New York State Department of Transportation
Yellow Flag 1B19VLW057

By: Laura L. Fulford
Flag Date: October 08, 2019

Superseding Information:

This flag supersedes: YF 1B18Y0W018

Structure Information

BIN: **3306370**
Feature Carried: BATTEN-DUGAN ROAD
Feature Crossed: BATTEN KILL
Orientation: 8 - NORTHWEST

Region: 01 - ALBANY
County: WASHINGTON
Political Unit: Town of JACKSON
Approximate Year Built: 1916

Posted Load Matches Inventory : Yes
Bridge Load Posting (Tons) : 20

Primary Owner: 30 - County
Primary Maintenance Responsibility: 30 - County
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: Laura L. Fulford, P.E. 087086-1
Date: October 11, 2019

Reviewed By: Scott Kinsman
Date: October 11, 2019

Attachments: 5

Flagged Elements

Parent Element	Element	Total Quantity	Unit
Span Number : 1			
	162 - Steel Gusset Plate	32	each

Flagged Condition Description

Subject: Left Truss (T1) Bottom Gusset Plate Section Losses
(Bridge posted for 20 tons)

This is a single span thru-truss bridge with an open steel grate deck. The bridge is 128 ft long and has 8 panels. The truss members are made up of angles (4) for the verticals, diagonals, top and bottom chords. The majority of the section losses to the bottom gusset plates are on the Right plates (interior face) The section loss in many areas pre-date the existing paint system but shows signs of active corrosion due to paint failure. Losses were calculated with a pit gauge due to the location of the vertical and horizontal gusset plate and bottom chord. The section losses were located between the bottom chords top angle and bottom angle. Section losses are along a horizontal band width of 1 to 1.5 in high x 14 to 21 in long. (See Truss Bottom Chord Sketch) The gusset plates are 7/16 in thick.

Deterioration for this Yellow flag: (section losses rounded to nearest 5%)

Left Truss (T1) at L3: Begin Right Plate – 40% SL (2018 - 40% SL);
Left Truss (T1) at L3: End Right Plate – 45% SL (2018 - 50% SL); (Photo 2)

Left Truss (T1) at L4: Begin Right Plate – 40% SL (2018 - 40% SL);
Left Truss (T1) at L4: End Right Plate – 30% SL (2018 – 30% SL);

Left Truss (T1) at L5: Begin Right Plate – 60% SL (2018 - 65% SL); (Photo 3)
Left Truss (T1) at L5: End Right Plate – 50% SL (2018 – 50% SL);

Left Truss (T1) at L6: Begin Right Plate – 35% SL (2018 - 35% SL); (Photo 4)
Left Truss (T1) at L6: End Right Plate – 50% SL (2018 – 45% SL);

There was minor changes in section loss during this inspection. The Left gusset plates are in better condition with very minor losses. This flag is being reissued (supersedes YF 1B18Y0W018) due to the active corrosion and section losses to the inside gusset plates at the floorbeam to truss connections.

