans County – down – view from west looking east (August 2012)

0036. Erie Canal, Washington Street Lift Bridge, Adams Basin, Town of Ogden, Orleans County – raised (August 2012)

0037. Erie Canal, Main Street Lift Bridge, Albion, Orleans County – raised – view from west looking east (August 2013)

0038. Erie Canal, Main Street Lift Bridge, Albion, Orleans County – detail of north lifting frame (August 2013)

Lift Bridge Control Towers

0039. Erie Canal, Prospect Street Lift Bridge, Median, Orleans County – concrete operator's tower (August 2013)

0040. Erie Canal, East Avenue Lift Bridge, Holley, Orleans County – wood operator's tower (September 2010)

Fixed Road Bridges

0041. Erie Canal, Beals Road Bridge (E-207), Town of Ridgeway, Orleans County – Typical double-intersection Warren truss over land-cut channel with reinforced concrete piers and approaches (July 2012)

0042. Bonta Road Bridge, Towns of Brutus and Cato, Cayuga County, spanning Seneca River portion of Erie Canal (March 2012)

Railroad Bridges

0043. New York Central – West Shore Railroad Bridge over Erie Canal, Town of Montezuma, Cayuga County (September 2012)

Pedestrian Bridges

0044. Erie Canal, Pedestrian Bridges, Genesee Valley Park, Rochester, Monroe County (September 2010)

NEW YORK STATE BARGE CANAL**Page 12 - 4**

United States Department of the Interior, National Park Service

National Register of Historic Places Registration Form

Main Street Bridge, Lockport

0045. Erie Canal, Main Street Bridge, Lockport, Niagara County - Three-hinge steel arch. (August 2013)
0046. Erie Canal, Main Street Bridge, Lockport, Niagara County – “Widest Bridge in the World” from below (August 2013)

Canal Shops & Drydocks

0047. Erie Canal, Waterford Drydock & State Shop, Waterford, Saratoga County (March 2014)
0048. Erie Canal, Pittsford Shops, Pittsford, Monroe County (August 2013)

Terminal Freighthouse

0050. Erie Canal, Little Falls Terminal and Freighthouse, Little Falls, Herkimer County (October 2011)

Misc. Structures

0050. Erie Canal, Rotterdam, Schenectady County - Concrete barges, built for U.S. Railroad Administration during World War I, scuttled above Lock E9 to form upstream approach wall extension ca. 1927. Visible during winter draw-down. (February 2012)

NEW YORK STATE BARGE CANAL

United States Department of the Interior, National Park Service

Figures - Page - 1

National Register of Historic Places Registration Form

List of Figures

Historic photos from the collections of New York State Archives, Albany, NY

Figure 1 – Tug *Geo. E. Lattimer* leaving Lock E17 with a tow, September 15, 1921, Erie Canal, Lock E17, Little Falls, Herkimer County

Rock Cuts

Figure 2 Erie Canal, carving the “Deep Cut” above Lock E6, Waterford, Saratoga County, August 25, 1910 (Contract 11)

Figure 3 – Deep Cut completed, Waterford, Saratoga County, September 28, 1922

Figure 4 - Erie Canal, "Grab Machine" Deep Cut, Rochester, Monroe County, ca. 1909 (Contract 6)

Figure 5 - Deep Cut completed, Rochester, Monroe County, July 22, 1921

Excavators

Figure 6 – Erie Canal, excavator working on the “Anthony Cut” west of Oneida Lake, Onondaga County, May 26, 1908 (Contract 12)

Figure 7 – Erie Canal, Lubecker Machine, used to widen existing channels, near Sylvan Beach, Oneida County, October 1, 1906 (Contract 4)

Dredges

Figure 8 – Erie Canal, Dipper Dredge Hurricane widening the “State Ditch” west of Baldwinsville, Onondaga County, June 7, 1909 (Contract 5)

Figure 9 – Erie Canal, Hydraulic Dredge Ontario with cutters raised, near Montezuma, Cayuga County, September 1906 (Contract 5)

