

ElevationSpan1Left.20.JPG



F2CrossedSpan1LeftDownstream.20.JPG



F2CrossedSpan1RightUpstream.20.JPG



FramingSpan1.20.JPG



TopOfDeck.JPG



WingWallBeginRight.20.JPG



WingWallEndRight.20.JPG



**New York State Department of Transportation
Yellow Flag 7B21N6W021**

By: Russell P. Dunderdale
Flag Date: December 03, 2021

Superseding Information:
No Flags Superseded

Structure Information

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Orientation: 2 - NORTHEAST

Region: 07 - WATERTOWN

County: JEFFERSON

Political Unit: Town of HOUNSFIELD

Approximate Year Built: 1954

Posted Load Matches Inventory : Yes

Bridge Load Posting (Tons) : Code 88 - No Vehicles with R Permits

Primary Owner: New York State Department of Transportation

Primary Maintenance Responsibility: New York State Department of Transportation

Typical or Main Span Type: 3 - Steel, 10 - Truss - Thru

This Bridge is not a Ramp

Number of Spans: 1

Verbal Notification Information

Person Notified: Jeffrey Grill

Date: December 03, 2021 11:00:00 AM

Of: NYSDOT

Signature Information

Signature: Russell P. Dunderdale, P.E. 074648-1

Date: December 06, 2021

Reviewed By: William Dritz

Date: December 07, 2021

Attachments: 8

Flagged Elements

Parent Element	Element	Total Quantity	Unit
<i>Span Number : 1</i>			
	120 - Steel Truss	360	ft

Flagged Condition Description

Background: The superstructure consists of a welded steel truss with overhead bracing (flag photo 1). The bottom chords of both trusses were retrofitted in the past with a steel tension rod system. The concrete filled steel deck is supported by stringers and floorbeams (flag photo 2). Floorbeams and truss nodes are numbered starting with 0 at the begin abutment bearings and ending with 8 at the end abutment bearings. Floorbeam hangers (i.e., truss vertical members) exist at the odd panel points. Vertical truss members at the even panel points are minor compression ("0 force") members. The span length is 180 feet. The width of the deck from curb to curb is 24 feet. There is a sidewalk on the outside of the left truss. This flag was issued after discussion with the Region and the QC Engineer.

2021 Flag Conditions:

Right truss vertical member L04-U04 has 10% (estimated) inner (left) flange section loss, 30% outer (right) flange section loss, and up to 100% web loss below the elevation of the top of the floorbeam. The total section loss for the member below the top of the floorbeam is 41% (flag photos 3 through 6).

See Right Truss L04-U04 Section Loss Sketch.

Significance: The lower portion of this minor compression ("zero force") member is connected to the floorbeam and transmits the vertical floorbeam loads to the truss diagonal members (U03-L04 and L04-U05) through the gusset plates (flag photo 6).

Mitigating Conditions: The bridge is posted for "No Trucks with R Permits" (flag photo 7). The floorbeam is connected to the inner (left) flange of right truss vertical member L04-U04. The inner (left) flange of L04-U04 has 10% (estimated) section loss where it is connected to the floorbeam. The inner gusset plates at L04 have 10% to 15% section loss. The outer gusset plates at right truss L04 have been repaired (flag photo 5) in response to Red Flag 7B21N6W016.

Flag Photographs

Photo Number: 1

Photo Filename: **Flag 01_Left Elevation from**



Attachment Description: Left Elevation from Beginning

Photo Number: 2

Photo Filename: **Flag 02_Underside of Superstructure from**



Attachment Description: Underside of Superstructure from Begin

Photo Number: 3

Photo Filename: Flag 03_Lower Portion of Right Truss Vertical



Attachment Description: Lower Portion of Right Truss Vertical L04-U04_from Begin

Photo Number: 4

Photo Filename: **Flag 04_Lower Portion of Right Truss Vertical**



Attachment Description: Lower Portion of Right Truss Vertical L04-U04 from End

Photo Number: 5

Photo Filename: Flag 05_Right Truss at L04 from Right_21_



Attachment Description: Right Truss at L04 from Right

Photo Number: 6

Photo Filename: Flag 06_Begin Face of Floorbeam 4 Connection to



Attachment Description: Begin Face of Floorbeam 4 Connection to Right Truss L04

Photo Number: 7

Photo Filename: **Flag 07_Begin Approach_21_DSCN4836.JPG**



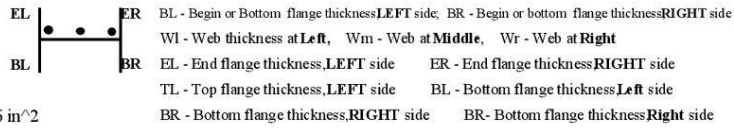
Attachment Description: Begin Approach

Photo Number: 8

Photo Filename: Flag 08_21_Right Truss L04-U04 Section Loss

BIN 3338900

SECTION LOSS DOCUMENTATION:



A = 15.6 in²
 Section Size: W12 x 53 Flg. Width: 9.995 Flg. thickness: 0.575 Beam hgt. 12.060 Web thick.: 0.345

Location ***L04-U04 Right Truss Below T/Floorbeam Elevation											SECTION LOSS SUMMARY				
Date	By	LEFT Flange			Web				RIGHT Flange			LEFT Flange	RIGHT Flange	Web	Total
		BL	holes	EL	WI	Wm	Wr	holes	BR	holes	ER				
12/3/21	RPD	---	0.000	---	0.000	0.000	0.000	12.06	0.40	0.00	0.40	EST 10%	30%	100%	41%

Section Size: _____ Flg. Width: _____ Flg. thickness: _____ Beam hgt. _____ Web thick.: _____

Location											SECTION LOSS SUMMARY				
Date	By	LEFT Flange			Web				RIGHT Flange			LEFT Flange	RIGHT Flange	Web	Total
		BL	holes	EL	WI	Wm	Wr	holes	BR	holes	ER				

Section Size: _____ Flg. Width: _____ Flg. thickness: _____ **Beam hgt. _____ Web thick.: _____

Location											SECTION LOSS SUMMARY				
Date	By	LEFT Flange			Web				RIGHT Flange			LEFT Flange	RIGHT Flange	Web	Total
		TL	holes	BL	WI	Wm	Wr	holes	TR	holes	BR				

Section Size: _____ Flg. Width: _____ Flg. thickness: _____ Beam hgt. _____ Web thick.: _____

Location											SECTION LOSS SUMMARY				
Date	By	LEFT Flange			Web				RIGHT Flange			LEFT Flange	RIGHT Flange	Web	Total
		BL	holes	TL	WI	Wm	Wr	holes	BR	holes	TR				

*** - Minor Compression or "Zero Force Member"

Attachment Description: Right Truss L04-U04 Section Loss Sketch

**New York State Department of Transportation
Red Flag 7B21N6W016**

By: Russell P. Dunderdale
Flag Date: November 16, 2021

Superseding Information:
No Flags Superseded

Structure Information

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Orientation: 2 - NORTHEAST

Region: 07 - WATERTOWN

County: JEFFERSON

Political Unit: Town of HOUNSFIELD

Approximate Year Built: 1954

Posted Load Matches Inventory : Yes

Bridge Load Posting (Tons) : Code 88 - No Vehicles with R Permits

Primary Owner: New York State Department of Transportation

Primary Maintenance Responsibility: New York State Department of Transportation

Typical or Main Span Type: 3 - Steel, 10 - Truss - Thru

This Bridge is not a Ramp

Number of Spans: 1

Verbal Notification Information

Person Notified: Jeffrey Grill

Date: November 16, 2021 11:45:00 AM

Of: NYSDOT

Signature Information

Signature: Russell P. Dunderdale, P.E. 074648-1

Date: November 17, 2021

Reviewed By: William Dritz

Date: November 17, 2021

Attachments: 4

Flagged Elements

Parent Element	Element	Total Quantity	Unit
<i>Span Number : 1</i>			
	162 - Steel Gusset Plate	22	each

Flagged Condition Description

Background: The superstructure consists of a welded steel truss with overhead bracing (flag photo 1). The bottom chords of both trusses were retrofitted in the past with a steel tension rod system. The concrete filled steel deck is supported by stringers and floorbeams (flag photo 2). Floorbeams and truss nodes are numbered starting with 0 at the begin abutment bearings and ending with 8 at the end abutment bearings. The span length is 180 feet. The width of the deck from curb to curb is 24 feet. There is a sidewalk on the outside of the left truss.

