

**New York State Department of Transportation
Yellow Flag 1B19VLW059**

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

Superseding Information:
This flag supersedes: YF 1B18Y0W016

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: 4

Flagged Elements

Parent Element	Element	Total Quantity	Unit
<i>Span Number : 1</i>			
	120 - Steel Truss	256	ft

Flagged Condition Description

Subject: Left Truss (T1) Vertical and Diagonal Member 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 (see below for sizes). The majority of the section losses are to the vertical and diagonal angles above the lower chord near the top or above the vertical gusset plates. Losses listed below represent a loss of the total member section.

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

U2L3 at L3 – 30-40% loss (no significant change from 2018); member consists of (4) 2-5/8 in x 2-5/8 in x 5/16 in angles;

U3L3 at L3 – 45% loss (2018 – 40%); member consists of (4) 4 in x 3 in x 5/16 in angles; (Photo 2)

U4L4 at L4 – 30-40% loss (no significant change from 2018) member consists of (4) 3 in x 3-5/8 in x 5/16 in angles; (Photo 3)

U6L5 at L5 – 30-35% loss (no significant change from 2018) member consists of (4) 2-5/8 in x 2-5/8 in x 5/16 in angles;

U6L6 at L6 – 30-35% loss (no significant change from 2018) member consists of (4) 4 in x 3 in x 5/16 in angles; (Photo 4)

No significant changes during this inspection. This flag is being reissued (supersedes YF 1B18Y0W016) due to the section losses to the angles of the vertical and diagonal member directly above the lower chord. In addition the bridge is single span truss that is non-redundant and fracture critical.

Flag Photographs

Photo Number: 1

Photo Filename: 19-59-1.JPG



Attachment Description: Left Truss looking at End – General Configuration

Photo Number: 2

Photo Filename: 19-59-2.JPG



Attachment Description: Left Truss, U3L3 End face

Photo Number: 3

Photo Filename: 19-59-3.JPG



Attachment Description: Left Truss, U4L4 End face

Photo Number: 4

Photo Filename: 19-59-4.JPG



Attachment Description: Left Truss, U6L6 Begin face