Figure 10 – Erie Canal, hydraulic dredge Oneida, east of Sylvan Beach, Oneida County, November 1, 1906 (Contract 4)

Lock Construction

Figure 11 - Erie Canal, Lock E5, Waterford, Saratoga County – lock filling tubes placed before first concrete pour, August 1907 (Contract 11)

Figure 12 – Erie Canal, Lock E7, Niskayuna, Schenectady County – north lock wall segments cast around filling tubes, September 1, 1908 (Contract 11)

NEW YORK STATE BARGE CANAL

United States Department of the Interior, National Park Service

Figures - Page - 2

National Register of Historic Places Registration Form

Figure 13 – Erie Canal, Lock E5, Waterford, Saratoga County –October 28, 1908 (Contract 11)
Concrete lock walls and core for earthen dam nearly complete. Lock floor remains to be poured.

Figure 14 - Erie Canal, Locks E4, E5, and E6 of the Waterford Flight, Waterford, Saratoga County, ca. 1917

Mohawk River Movable Dams

Figure 15 – Erie Canal, Lock E11, Amsterdam, Montgomery County, June 21, 1911

Figure 16 – Erie Canal, Lock E12, Tribes Hill, Montgomery County, June 21, 1921

Figure 17 – Erie Canal, movable dam at Lock E8, Rotterdam, Schenectady County, 1930s (DPW)

Figure 18 - Gate hoisting “mule” on Mohawk River movable dam, Lock E15, Amsterdam, Montgomery County, ca. 1917

Lock E17

Figure 19 – Erie Canal, Lock E17, Little Falls, Herkimer County, 1930s (DPW)

Figure 20 - Erie Canal, Lock E17, Little Falls, Herkimer County, 1930s (DPW)

View from Moss Island looking southeast. Note mid-level pool in in background, built to conserve water

Cayuga-Seneca Canal Locks

Figure 21 – Cayuga-Seneca Canal, Locks CS-2&3, Seneca Falls, Seneca County, August 5, 1921

Figure 22 – Cayuga-Seneca Canal, Lock CS-4, Waterloo, Seneca County

Locks on the Cayuga-Seneca Canal were initially fitted with timber mitre gates and have guard gates at their upstream ends.

Rochester Area Locks

Figure 23 – Erie Canal, Lock E32, Pittsford, Monroe County, August 3, 1921

Locks E32 and E33 are among the few locks on the system that had lockhouses dating to original construction. The hip-roofed lockhouse at E32, seen here on the right side of the chamber, survives, although the hip-roofed water tower that appears behind it is gone.

Figure 24 – Erie Canal, East Guard Lock, Rochester, Monroe County, July 21, 1921

Lockport

Figure 25 – Erie Canal, excavation above Lock E35, Lockport, Niagara County, January 16, 1911 (Contract 67) View looking west from Pine Street bridge.

NEW YORK STATE BARGE CANAL

United States Department of the Interior, National Park Service

Figures - Page - 3

National Register of Historic Places Registration Form

Figure 26 – Erie Canal, Lock E34 at lower end of Lockport Flight, Lockport, Niagara County, June 13, 1913 (Contract 67)

The stone chambers and timber gates of Enlarged Erie Locks 67-72 remained in service throughout construction of Barge Canal Locks E34 and E35 and were subsequently modified to serve as a bypass spillway.

Figure 27 –Erie Canal, Lock E35, Lockport, Niagara County. ca. 1917

View looking east from Main Street bridge. Pine Street bridge and old City Hall in background.

Lock Powerhouses

Figure 28 – Erie Canal, Powerhouse, Lock E28B, Newark, Wayne County, October 1, 1913 (Contracts 76 & 94) Note reuse of old shanty from nearby Enlarged Erie lock 59

Figure 29 – Erie Canal, one of two hydroelectric generating units and governors in powerhouse, Lock E28B, Newark, Wayne County, June 9, 1920 (contract 94)

Vischer Ferry Dam

Figure 30 – Erie Canal/Mohawk River, Vischer Ferry Dam at Lock E7, towns of Clifton Park, Saratoga County and Niskayuna, Schenectady County, November 14, 1908 (Contract 14)

View looking north from lock site.