2021 Flag Conditions: The right truss outer gusset plates at L04 have heavy section loss with perforations. This is a new flag with no flags superseded.

NOTE: The vertical and bottom chord truss members at L04 are directly connected to each other via welds with individual plates welded BETWEEN the members (as compared to traditional gusset plate design which JOINS truss members). The diagonal truss members, are, however, welded to the separate "gusset plates" in a traditional manner.

Begin Outer Gusset Plate at L04:

The begin outer gusset plate at L04 (Right Truss) has approximately 52% section loss including a 1/2 inch perforation in a plane perpendicular to diagonal member U03-L04 located approximately 5 inches from the bottom of the diagonal member (flag photo 3).

The begin outer gusset plate at L04 has approximately 30% section loss in the plane along the begin side of vertical member L04-U04.

The begin outer gusset plate at L04 has approximately 29% section loss in the plane along the top of the bottom chord.

End Outer Gusset Plate at L04:

The end outer gusset plate at L04 (Right Truss) has approximately 61% section loss including a 2-inch diameter perforation in a plane perpendicular to diagonal member L04-U05 located approximately 5 inches from the bottom of the diagonal member (flag photo 3).

The end outer gusset plate at L04 has approximately 33% section loss in the plane along the end side of vertical member L04-U04.

See Gusset Plate Section Loss Sketch.

Significance: The affected gusset plates serve to connect the diagonal members of the truss with the bottom chord. Should the plates fail along the band of section loss in tension (tear-out) or compression (buckling) the integrity of the panel point will be compromised.

Mitigating Conditions: The begin inner gusset plate at L04 on the right truss has estimated general section loss of up to 5%.

The end inner gusset plate at L04 on the right truss has estimated general section loss of 10%.

Additional Information: The end outer gusset plate at L04 has approximately 13% section loss in the plane along the top of the bottom chord.

Flag Photographs

Photo Number: 1

Photo Filename: 01_Left Elevation from Beginning_21_DSCN5549.



Attachment Description: Left Elevation from Begin

Photo Number: 2

Photo Filename: 02_Underside of Superstructure from



Attachment Description: Underside of Superstructure from Begin

Photo Number: 3

Photo Filename: 03_Right Truss at L04_21_DSCN5573.JPG



Attachment Description: Right Truss at L04 from Right

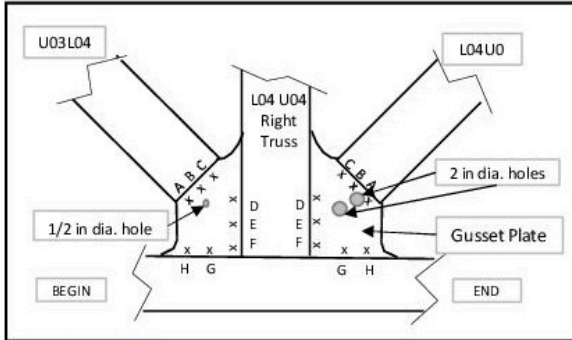
Photo Number: 4

Photo Filename: 21_Gusset Plate Section Loss.jpg

BIN: 3338900

DATE: 11/16/2021

GUSSET PLATE SECTION LOSS:



Original Gusset Plate Thickness = 5/16"

Original Area Along Plane Perpendicular to Diagonal Mbr:

$15 \times 0.313 = 4.695 \text{ in}^2$

Remaining Area Perpendicular to Diagonal Mbr:

Begin: $(15 - 0.5) \times 0.156 = 2.262 \text{ in}^2$

End: $(15 - 2) \times 0.142 = 1.846 \text{ in}^2$

NOT TO SCALE

Begin Outer Gusset Plate @L04

LOCATION	A	B	C	D	E	F	G	H	Section Loss
Plane Perpendicular to Diagonal Member	0.144	0.201	0.123						52% including 1/2" hole
Plane along Vertical Member			0.123	0.196	0.269	0.29			30%
Plane along Top of Bottom Chord						0.29	0.188	0.189	29%

End Outer Gusset Plate @L04

LOCATION	A	B	C	D	E	F	G	H	Section Loss
Plane Perpendicular to Diagonal Member	0.233	0.06	0.133						61% including 2" holes
Plane along Vertical Member			0.133	0.225	0.227	0.252			33%
Plane along Top of Bottom Chord						0.252	0.282	0.283	13%

Attachment Description: Gusset Plate Section Loss Sketch

**New York State Department of Transportation
Yellow Flag 7B2095W004**

By: Jeff Grill
Flag Date: October 27, 2020

Superseding Information:
No Flags Superseded

Structure Information

BIN: 3338900
Feature Carried: 971HX
Feature Crossed: BLACK RIVER
Orientation: 2 - NORTHEAST
Region: 07 - WATERTOWN
County: JEFFERSON
Political Unit: Town of HOUNSFIELD
Approximate Year Built: 1954
Posted Load Matches Inventory : Yes
Bridge Load Posting (Tons) : Code 88 - No Vehicles with R Permits
Primary Owner: New York State Department of Transportation
Primary Maintenance Responsibility: New York State Department of Transportation
Typical or Main Span Type: 3 - Steel, 10 - Truss - Thru
This Bridge is not a Ramp
Number of Spans: 1

Verbal Notification Information

Person Notified: Not Contacted
Date:
Of:

Signature Information

Signature: Jeff Grill, P.E. 074670-1
Date: October 29, 2020
Reviewed By: Anthony Marzano
Date: October 29, 2020

Attachments: 5

Flagged Elements

Parent Element	Element	Total Quantity	Unit
<i>Span Number : 1</i>			
	830 - Secondary Members	1	each

Flagged Condition Description

Red Flag 7B20M8W027 was removed based on repairs made by Bridge Maintenance. Small angle-iron bolsters were lagged to the side of the deck to support the intermediate sidewalk floor beams.

Yellow flag being issued due to the heavy deterioration of the Steel C-Channel at left deck fascia that remains. Steel Channel at left deck fascia typically has heavy deterioration throughout bridge length.

Flag Photographs

Photo Number: 1

Photo Filename: 1.jpg



Attachment Description: Lt. Sidewalk fascia C-Channel @ Sidewalk Floor Beam # From L00, looking Rt.