Flag Photographs

Photo Number: **1** Photo Filename: **19-57-1.JPG**

Attachment Description: **Left Truss looking at End – General Configuration**

Photo Number: **2** Photo Filename: **19-57-2.JPG**

Attachment Description: **Left Truss, End Right Gusset Plate at L3**

Photo Number: **3** Photo Filename: **19-57-3.JPG**

Attachment Description: **Left Truss, Begin Right Gusset Plate at L5**

Photo Number: **4** Photo Filename: **19-57-4.JPG**

Attachment Description: **Left Truss, Begin Right Gusset Plate at L6**

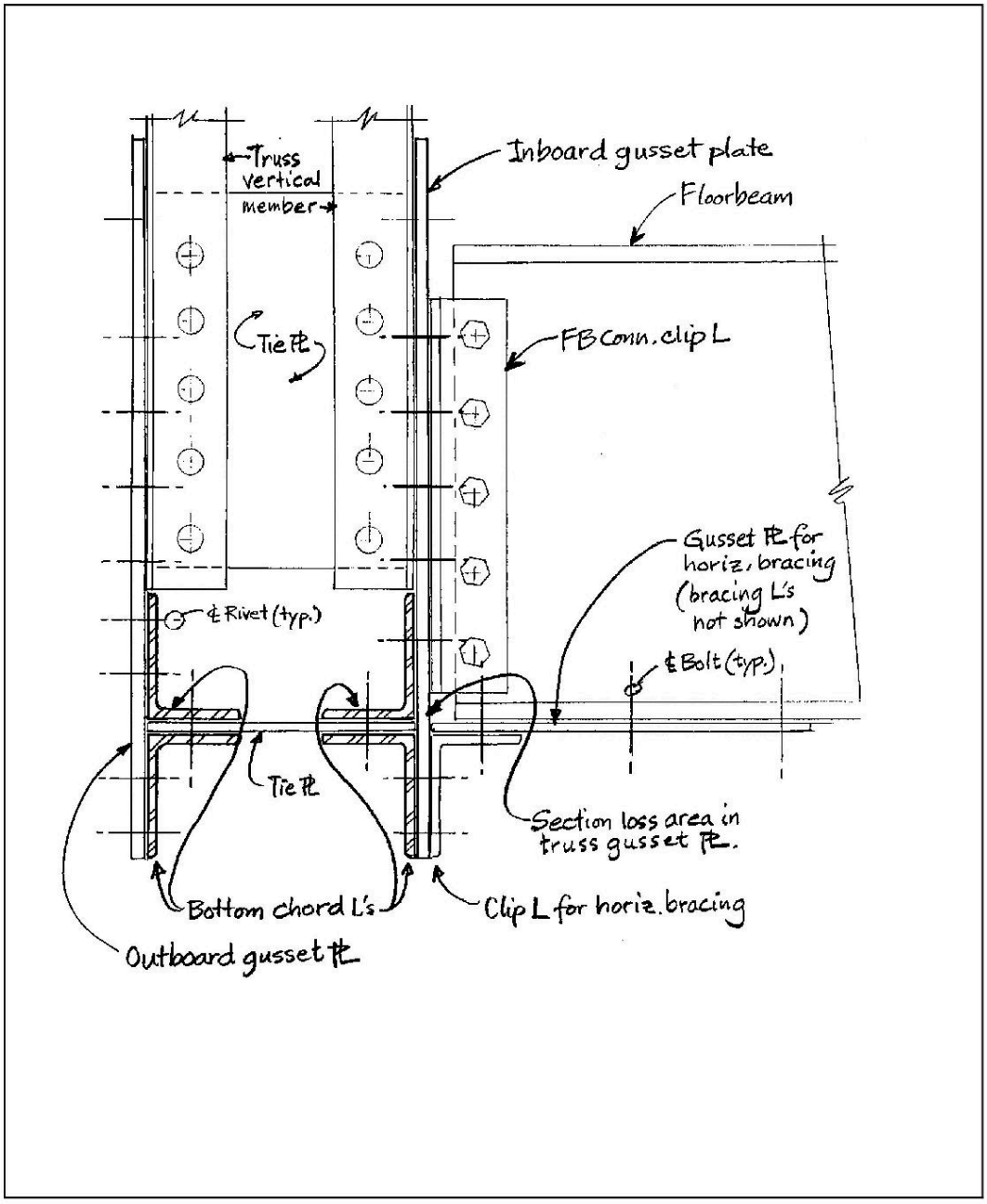
Photo Number: **5** Photo Filename: **Truss Bottom Chord.jpg**

Truss Bottom Chord Panel Point Sketch

NYSDOT BRIDGE INSPECTION REPORT			
SHEET	1	OF	1

Insp. Date:	10/08/19

R/C BIN:	1/8 - 3306370



Attachment Description: **Truss Bottom Chord Sketch**