

RED Flag 9C070095

Carried: PONY FARM ROAD Crossed: DELAWARE & HUDSON

Prompt Interim Action Recommended: No

Inspector: Henderson, Ryan
Flag Number: 9C070095Date Discovered: 12/12/2007
Supersedes Flag Number: _____

Bridge Description:

BIN: 2227870 Carried: PONY FARM ROAD Crossed: DELAWARE & HUDSON

Region: 9 - Binghamton County: 4 - Otsego
Political Unit: 0610 - Town of Oneonta
Primary Owner: 60 - Railroad
Secondary Owner: 99 - One Agency - Listed in first subfield
Primary Maintenance: 40 - Town
Secondary Maintenance: 60 - Railroad
Year Built: 1933 Posted For Load: 15 Tons

Number of Spans by Type:	Num	Type	Description
	001	115	Steel - Plate Girder-Floorbeam System, Thru
	002	B01	Concrete, Reinforced - Slab

Description of Flagged Condition:

RED STRUCTURAL FLAG 9C070095 Issued (No Previous Flag Superseded):

In Span 3, the bottom flanges of almost all Stringers exhibit heavy rust scale with section losses at their centers. Losses are estimated based a combination of caliper readings of exposed flange edges, pitting depths, and visual comparisons, as follows:

Panel 1 -	S1: 20%	S2: 20%	S3: 10%
Panel 2 -	S1: 20%	S2: 20%	S3: 15%
Panel 3 -	S1: 30%	S2: 40%	S3: 20%
Panel 4 -	S1: 35%	S2: 45%	S3: 30%
Panel 5 -	S1: 30%	S2: 20%	S3: 15%
Panel 6 -	Minimal Losses.		

Stringers are classified Load Path Redundant. Webs and top flanges are encased and likely to have only minimal losses. Some slight variations in losses were observed, but no distress or excess deformation is evident.

Upon QC review it was determined that the condition of the Stringers warrants a RED Flag, as it represents > 1/3 flange loss to adjacent redundant members.

It should be noted that the actual member properties are unavailable due to lack of record plans and the concrete blast protection which covers the majority of the beams. The section losses are based on a conservative assumption that the flanges have a uniform thickness of 0.5" (thickness used in BLRS analysis).

2 Photos/Sketches Attached

Verbal Notifications: (For RED Flags and Safety Flags with PIA only)

To: Tim Giblin of Regional Office on 12/19/2007 at 12:45:00 PM

Signature: (a signed copy of this report will be placed in the BIN folder)
Flagged Bridge Report Completed By: Henderson, Ryan on 12/18/2007

Discovery Date: 12/12/2007

RC: 94 BIN: 2227870

RED Flag 9C070095 Attachment

Carried: PONY FARM ROAD Crossed: DELAWARE & HUDSON

07-1475.jpg - Attached to RED Flag 9C070095

Panel 2 Stringer 3, Left Side



Discovery Date: 12/12/2007

RC: 94 BIN: 2227870

RED Flag 9C070095 Attachment

Carried: PONY FARM ROAD Crossed: DELAWARE & HUDSON

07-1483.jpg - Attached to RED Flag 9C070095

Panel 4 Stringer 2, Left Side