Figure 31 – Vischer Ferry Dam, towns of Clifton Park, Saratoga County and Niskayuna, Schenectady County, August 31, 1921. View looking south, across Goat Island, to Lock E7 in the distance.

Crescent Dam

Figure 32 - Erie Canal/Mohawk River, Crescent Dam, towns of Waterford, Saratoga County and Colonie, Albany County, October 13, 1909 (contract 14). View looking from Waterford toward Colonie

Figure 33 – Partially completed Crescent Dam during flood, March 3, 1910

Delta Dam

Figure 34 – Delta Dam construction, Rome, Oneida County, September 21, 1911 (Contract 55)

Figure 35 – Delta Dam, Rome, Oneida County, August 22, 1912 (Contract 55)

Concrete aqueduct and flight of locks, built to carry the Black River Canal across the Mohawk River and past Delta Dam are visible in foreground and along right (east) bank.

Figure 36 – Delta Dam, Rome, Oneida County, August 9, 1921

Medina Aqueduct

Figure 37 – Erie Canal, Oak Orchard Creek Aqueduct, Medina, Orleans County, May 5, 1922

NEW YORK STATE BARGE CANAL

United States Department of the Interior, National Park Service

Figures - Page - 4

National Register of Historic Places Registration Form

Road Bridges

Figure 38 – East Street Bridge over Champlain Canal, Fort Edward, Washington County, October 4, 1911 (Contract 27-A)

The State Engineer's office developed this design for reinforced concrete piers and approach slabs that was widely used along land-cut sections of the Barge Canal. Reportedly, it cost about 25% less than conventional abutments.

Figure 39 - East Street Bridge over Champlain Canal, Fort Edward, Washington County, June 26, 1912 (Contract 27-A)

Double-intersection Warren trusses were erected at many locations across the Barge Canal. The configuration is not common outside New York.

Figure 40 – Comparison of Enlarged Erie and Barge Canal bridge heights and channel widths. River Road Bridge, Mindenville, Montgomery County, July 20, 1910. (Channel Contract 18, Bridge Contract 13)

Figure 41 – Genesee Valley Park pedestrian bridges over Erie Canal, Rochester, Monroe County, August 3, 1921

Lift Bridges

Figure 42 – Erecting steel, Main Street lift bridge over Erie Canal, Middleport, Niagara County, April 26, 1915 (Contract 67)

Figure 43 - Main Street lift bridge and control tower, Middleport, Niagara County, July 7, 1915 (Contract 67)

Figure 44 – Main Street Lift Bridge over Erie Canal, Brockport, Monroe County, July 30, 1915 (Contract 61)

Bascule Bridges

Figure 45 - Bridge Street bascule bridge crossing Oswego Canal Lock O-1, Phoenix, Oswego County, June 15, 1922

Figure 46 – Railroad bascule bridge crossing Erie Canal, North Tonawanda, Niagara County, July 21, 1921

Terminal Freighthouses

Figure 47 – Erie Canal, terminal freighthouse, Little Falls, Herkimer County, June 21, 1921

Figure 48 – Erie Canal, Terminal freighthouse, Ilion, Herkimer County, June 22, 1921

NEW YORK STATE BARGE CANAL

United States Department of the Interior, National Park Service

Figures - Page - 5

National Register of Historic Places Registration Form

Canal Shops

Figure 49 – Erie Canal, State Shop under construction, Waterford, Saratoga County, October 30, 1922

Figure 50 – Erie Canal – State Shop, Utica, Oneida County, 1930s (DPW)
Constructed with WPA assistance, 1933

Navigation Aids

Figure 51 –Lighthouse, north bank of Erie Canal/Oneida River, Brewerton, Oswego County, June 23, 1921

Workers

Figure 52 – Barge Canal construction crew, east of Lyons, Wayne County, ca. 1917

Figure 53 – Barge Canal Construction Camp, Rome vicinity, Oneida County, April 6, 1910 (Contract 44)

Maps

Figure 54 – “Map and Profile showing limits and designations of contracts”

Figure 55 – “Map of the Barge Canal and Connected Waterways “ (1920)

Selections from the *Book of Plans*.