Photo Number: 2

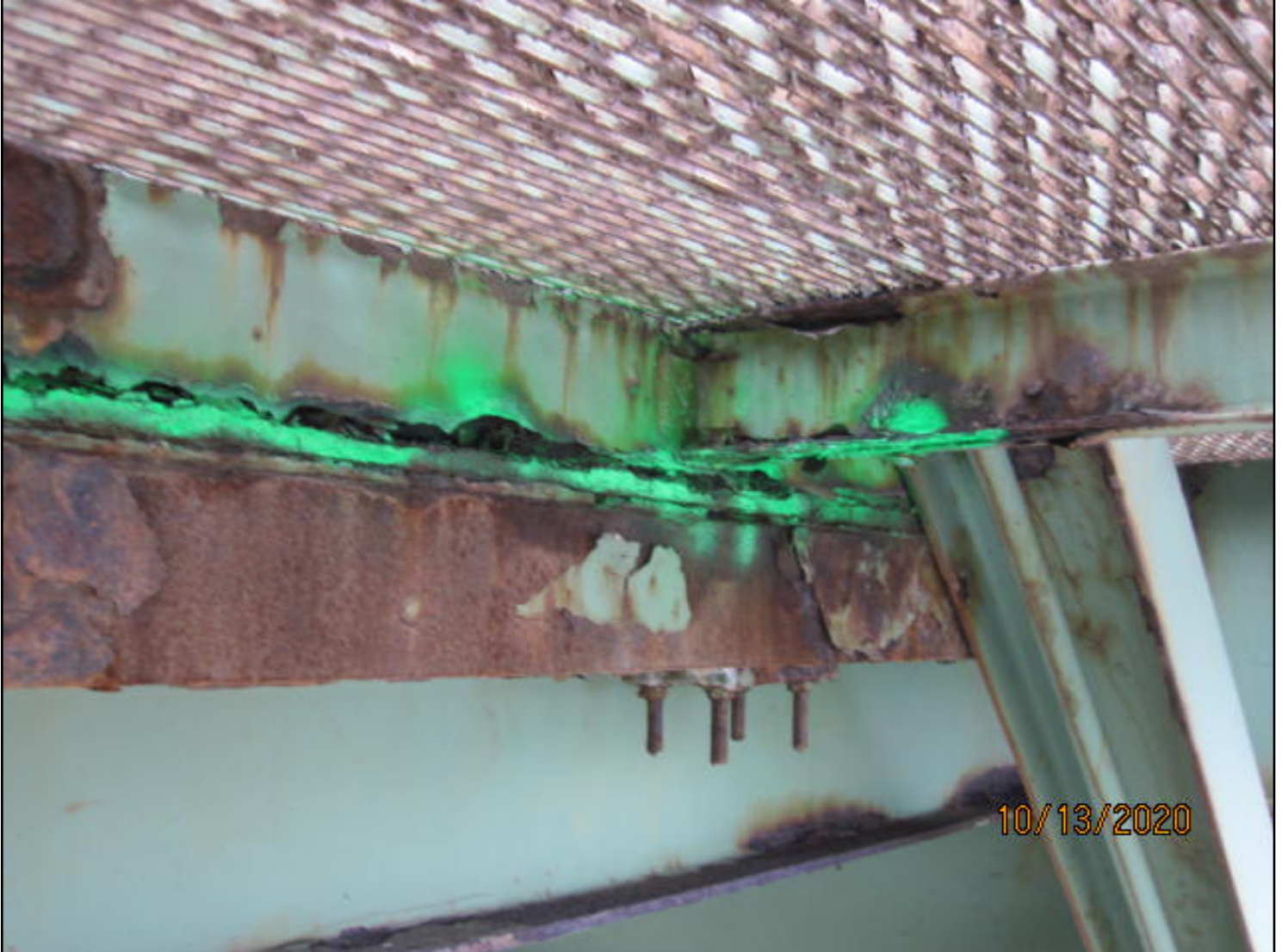
Photo Filename: 2.jpg



Attachment Description: Lt. Sidewalk fascia C-Channel @ 1st Sidewalk Floor Beam From L05, looking Rt.

Photo Number: 3

Photo Filename: 3.jpg



Attachment Description: Lt. Sidewalk fascia C-Channel @ 1st Sidewalk Floor Beam From L06, E-B

Photo Number: 4

Photo Filename: 4.jpg



Attachment Description: Lt. Sidewalk fascia C-Channel @ Sidewalk Floor Beam #2-#3 From L05, looking Rt.

Photo Number: 5

Photo Filename: 5.JPG



Attachment Description: Typical repair to support intermediate sidewalk floor beams

**New York State Department of Transportation
Red Flag 7B20M8W027**

By: Shane Perkins

Flag Date: October 14, 2020

Superseding Information:

This flag supersedes: RF 7B20M8W026

Structure Information

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Orientation: 2 - NORTHEAST

Region: 07 - WATERTOWN

County: JEFFERSON

Political Unit: Town of HOUNSFIELD

Approximate Year Built: 1954

Posted Load Matches Inventory : Yes

Bridge Load Posting (Tons) : Code 88 - No Vehicles with R Permits

Primary Owner: New York State Department of Transportation

Primary Maintenance Responsibility: New York State Department of Transportation

Typical or Main Span Type: 3 - Steel, 10 - Truss - Thru

This Bridge is not a Ramp

Number of Spans: 1

Verbal Notification Information

Person Notified: Jeffrey L. Grill

Date: October 14, 2020 11:45:00 AM

Of: NYSDOT

Signature Information

Signature: Shane Perkins, P.E. 084947-1

Date: October 14, 2020

Reviewed By: Anthony Marzano

Date: October 14, 2020

Attachments: 5

Flagged Elements

Parent Element	Element	Total Quantity	Unit
<i>Span Number : 1</i>			
	810 - Sidewalk	810	SQUAR

Flagged Condition Description

RED FLAG:

Left side bridge sidewalk steel grating was supported along bridge deck fascia with Steel C-Channel that appears embedded in concrete deck fascia. Sidewalk floor beams supporting steel grating are attached to left fascia C-channel with welded clip angles.

Steel Channel at left deck fascia typically had heavy deterioration throughout bridge length. Worst Conditions were noted by Red Flag 7B20M8W026 between lower truss nodes L05 – L07 where web of c-channel had significant deterioration throughout length between truss nodes. Upon further review of locations outside Lt. Truss nodes L05 – L07, it was determined fascia steel along left side of deck fascia appears to be a box section or a built up section to act like a box section. Corrosion appears to be occurring from the inside of the section, thus areas of the section that appear to have some integrity have rusted through with a simple tap of the hammer. Deterioration of channel between all left truss nodes was considered to significantly compromise the structural integrity of the channel. Therefore, a Red Structural Flag was re-issued for Left side C-Channel at deck fascia supporting sidewalk between all Lt. Truss Nodes, superseding flag 7B20M8W026.

Flag Photographs

Photo Number: 1

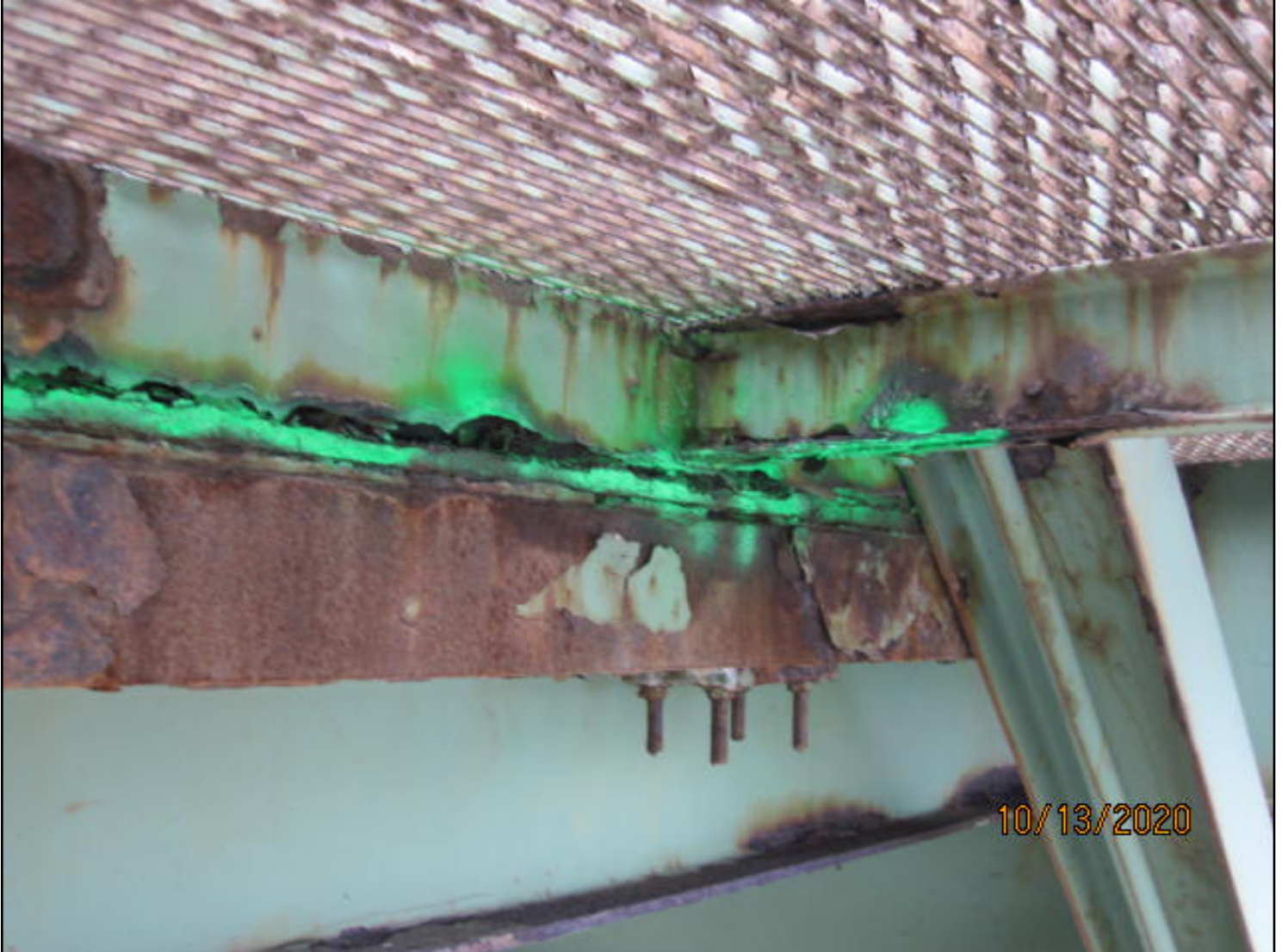
Photo Filename: IMG_0028.JPG



Attachment Description: Lt. Sidewalk fascia C-Channel @ Sidewalk Floor Beam #2-#3 From L05, looking Rt.

