

**New York State Department of Transportation  
Yellow Flag 1B19VLW060**

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

Superseding Information:  
This flag supersedes: YF 1B18Y0W017

**Structure Information**

**BIN: 3306370** *Region: 01 - ALBANY*  
*Feature Carried: BATTEN-DUGAN ROAD* *County: WASHINGTON*  
*Feature Crossed: BATTEN KILL* *Political Unit: Town of JACKSON*  
*Orientation: 8 - NORTHWEST* *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: 6*

**Flagged Elements**

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

**Flagged Condition Description**

Subject: Right Truss (T2) Bottom Chord, 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 bottom chord, vertical, and diagonal angles above the bottom 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%)

- L2L3 at L3 – 45% loss (2018 – 40%) member consists of (4) 5 in x 3-1/2 in x 7/16 in angles; (Photo 2-3)
- 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 – 40-50% loss (no significant change from 2018) member consists of (4) – 4 in x 3 in x 5/16 in angles; (Photo 4)
- U4L4 at L4 – 40% loss (no significant change from 2018) member consists of (4) 3 in x 3-5/8 in x 5/16 in angles; (Photo 5)
- U5L5 at L5 – 30-40% loss (no significant change from 2018) member consists of (4) 4 in x 3 in x 5/16 in angles;
- U6L5 at L5 – 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;
- U6L6 at L6 – 40% loss (2018 – 35%) member consists of (4) 4 in x 3 in x 5/16 in angles; (Photo 6)

No significant changes during this inspection. This flag is being reissued (supersedes YF 1B18Y0W017) due to the section losses to angles of the bottom chord, vertical, and diagonal members along or directly above the bottom chord. In addition the bridge is single span truss that is non-redundant and fracture critical.

**Flag Photographs**

Photo Number: 1

Photo Filename: 19-60-1.JPG



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

Photo Number: 2

Photo Filename: 19-60-2.JPG



***Attachment Description: Right Truss, L2L3 Right face at L3***

Photo Number: 3

Photo Filename: 19-60-3.JPG



***Attachment Description: Right Truss, L2L3 underside at L3***

Photo Number: 4

Photo Filename: 19-60-4.JPG



**Attachment Description: Right Truss, U3L3 Begin face**

Photo Number: 5

Photo Filename: 19-60-5.JPG



***Attachment Description: Right Truss, U4L4 Begin face***

Photo Number: 6

Photo Filename: 19-60-6.JPG



***Attachment Description: Right Truss, U6L6 End face***