In 1920 the office of state engineer and surveyor published a large-format *Book of Plans* that highlighted both typical and unique structures on the recently completed Barge Canal system.¹

Waterford Flight

Figure 56 - “High Lift Locks and Short Levels, Waterford to Crescent” (Plate 3)

Figure 56 - Crescent Dam – “Fixed Dam in Canalized River – Gravity Type with Long Spillway” (Plate 49)

Channel Sections

Figure 57 - “Typical Channel Sections, Prism Wall, Concrete Trough, and Bank Protection” (Plate 2)

Locks

Figure 58 - “Typical Lock Plans – Pile Foundation” (Plate 5 – C7 Fort Edward)

Figure 59 - “Lock Operating Equipment” (Plate 41 – Lock E7 Niskayuna)

Lock Powerhouses

Figure 60 - “Typical Hydro-Electric Plant: General Plan of Building” (Plate 45)

Figure 61 - “Typical Hydro-Electric Power-Plant – Horizontal-Shaft Generator” (Plate 46)

Figure 62 - “Typical Hydro-Electric Power-Plant – Vertical-Shaft Generator” (Plate 47)

¹ *Book of Plans of the New York State Barge Canal: Issued as a Supplement to the Annual Report of the Department of the State*

NEW YORK STATE BARGE CANAL

United States Department of the Interior, National Park Service

Figures - Page - 6

National Register of Historic Places Registration Form

Movable Dams

Figure 63 - "Movable Dam – Bridge Type" (Plate 55)

Figure 64 - "Movable Dam – Sector Gate and Bridge Types" (Plate 61 – Court Street Dam, Rochester)

Figure 65 - "Movable Dam – Taintor Gate Type" (Plate 75)

Water Control Structures

Figure 66 - "Siphon Spillway in Bypass" (Plate 92)

Figure 67 - "Waste Weir and Gates" (Plate 95)

Figure 68 - "Stream Entrance – Retention Dam and Entrance Channel" (Plate 96 – Reals Creek Retention Dam, Utica)

Oak Orchard Creek Aqueduct, Medina

Figure 69 -- "Devious Route Around Deep Gorge – Medina" (Plate 4)

Figure 70 -- "Reinforced Concrete Aqueduct – Plans, Elevations and Cross-Sections" (Plate 97)

Figure 71 -- "Reinforced Concrete Aqueduct – Miscellaneous Details" (Plate 99)

Bridges:

Figure 72 - Main Street Bridge, Lockport - "Three-Hinge Steel Arch Bridge" (Plate 107)

Lift Bridges

Figure 73 - "Lift Bridge – General Drawing" (Plate 137)

Figure 74 - "Lift Bridge – General Drawing – Plan and Pit Sections" (Plate 136)

Lighthouses

Figure 75 - Verona, Frenchman Island & Brewerton Lighthouses - "Navigation Aids – Concrete Lighthouse Tower" (Plate 152)

Culverts

Culvert Road, Medina – "Highway Culvert – Arch Type – Stone Masonry" (Plate 100)

"Through Culvert – Semicircular Type – Plain Concrete" (Plate 101)

"Dive Culvert – Horseshoe Type – Reinforced Concrete" (Plate 105)

Irondequoit Embankment – Pittsford "Through Culvert – Double Box Type – Reinforced Concrete (Plate 102)

Reservoir Dams

Delta Dam – "Fixed Dam for Storage Reservoir – All Masonry – Gravity Type (Plate 50)

Hinckley Reservoir Dam - "Fixed Dam for Storage Reservoir – Gravity Type – Earth and Masonry (Plate 50)