Photo Number: 2

Photo Filename: IMG_0036.JPG



Attachment Description: Lt. Sidewalk fascia C-Channel @ 1st Sidewalk Floor Beam From L06, E-B

Photo Number: 3

Photo Filename: IMG_0041.JPG



Attachment Description: Lt. Sidewalk fascia C-Channel @ L06 above curb line, E-B

Photo Number: 4

Photo Filename: IMG_0027.JPG



Attachment Description: Lt. Sidewalk fascia C-Channel @ 1st Sidewalk Floor Beam From L05, looking Rt.

Photo Number: 5

Photo Filename: IMG_0043.JPG



Attachment Description: Lt. Sidewalk fascia C-Channel @ Sidewalk Floor Beam # From L00, looking Rt.

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900 Feature Carried: 971HX Feature Crossed: BLACK RIVER
Date Updated: 10/19/18

Identification

BIN: 3338900
Region: 07 - Region 07 - WATERTOWN
County: 3 - County 3 - JEFFERSON
Local Bridge Number: C061
Location: LOCATED IN BROWNVILLE
Political Unit: 0406 - Town of HOUNSFIELD
Latitude (Degrees): 44.00061201
Longitude (Degrees): -75.98149798
Direction of Orientation: 2 - NORTHEAST
Primary Owner: NYSDOT
Secondary Owner: 99 - One Agency - Listed in first subfield
Maintenance Responsibility Primary: NYSDOT
Maintenance Responsibility Secondary: 99 - One Agency - Listed in first subfield
Inspection Responsibility Primary: NYSDOT
Inspection Responsibility Secondary: 99 - One Agency - Listed in first subfield
Service On Type: 5 - Highway-Pedestrian
Service Under Type: 5 - Waterway
Federal Aid Fund Status Type: * - Unknown
Contract Plans Availability Location: X - Not Available
Hydraulic Reports Availability Location: * - Unknown
Original Contract Number: SH 9439
Year Built: 1954
Year of Last Major Rehabilitation: 1983
Method of Acquisition: 1 - Legislation
Order Number:
Year Acquired:
Parent BIN for this Ramp:
Parent Span Number (Ramps):
Has Historical Significance: Yes
Critical Facility: No
State Priority Rank:
Bridge Status: Active
Common Name:
Opened to Traffic Date:

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Structure Details

GTMS Material Type: 3 - Steel
GTMS Structure Type: 10 - Truss - Thru
GTAS Material Type: N - Not Applicable
GTAS Material Type: NN - Not Applicable
Approach Span Count: 0
Ramp Count: 0
Main Span Count: 1
Max Span Length: 181
Structure Length: 185
Out to Out Width (ft): 27.7
Out to Out Vary: No
Curb to Curb Width (ft): 24
Curb Variance Type: 1 - Curb-to-Curb width does not vary by more than 1 foot
Approach Roadway Width (ft): 28
Deck Area (sq ft): 4916
Radius Length (ft): 0
Curb Type Left: 3 - Granite
Curb Type Right: 3 - Granite
Left Sidewalk Width (ft): 5
Sidewalk Left: 4 - Steel Grating
Right Sidewalk Width (ft): 0
Sidewalk Right: 1 - No Sidewalk
Median Width (ft): 0
Median Type: 0 - None
Design Load Type: 50 - HS 20
Temporary Structure: No
Begin Abutment: 4 - Solid, Cantilever
Begin Wingwall: 0 - Other
Begin Footing: 3 - Continuous, Spread-on-Rock
Begin Pile: 1 - No Piles
Begin Abutment Height (ft): 8
Begin Skew Angle (Degrees): 0
Begin Joint: 29 - Fixed - Armored Compression Seal (See BDD 80-61, BDD 80-63)
Begin Slope Protection: 1 - None Used
End Abutment: 4 - Solid, Cantilever
End Wingwall: 0 - Other
End Footing: 3 - Continuous, Spread-on-Rock
End Pile: 1 - No Piles
End Abutment Height (ft): 7
End Skew Angle (Degrees): 0
End Joint: 12 - Exp.- Armored Compression Seal (See BDD80-61, BDD80-63)
End Slope Protection: 1 - None Used
Depth of Cover:

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Safety/Utilities

Safety

Guiderail Type: 02 - Box Beam, Weak Steel Post

Guiderail Transition Type: 01 - Single box beam conn w/ bridge railing.

Guiderail Terminus Type: 04 - Rail has sloped end but is not transitioned horizontally

Curb Transition Type: 09 - Curb/sidewalk end in vertical face. Distance less than 1 ft.

Approach Rd Alignment Appraisal Type: 5 - Between 6 and 3

Median Barrier Type: 01 - No Barrier

Type of Guiderail on Left: 28 - Two-Rail Steel w/open web posts and continuous Box rails

Type of Guiderail on Right: 28 - Two-Rail Steel w/open web posts and continuous Box rails

Gore Area Type: 1 - No gore areas on bridge.

Attenuator Type: 1 - No impact attenuators on the bridge.

Light Standard: 1 - None

Light Fixtures On: 1 - None

Light Fixtures Under: 1 - None

Utilities

Utility Number: 1

Utility Type: 02 - Gas Line (Visible)

Utility Add Date: 01/17/03

Utility Remove Date:

Comment:

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Posting

Posting Recording Date:

Posted VC On (ft):

Posted VC On (in):

Posted VC Under (ft):

Posted VC Under (in):

Posted Load (Tons): 0

Posted Load Date:

Comment:

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Feature Carried

Feature Number: 1
Feature Over Under On: 1 - Feature carried on the bridge
Bridge Feature Type: 09 - State Highway
National Highway System Feature: 0 - Bridge does not carry a route on the NHS.
Feature Description: 971HX
Secondary Description: PADDY HIL
Milepoint: 0.07
Overlap Route 1:
Overlap Route 2:
State Highway Number: 9439
Highway Type: 3 - State
Route Description: 1 - Mainline
Federal Aid System: 12 - Local City Streets
Feature Functional Classification: 16 - Urban - Minor Arterial
Toll Type: 3 - On a Free Road or Non-Highway
Strategic (STRAHNET) Designation: 0 - The Feature is not a STRAHNET route.
National Network for Trucks Feature: 0 - The Feature is not part of the National Network for Trucks
Number of Lanes: 2
Lane Count on Left Side: 1
Lane Count on Right Side: 1
Lanes Vary Code: 2 - Number of lanes or tracks does not vary
Minimum Lane Width (ft): 12
Annual Average Daily Traffic Count: 7000
AADT Year: 2018
Future Annual Average Daily Traffic Count: 7070
Future Year Recorded: 2038
Annual Average Daily Truck Traffic (%): 4.37 %
Maximum Vertical Clearance (ft): 15
Maximum Vertical Clearance (in): 0
Minimum Vertical Clearance (ft): 15
Minimum Vertical Clearance (in): 0
Total Horizontal Clearance (ft): 24
Detour Length (mi): 5
Predominant Feature: Yes

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900 Feature Carried: 971HX Feature Crossed: BLACK RIVER
Date Updated: 10/19/18

Feature Crossed

Feature Number: 2
Feature Over Under On: 2 - Feature passes under the bridge
Bridge Feature Type: 31 - Non-Navigable Waterway
Feature Description: BLACK RIVER
Milepoint:
State Highway Number:
Highway Type: 8 - Other
Secondary Description:
Route Description: 0 - No Description Applies
Federal Aid System: 00 - None - Not a Highway
Feature Functional Classification: 00 - None - Not a Highway
Toll Type: 3 - On a Free Road or Non-Highway
Strategic (STRAHNET) Designation: N - The Feature is not a highway.
National Network for Trucks Feature: N - The Feature is not a highway.
Number of Lanes: 0
Minimum Vertical Clearance of Lift Bridge (ft):
Maximum Vertical Clearance (ft): 0
Maximum Vertical Clearance (in): 0
Minimum Vertical Clearance (ft): 0
Minimum Vertical Clearance (in): 0
Total Horizontal Clearance (ft): 0
Minimum Horizontal Clearance Left (ft): 0
Minimum Horizontal Clearance Right (ft): 0
Annual Average Daily Traffic Count: 0
AADT Year:
Future Annual Average Daily Traffic Count: 0
Future Year Recorded:
Substructure Protection Type: N - Navigation Control item coded 0, or Feature not a waterway
Navigation Agency Control: 0 - Navigation is not controlled by an Agency
Maximum Vertical Clearance Navigation (ft): 0
Minimum Navigation Horizontal Clearance (ft): 0
Stream Bed Material: 2 - Bed Rock
Bank Protection Type: 01 - No Bank Protection
Current Velocity (fps): 99
Factors Affecting Stream Flow: 2 - Dam Upstream
Detour Length (mi): 0
Predominant Feature: Yes

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Span Inventory

Span Number: 1 of 1
General Type: Main Span
Span Length (ft): 181
Number of Girders:
Span Material Type: 1 - Steel
Fracture Critical: Yes
Protective Coating Type: 1 - Painted, Lead-Based
Composite Action Type: 1- Non Composite
Fatigue Type: 3 - D, E and E' Details
Out of Plane Bending Type: 1- Yes
Continuity and Curvature Type: 1 - Simple Span
Span Design Type: 18 - Truss, Thru - (Overhead Bracing)
Load Path Redundancy: 2 - Two Member
Internal Redundancy: 1 - Welded
Continuity Redundancy: Simply supported or an end span of a continuous structure
Structural Deck Type: 05 - Steel Grating, filled
Original Wearing Surface: 09 - Steel Grate, open
OWS Still-in-Place: Original wearing surface has been removed.
Present Wearing Surface Type: 24 - Asphalt Concrete with Membrane
Surface Sealant Type: 1 - None
Span Ballast Type: 1 - Bridge does not carry railroad traffic
Deck Drainage Type: 1 - None
Stay-in-place Forms Used: Yes
Median Width (ft): 0
Type of Railing Left: 02 - Steel conforming to current AASHTO specs
Type of Railing Right: 02 - Steel conforming to current AASHTO specs
Begin Bearing Fixity: 2 - Fixed
Begin Bearing Type: 53 - Fix:Steel, Rotates on a Pin (See BDD 83-35)
End Bearing Fixity: 3 - Expansion
End Bearing Type: 05 - Exp:Steel Sliding on Steel
Span Pier Type: 01 - No Pier
Pier Height (ft):
Span Pier Footing Type:
Pier Skew Angle (Degrees):
Pier Pile Type:
Span Pier Joint Type:
Bridge Span Status: Active
Comment:

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Span AASHTO Element Inventory

Span Number: 1

AASHTO Number: 29

Parent Bridge Element:

Bridge Element: 29 - Steel Deck with Concrete Filled Grid

Measurement Unit: SQFT - Square Foot

Total Quantity: 4320

Bridge Element Status: Active

AASHTO Number: 510

Parent Bridge Element: 29 - Steel Deck with Concrete Filled Grid

Bridge Element: 510 - Wearing Surfaces

Measurement Unit: SQFT - Square Foot

Total Quantity: 4320

Bridge Element Status: Active

AASHTO Number: 113

Parent Bridge Element:

Bridge Element: 113 - Steel Stringer

Measurement Unit: LNFT - Linear Foot

Total Quantity: 900

Bridge Element Status: Active

AASHTO Number: 515

Parent Bridge Element: 113 - Steel Stringer

Bridge Element: 515 - Steel Protective Coating

Measurement Unit: SQFT - Square Foot

Total Quantity: 4280

Bridge Element Status: Active

AASHTO Number: 120

Parent Bridge Element:

Bridge Element: 120 - Steel Truss

Measurement Unit: LNFT - Linear Foot

Total Quantity: 360

Bridge Element Status: Active

AASHTO Number: 515

Parent Bridge Element: 120 - Steel Truss

Bridge Element: 515 - Steel Protective Coating

Measurement Unit: SQFT - Square Foot

Total Quantity: 8140

Bridge Element Status: Active

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Span AASHTO Element Inventory

AASHTO Number: 152
Parent Bridge Element:
 Bridge Element: 152 - Steel Floor Beam
 Measurement Unit: LNFT - Linear Foot
 Total Quantity: 240
Bridge Element Status: Active

AASHTO Number: 515
Parent Bridge Element: 152 - Steel Floor Beam
 Bridge Element: 515 - Steel Protective Coating
 Measurement Unit: SQFT - Square Foot
 Total Quantity: 2200
Bridge Element Status: Active

AASHTO Number: 162
Parent Bridge Element:
 Bridge Element: 162 - Steel Gusset Plate
 Measurement Unit: EA - Each
 Total Quantity: 36
Bridge Element Status: Active

AASHTO Number: 515
Parent Bridge Element: 162 - Steel Gusset Plate
 Bridge Element: 515 - Steel Protective Coating
 Measurement Unit: SQFT - Square Foot
 Total Quantity: 300
Bridge Element Status: Active

AASHTO Number: 217
Parent Bridge Element:
 Bridge Element: BA217 - Masonry Abutment
 Measurement Unit: LNFT - Linear Foot
 Total Quantity: 1
Bridge Element Status: Removed

AASHTO Number: 217
Parent Bridge Element:
 Bridge Element: EA217 - Masonry Abutment
 Measurement Unit: LNFT - Linear Foot
 Total Quantity: 1
Bridge Element Status: Removed

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Span AASHTO Element Inventory

AASHTO Number: 220
Parent Bridge Element:
Bridge Element: BA220 - Reinforced Concrete Pile Cap/Footing
Measurement Unit: LNFT - Linear Foot
Total Quantity: 28
Bridge Element Status: Removed

AASHTO Number: 220
Parent Bridge Element:
Bridge Element: EA220 - Reinforced Concrete Pile Cap/Footing
Measurement Unit: LNFT - Linear Foot
Total Quantity: 28
Bridge Element Status: Active

AASHTO Number: 303
Parent Bridge Element:
Bridge Element: BA303 - Assembly Joint with Seal
Measurement Unit: LNFT - Linear Foot
Total Quantity: 25
Bridge Element Status: Active

AASHTO Number: 303
Parent Bridge Element:
Bridge Element: EA303 - Assembly Joint with Seal
Measurement Unit: LNFT - Linear Foot
Total Quantity: 25
Bridge Element Status: Active

AASHTO Number: 515
Parent Bridge Element: BA311 - Movable Bearing
Bridge Element: 515 - Steel Protective Coating
Measurement Unit: SQFT - Square Foot
Total Quantity: 4
Bridge Element Status: Active

AASHTO Number: 311
Parent Bridge Element:
Bridge Element: BA311 - Movable Bearing
Measurement Unit: EA - Each
Total Quantity: 2
Bridge Element Status: Active

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Span AASHTO Element Inventory

AASHTO Number: 313
Parent Bridge Element:
Bridge Element: EA313 - Fixed Bearing
Measurement Unit: EA - Each
Total Quantity: 2
Bridge Element Status: Active

AASHTO Number: 515
Parent Bridge Element: EA313 - Fixed Bearing
Bridge Element: 515 - Steel Protective Coating
Measurement Unit: SQFT - Square Foot
Total Quantity: 4
Bridge Element Status: Active

AASHTO Number: 330
Parent Bridge Element:
Bridge Element: 330 - Metal Bridge Railing
Measurement Unit: LNFT - Linear Foot
Total Quantity: 360
Bridge Element Status: Active

AASHTO Number: 515
Parent Bridge Element: 330 - Metal Bridge Railing
Bridge Element: 515 - Steel Protective Coating
Measurement Unit: SQFT - Square Foot
Total Quantity: 1450
Bridge Element Status: Active

AASHTO Number:
Parent Bridge Element:
Bridge Element: BA800 - Erosion or Scour
Measurement Unit: LNFT - Linear Foot
Total Quantity: 28
Bridge Element Status: Active

AASHTO Number:
Parent Bridge Element:
Bridge Element: EA800 - Erosion or Scour
Measurement Unit: LNFT - Linear Foot
Total Quantity: 28
Bridge Element Status: Active

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Span AASHTO Element Inventory

AASHTO Number:
Parent Bridge Element:
Bridge Element: BW800 - Erosion or Scour
Measurement Unit: LNFT - Linear Foot
Total Quantity: 20
Bridge Element Status: Active

AASHTO Number:
Parent Bridge Element:
Bridge Element: EW800 - Erosion or Scour
Measurement Unit: LNFT - Linear Foot
Total Quantity: 20
Bridge Element Status: Active

AASHTO Number:
Parent Bridge Element:
Bridge Element: 801 - Stream Hydraulics
Measurement Unit: EA - Each
Total Quantity: 1
Bridge Element Status: Active

AASHTO Number:
Parent Bridge Element:
Bridge Element: 810 - Sidewalk
Measurement Unit: SQFT - Square Foot
Total Quantity: 810
Bridge Element Status: Active

AASHTO Number:
Parent Bridge Element:
Bridge Element: 811 - Curb
Measurement Unit: LNFT - Linear Foot
Total Quantity: 360
Bridge Element Status: Active

AASHTO Number:
Parent Bridge Element:
Bridge Element: 830 - Secondary Members
Measurement Unit: EA - Each
Total Quantity: 1
Bridge Element Status: Active

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Span AASHTO Element Inventory

AASHTO Number:
Parent Bridge Element:
Bridge Element: BA850 - Backwall
Measurement Unit: LNFT - Linear Foot
Total Quantity: 28
Bridge Element Status: Active

AASHTO Number:
Parent Bridge Element:
Bridge Element: EA850 - Backwall
Measurement Unit: LNFT - Linear Foot
Total Quantity: 28
Bridge Element Status: Active

AASHTO Number:
Parent Bridge Element:
Bridge Element: BA851 - Abutment Pedestal
Measurement Unit: EA - Each
Total Quantity: 2
Bridge Element Status: Active

AASHTO Number:
Parent Bridge Element:
Bridge Element: EA851 - Abutment Pedestal
Measurement Unit: EA - Each
Total Quantity: 2
Bridge Element Status: Active

AASHTO Number:
Parent Bridge Element:
Bridge Element: BA853 - Wingwall
Measurement Unit: LNFT - Linear Foot
Total Quantity: 1
Bridge Element Status: Removed

AASHTO Number:
Parent Bridge Element:
Bridge Element: EA853 - Wingwall
Measurement Unit: LNFT - Linear Foot
Total Quantity: 1
Bridge Element Status: Removed

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Span AASHTO Element Inventory

AASHTO Number:

Parent Bridge Element:

Bridge Element: BW853 - Wingwall

Measurement Unit: LNFT - Linear Foot

Total Quantity: 20

Bridge Element Status: Active

AASHTO Number:

Parent Bridge Element:

Bridge Element: EW853 - Wingwall

Measurement Unit: LNFT - Linear Foot

Total Quantity: 20

Bridge Element Status: Active

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Span Features Crossed

Span Number: 1

Bridge Feature: BLACK RIVER

Feature Added to Span Date: 01/01/01

Feature Removed from Span

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Substructure Unit (SSU) Inventory

This structure does not have any substructures

SSU Element Inventory

This structure does not have any SSU elements

SSU Inspection Frequency

This structure does not have any defined SSU inspection frequencies

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Work History

Work Type: H65 - Maintain and Repair Damaged Railing
Work Month: 8
Work Year: 2014
Contract Number: 49918
Contract Type:
Contract Amount:
Fiscal Year:
Comment: REPAIR RAILINGS
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: H63 - Repair Sidewalk and Fascia
Work Month: 8
Work Year: 2014
Contract Number: 49918
Contract Type:
Contract Amount:
Fiscal Year:
Comment: REPAIR SIDEWALKS
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: H35 - Repair Other Members
Work Month: 8
Work Year: 2014
Contract Number: 49918
Contract Type:
Contract Amount:
Fiscal Year:
Comment: REPAIR OTHER MEMBERS
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Work History

Work Type: H63 - Repair Sidewalk and Fascia
Work Month: 1
Work Year: 2014
Contract Number: 44450
Contract Type:
Contract Amount:
Fiscal Year:
Comment: REPAIR SIDEWALKS
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: H53 - Clean, Free, and Repair Joint Mechanism
Work Month: 1
Work Year: 2013
Contract Number:
Contract Type: 3 - In-house Maintenance
Contract Amount: 371
Fiscal Year:
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: H11 - Clean Pier Caps and Abutments
Work Month: 9
Work Year: 2012
Contract Number:
Contract Type:
Contract Amount:
Fiscal Year:
Comment: CLEAN SUBSTRUCTURE
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Work History

Work Type: H38 - Clean Superstructure
Work Month: 9
Work Year: 2012
Contract Number:
Contract Type:
Contract Amount:
Fiscal Year:
Comment: CLEAN SUPER & DECK
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: H53 - Clean, Free, and Repair Joint Mechanism
Work Month: 7
Work Year: 2008
Contract Number:
Contract Type: 3 - In-house Maintenance
Contract Amount:
Fiscal Year:
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: H38 - Clean Superstructure
Work Month: 7
Work Year: 2008
Contract Number:
Contract Type: 3 - In-house Maintenance
Contract Amount:
Fiscal Year:
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Work History

Work Type: H65 - Maintain and Repair Damaged Railing
Work Month: 10
Work Year: 2007
Contract Number:
Contract Type: 3 - In-house Maintenance
Contract Amount:
Fiscal Year:
Comment: Repair Railings
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: H33 - Straighten, Repair or Replace Structural Members
Work Month: 10
Work Year: 2007
Contract Number:
Contract Type: 3 - In-house Maintenance
Contract Amount:
Fiscal Year:
Comment: Repair Steel Superstructure
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: 311 - Bridge Cleaning
Work Month: 10
Work Year: 2007
Contract Number:
Contract Type: 3 - In-house Maintenance
Contract Amount:
Fiscal Year:
Comment: CLEAN SUBSTRUCTURE
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Work History

Work Type: H58 - Remove Wearing Surface
Work Month: 8
Work Year: 2003
Contract Number:
Contract Type: 3 - In-house Maintenance
Contract Amount:
Fiscal Year:
Comment: Remove Wearing Surface
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: H38 - Clean Superstructure
Work Month: 8
Work Year: 2003
Contract Number:
Contract Type: 3 - In-house Maintenance
Contract Amount:
Fiscal Year:
Comment: Clean Superstructure and Deck
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: H60 - Place Waterproof Membrane
Work Month: 8
Work Year: 2003
Contract Number:
Contract Type: 3 - In-house Maintenance
Contract Amount:
Fiscal Year:
Comment: Place Waterproof Membrane
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Work History

Work Type: H11 - Clean Pier Caps and Abutments
Work Month: 8
Work Year: 2003
Contract Number:
Contract Type: 3 - In-house Maintenance
Contract Amount:
Fiscal Year:
Comment: Clean Substructure
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: H59 - Replace Wearing Surface (Asphalt Concrete)
Work Month: 8
Work Year: 2003
Contract Number:
Contract Type: 3 - In-house Maintenance
Contract Amount:
Fiscal Year:
Comment: Place Wearing Surface
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: 312 - Bridge Painting
Work Month: 10
Work Year: 1997
Contract Number: D256905
Contract Type:
Contract Amount:
Fiscal Year:
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Work History

Work Type: H81 - Clean and Paint Metal Surfaces
Work Month: 8
Work Year: 1997
Contract Number: D256905
Contract Type: 1 - Bid Contract
Contract Amount: 440440
Fiscal Year:
Comment: MONEY VALUE REPRESENTS 6 BRIDGES
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: H38 - Clean Superstructure
Work Month: 11
Work Year: 1993
Contract Number: D254652
Contract Type: 1 - Bid Contract
Contract Amount: 709500
Fiscal Year:
Comment: MONEY VALUE REPRESENTS 116 SITES
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: H38 - Clean Superstructure
Work Month: 10
Work Year: 1992
Contract Number: D254148
Contract Type: 1 - Bid Contract
Contract Amount: 80023
Fiscal Year:
Comment: BRIDGE WASHING
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Work History

Work Type: 000 - Other
Work Month: 10
Work Year: 1992
Contract Number: D254148
Contract Type: 1 - Bid Contract
Contract Amount: 80023
Fiscal Year:
Comment: MONEY VALUE REPRESENTS 112 BRIDGES
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: H38 - Clean Superstructure
Work Month: 10
Work Year: 1991
Contract Number: D253783
Contract Type: 1 - Bid Contract
Contract Amount: 81000
Fiscal Year:
Comment: MONEY VALUE REPRESENTS 97 BRIDGES
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: H11 - Clean Pier Caps and Abutments
Work Month: 10
Work Year: 1991
Contract Number: D253783
Contract Type: 1 - Bid Contract
Contract Amount: 81000
Fiscal Year:
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Work History

Work Type: H11 - Clean Pier Caps and Abutments
Work Month: 8
Work Year: 1990
Contract Number: D253325
Contract Type: 1 - Bid Contract
Contract Amount: 83020
Fiscal Year:
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: 000 - Other
Work Month: 8
Work Year: 1990
Contract Number: D253325
Contract Type: 1 - Bid Contract
Contract Amount: 83020
Fiscal Year:
Comment: MONEY VALUE REPRESENTS 85 BRIDGES
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: H38 - Clean Superstructure
Work Month: 8
Work Year: 1990
Contract Number: D253325
Contract Type: 1 - Bid Contract
Contract Amount: 83020
Fiscal Year:
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Work History

Work Type: H75 - Maintain Scuppers and Drains
Work Month: 10
Work Year: 1989
Contract Number: D252843
Contract Type: 1 - Bid Contract
Contract Amount: 0
Fiscal Year:
Comment: CLEAN DRAIN.SYST.
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: 062 - Replace Deck
Work Month: 12
Work Year: 1983
Contract Number: D250562
Contract Type: 1 - Bid Contract
Contract Amount: 0
Fiscal Year:
Comment: LATEX MOD.CONC. OVERLAY
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: 073 - Safety Improvements
Work Month: 12
Work Year: 1983
Contract Number: D250562
Contract Type: 1 - Bid Contract
Contract Amount: 330062
Fiscal Year:
Comment: MONEY VALUE INCL ROADWAY
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Work History

Work Type: 071 - Bridge Improvements

Work Month: 12

Work Year: 1983

Contract Number: D250562

Contract Type: 1 - Bid Contract

Contract Amount: 0

Fiscal Year:

Comment: ARMORED JT.SYS.COMPRSEAL

Designer Name:

Designer Organization Type:

PIN (these codes are for future use):

Work Type: H81 - Clean and Paint Metal Surfaces

Work Month: 12

Work Year: 1983

Contract Number: D250562

Contract Type: 1 - Bid Contract

Contract Amount: 330062

Fiscal Year:

Comment: STRUCT.MEMB.STRENGTHENED

Designer Name:

Designer Organization Type:

PIN (these codes are for future use):

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

MAMIS Work History

Work Type: 4H51 - REPAIR DECKS

Work Month: 1

Work Year: 2018

Contract Number:

Contract Type:

Contract Amount: 433.776

Fiscal Year: 2018

Comment:

Designer Name:

Designer Organization Type:

PIN (these codes are for future use):

Work Type:

Work Month: 5

Work Year: 2017

Contract Number:

Contract Type:

Contract Amount: 401.696

Fiscal Year: 2018

Comment:

Designer Name:

Designer Organization Type:

PIN (these codes are for future use):

Work Type: 4H65 - REPAIR RAILINGS

Work Month: 5

Work Year: 2017

Contract Number:

Contract Type:

Contract Amount: 1529.672

Fiscal Year: 2018

Comment:

Designer Name:

Designer Organization Type:

PIN (these codes are for future use):

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

MAMIS Work History

Work Type:
Work Month: 5
Work Year: 2017
Contract Number:
Contract Type:
Contract Amount: 830.444
Fiscal Year: 2018
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: 4H59 - PLACE WEARING SURF
Work Month: 3
Work Year: 2017
Contract Number:
Contract Type:
Contract Amount: 2206.044
Fiscal Year: 2017
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: 4B31 - POTHOLE REPAIR
Work Month: 1
Work Year: 2017
Contract Number:
Contract Type:
Contract Amount: 380.26
Fiscal Year: 2017
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

MAMIS Work History

Work Type:
Work Month: 3
Work Year: 2016
Contract Number:
Contract Type:
Contract Amount: 156.096
Fiscal Year: 2017
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: 4H51 - REPAIR DECKS
Work Month: 2
Work Year: 2016
Contract Number:
Contract Type:
Contract Amount: 695.688
Fiscal Year: 2016
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: 4H33 - REP STEEL SUPERSTRUCTURE
Work Month: 8
Work Year: 2015
Contract Number:
Contract Type:
Contract Amount: 2540.6
Fiscal Year: 2016
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

MAMIS Work History

Work Type: 4H38 - CLEAN SUPERSTRUCTURE
Work Month: 8
Work Year: 2015
Contract Number:
Contract Type:
Contract Amount: 1603.832
Fiscal Year: 2016
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: 4H65 - REPAIR RAILINGS
Work Month: 5
Work Year: 2015
Contract Number:
Contract Type:
Contract Amount: 1701.624
Fiscal Year: 2016
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

Work Type: 4H33 - REP STEEL SUPERSTRUCTURE
Work Month: 5
Work Year: 2015
Contract Number:
Contract Type:
Contract Amount: 1881.8
Fiscal Year: 2016
Comment:
Designer Name:
Designer Organization Type:
PIN (these codes are for future use):

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Historical Significance

Construction Date Update: 1954
Circa Date Type: 2 - Not a Circa Date
Designer Name:
Design Juris Level: U - Unknown
Builder Name:
Plans Available Update: Y - Plans Available at Regional Office
Possible Historic District: Yes
Adjacent Historic Marker: No
Comment:

Historical Attributes

Historic Attribute Code: No Evaluation for Potential District
Attribute Removed Date:
Comment:

Historic Attribute Code: Not Eligible
Attribute Removed Date:
Comment:

Historic Attribute Code: Replacement of Main Members
Attribute Removed Date:
Comment:

Historic Attribute Code: Truss, Thru - (Overhead Bracing)
Attribute Removed Date:
Comment:

Historic Attribute Code: Warren
Attribute Removed Date:
Comment:

Historic Attribute Code: Welded - Truss
Attribute Removed Date:
Comment:

Historical Activities

This structure does not have any historical activities

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Subsets

Region: 7 WATERTOWN
County: 3 JEFFERSON
State: T
Local: F
Other: F
NHS On: F
Interstate On: F
Interstate Under: F
Highway On: T
Highway Under: F
Railroad On: F
Railroad Under: F
Pedestrian On: T
Waterway Under: T
Closed: F
Abandoned: F
Load Posted: F
R Posted: F
95 Posted: F
97 Posted: F
Political Unit: 0406 Town of HOUNSFIELD
Number of Spans: 1
Deck Area (square feet): 4916
Primary Owner: 10 NYSDOT
Secondary Owner: 99 One Agency - Listed in first subfield
GTMS Material: 3 Steel
GTMS Structure: 10 Truss - Thru
Year Built: 1954
Last Major Work: 1983
Carried: 971HX
Crossed: BLACK RIVER

NBI Items

NBI 71 - Waterway Adequacy: Slight chance of overtopping bridge deck and roadway approaches.
Scour Critical Type: 5 - Foundations stable for conditions; scour within limits
NBIS Sufficiency Rating: 0460
FHWA NBIS Status: 1
FHWA NBIS Status User Update:

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Most Recent General Inspection

Inspection Type: General
Inspection Date: 09/06/18
Inspection Entity Assigned: 07 - Region 07 - WATERTOWN
Team Leader Assigned: Kevin F. Smith
General Recommendation: 4
Condition Rating: 3.902
NBI Item 58 - Deck: 5 - Fair Condition
NBI Item 59 - Superstructure: 4 - Poor Condition
NBI Item 60 - Substructure: 4 - Poor Condition
NBI Item 61 - Channel: 7 - Good Condition
NBI Item 62 - Culvert: N - Not Applicable
Red Flag Issued?: No
Yellow Flag Issued?: No
Safety Flag Issued?: No

Most Recent Diving (SSU) Inspection

This structure does not have any SSUs inspections

Most Recent Fathometer Survey

This structure does not have any fathometer surveys

Most Recent Post Event Inspection

This structure does not have any post event inspections

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Non-Structural Condition Observations

Inspection Date: 09/20/16

Order: 1

Non-Structural Condition Observation Category: APPROACH - Other

"Other" Condition Observation: Pavement

Quantity: 1

Measurement Unit: EA - Each

Further Investigation

This structure does not have any further investigations

Special Emphasis

Special Emphasis Detail: 1. Non-redundant or Fracture-Critical Structures

Special Emphasis Detail Note:

Special Emphasis Detail: 10. AASHTO Category D, E, and E' welded details

Special Emphasis Detail Note:

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Access Needs

Span Number: 1

Access Type: 13 - Walking

Access Type (Other):

Access Location:

Permit Type and Requirements:

Contact(s) for Access and Coordination:

Hours:

Date Added: 01/17/03

Date Removed:

Comment:

Access Type: 28 - Lane Closure Without Shadow Vehicle

Access Type (Other):

Access Location:

Permit Type and Requirements:

Contact(s) for Access and Coordination:

Hours:

Date Added: 01/17/03

Date Removed:

Comment:

Access Type: 19 - Up to 30 Foot Lift

Access Type (Other):

Access Location:

Permit Type and Requirements:

Contact(s) for Access and Coordination:

Hours:

Date Added: 01/17/03

Date Removed:

Comment:

Access Type: 16 - 40 foot Under Bridge Inspection Unit (UBIU)

Access Type (Other):

Access Location:

Permit Type and Requirements:

Contact(s) for Access and Coordination:

Hours:

Date Added: 01/17/03

Date Removed:

Comment:

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

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Date Updated: 10/19/18

Bridge Safety

BSA

Vulnerability Type: Hydraulics Vulnerability

Rating Date: 11/06/06

Vulnerability Classification: Low

Failure Type: Structural Damage

Vulnerability Rating: 5: No Action

Vulnerability Type: Steel Vulnerability

Rating Date: 07/08/94

Vulnerability Classification: Medium

Failure Type:

Vulnerability Rating: 3: Capital Program Action

**New York State Department of Transportation
General Bridge Inventory Report**

BIN: 3338900

Feature Carried: 971HX

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Date Updated: 10/19/18

Load Ratings - Level I

Load Rating Type: 1 - Level I

Rating Method: 1 - Load Factor (LFD)

Rating Source: 1 - P.E. Certified Load Rating

Rating Date: 11/15/16

H20 Inventory Rating Tons:

H20 Operating Rating - Tons:

HS20 Inventory Rating - Tons:

HS20 Operating Rating - Tons:

3S2 Legal-Factor:

HL-93 Inventory Factor:

HL-93 Operating Factor:

HL-93 Permit Factor:

Load Rating Import Date:

Lane Legal-Factor:

SU 4 Legal Factor:

Type 6A Permit-Factor:

Type 7 Permit-Factor:

Load Rating Notes:

Load Ratings - Level II (or Level III, if exists)

Load Rating Type: 2 - Level II

Rating Method: 1 - Load Factor (LFD)

Rating Source: V - VIRTIS

Rating Date: 10/24/18

H20 Inventory Rating Tons: 16

H20 Operating Rating - Tons: 27

HS20 Inventory Rating - Tons: 30

HS20 Operating Rating - Tons: 50

3S2 Legal-Factor:

HL-93 Inventory Factor:

HL-93 Operating Factor:

HL-93 Permit Factor:

Load Rating Import Date:

Lane Legal-Factor:

SU 4 Legal Factor:

Type 6A Permit-Factor:

Type 7 Permit-Factor:

Load Rating Notes: Modified member control options, reconstructed truss model.

New York State Department of Transportation General Bridge Inventory Report

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

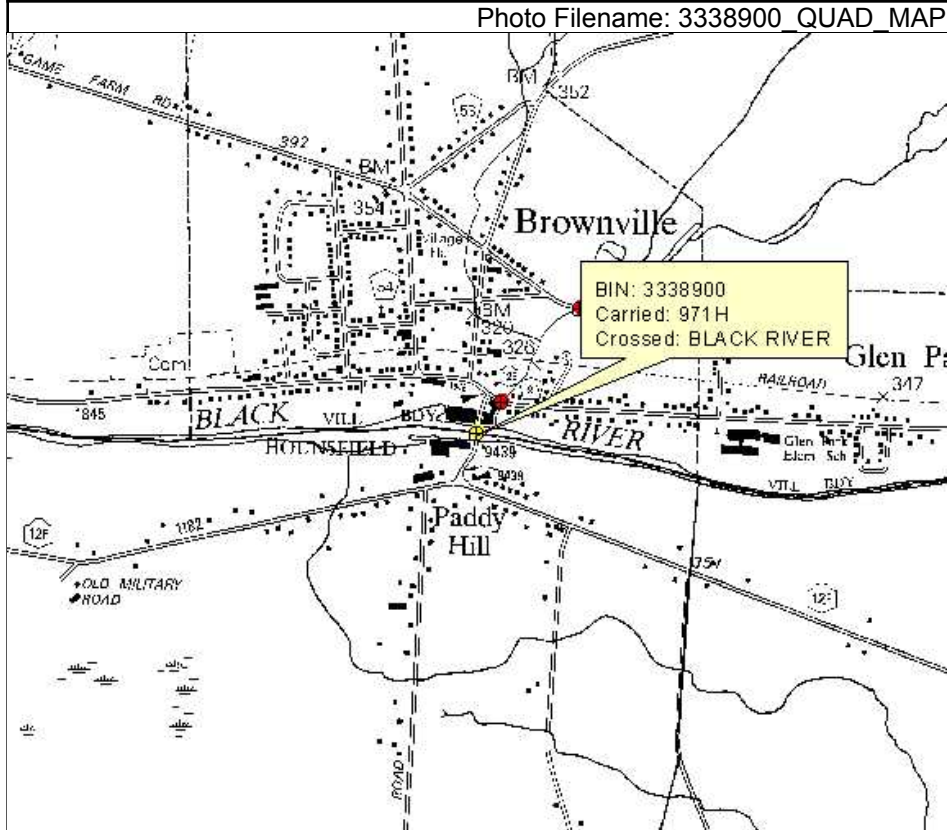
Date Updated: 10/19/18

Standard Photographs

Photo Filename: FramingSpan1.jpg



Photo Filename: 3338900_QUAD_MAP.JPG



New York State Department of Transportation
General Bridge Inventory Report

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Standard Photographs

Photo Filename: ApproachEnd.jpg



Photo Filename: AbutmentBegin.jpg



New York State Department of Transportation
General Bridge Inventory Report

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Standard Photographs

Photo Filename: ElevationSpan1.jpg



Photo Filename: F2CrossedSpan1Right.jpg



New York State Department of Transportation General Bridge Inventory Report

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

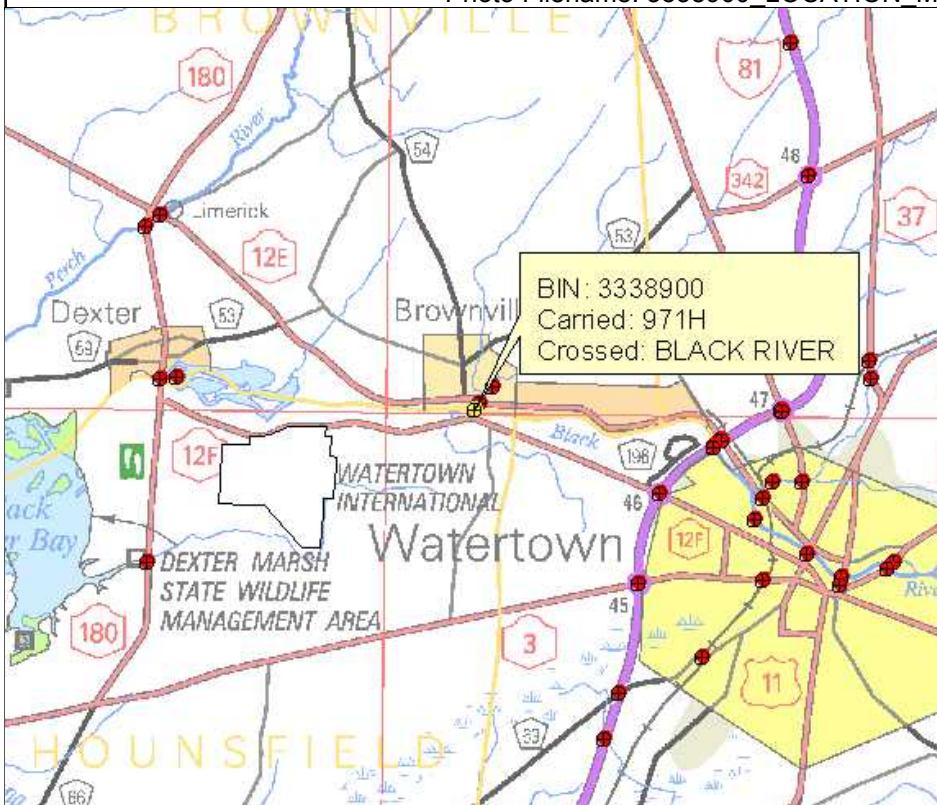
Date Updated: 10/19/18

Standard Photographs

Photo Filename: F2CrossedSpan1Left.jpg



Photo Filename: 3338900_LOCATION_MAP.JPG



New York State Department of Transportation
General Bridge Inventory Report

BIN: 3338900

Feature Carried: 971HX

Feature Crossed: BLACK RIVER

Date Updated: 10/19/18

Standard Photographs

Photo Filename: AbutmentEnd.jpg



Photo Filename: ApproachBegin.jpg

