APPENDIX E

Structures Information

- Existing Bridge Elevations and Plans
- General Recommendations from Biennial Bridge Inspection Report
- Safety Flags Issued
RECORD PLAN SET – 1

- Project Number - RC 69-70 (Year 1969)
  Description – Reconstruction of Route 17 and Rehab. Of Neversink Bridge
RECORD PLAN SET – 2

• Contract Number – D250774 (Year 1983)
  Description – Resurfacing on Route 17 and Rehab. Of Neversink Bridge
### Overall Condition:

- **GENERAL RECOMMENDATION:** 4
- **Computed Condition Rating:** 3.906

### Problems Requiring Action:

- **NO Further Investigation Needed**
- **YELLOW and SAFETY Flags Issued**

### POSTINGS:

- Inspector Confirmed existing Posting data as correct.
- Posted Vertical Clearance ON the bridge is: No Posting
- Posted Vertical Clearance UNDER the bridge is: No Posting
- No Load Restriction is posted on this bridge

### Overloads Observed:

- **NO Overload Vehicles were observed on this bridge**

### FEDERAL RATINGS:

- **NBI Deck Condition:** 6
- **NBI Superstruct Condition:** 5
- **NBI Substruct Condition:** 5
- **NBI Channel Condition:** 8
- **NBI Culvert Condition:** N

### Diving Inspection Needs:

- **Diving Inspection Required? No**
- **Date of Last Diving Inspection: No Date**

### Inventory Problems:

- **Inventory Problems Exist? No**

### Miscellaneous:

- **Time Required to Inspect Bridge:** 35 Hours
- **Lane Closure Needs:** By Contract for 27 Hours
- **No Railroad Flagging Required**
- **No Pedestrian Fence**
- **There is a Snow Fence present**
- **The BIN Plate is in OK condition**
Special Emphasis Inspection Required:

- Non-Redundant/Fracture Critical Members - Yes
- Pin and Hangers - No
- Fatigue-Prone Welds - Yes
- Non-Categorized Fatigue-Prone Details - No
- Other (Specified in Text) - No

Special Emphasis Details:

- Spans 1 and 4:
  - *NR Two-Girder system;
  - *Tack welds on connection angles and shelf angles;

- Spans 2 and 3:
  - *All NR Truss Members (chords, verticals, and diagonals);
  - *All NR Floorbeams;
  - *Tack welds on connection angles, shelf angles, chord vertical plates, truss diagonals, and gusset plates for lateral bracing.

- ALL SPANS 1 - 4:
  - *Welds connecting Stringers to remains of old scupper connection plates.
  - *Concrete haunches along Stringers S5 and S6.

2007: All special emphasis details received 100% hands-on inspection. No problems found unless otherwise noted.

General Notes To the Next Inspector:

- 2006 Access: UB40 with LC, SV; Walking
- BIN Plate Location: Begin Right & End Left Wingwalls.

- FB numbers typically start with FB0 (zero), except Span 2 has no FB0, and Span 3 has no FB7 (other numbering was used in the past).
- Deck and Stringer (Floor-System) Panels are numbered by their End Floorbeam (same as Span/Pier numbering).
- Left and Right Fascia Stringers in each span are not numbered with other (rolled) Stringers.

Improvements Observed:

- 2007:
  1.) Repairs made to cracks in floorbeam webs above knee-brace connection angles and cracks in the connection angles themselves: Span 1 FB0 over G1, Span 1 FB7 over G1, Span 4 FB0 over G1, Span 4 FB7 over G2
  2.) The Lower Horizontal Lateral Bracing in Span 1 Panel 1 has been repaired by rewelding the centerline brace to the gusset plate.
  3.) Some patch work to spalled areas of concrete on the Cap Beam at Pier 3.
  4.) Ground Tack Welds at Floorbeam/Stringer Connection Seats: Span 2 FB4 Begin side, at Stringer S7 & Span 2 FB5 Begin side, at Stringer S6 & Span 2 FB6 Begin side, at Stringer S3
  5.) A new Horizontal Clearance Marker (HCM) has been installed at the End Left
Improvements Observed: - continued

Approach.

2006 C.Snyder:
2. End Joint IMPROVED by repair of Left half.
3. Begin Left Pavement IMPROVED by rigid patches on the slab.
4. Span 3 Right Mono Deck IMPROVED by rigid patches on the deck

2004: Flags #02-29 thru #02-36 have been repaired (where necessary) and the flags removed by the NYSDOT.
## Inspection Submission Status:

- Submitted to QC Engineer on: 10/26/2007  
  QC Submission Number: C0970902
  QC Engineer: Robert J. Seeley
- Submitted to Liaison Engineer on: 10/26/2007  
  Liaison Submission Number: 09743
- Liaison Review Completed: 1/7/2008  
  Liaison Engineer: Erica B. Westhuis
- Submitted for BIIS Processing on: 1/7/2008  
  BIIS Submission Number: .kp1
- Current Status: Keypunched, Sent to BIIS  
  Check Value: 2,120,509,979

## Personnel Present During Inspection:

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ryan Henderson</td>
<td>Team Leader</td>
</tr>
<tr>
<td>Susan Johnson</td>
<td>Assistant Team Leader</td>
</tr>
<tr>
<td>Chris Crivelli</td>
<td>Donnelly M&amp;PT</td>
</tr>
<tr>
<td>Kelvin Darnley</td>
<td>Donnelly M&amp;PT</td>
</tr>
<tr>
<td>Casey Monroe</td>
<td>Donnelly M&amp;PT</td>
</tr>
<tr>
<td>John Van Ingen</td>
<td>NYSDOT UBIU</td>
</tr>
</tbody>
</table>
Prompt Interim Action Recommended: No

Flag Number: 9C070012  Supersedes Flag Number: 9X060170

Bridge Description:
BIN: 1013799  Carried: 17  17 96061322  Crossed: EDWARDS ISLAND RD

Region: 9 - Binghamton  County: 6 - Sullivan
Political Unit: 0823 - Town of THOMPSON
Primary Owner: 10 - State Department of Transportation
Secondary Owner: 99 - One Agency - Listed in first subfield
Primary Maintenance: 10 - State - Highway Maintenance
Secondary Maintenance: 99 - One Agency - Listed in first subfield
Year Built: 1953  Not Posted For Load

Number of Spans by Type:
 Num  Type  Description
002 - 114 - Steel - Plate Girder-Floorbeam System, Deck
002 - 117 - Steel - Truss, Deck

Bridge is wholly or partially owned or maintained by NYSDOT.

Description of Flagged Condition:
SAFETY FLAG 9C070012 Issued (Supersedes 9X060170):

The Begin Left (Westbound) asphalt shoulder has a maximum settlement of up to 4.5 inches directly adjacent to the edge of the Concrete Approach Slab over a length of approximately 25 feet.

The End Left (Westbound) asphalt shoulder has a similar condition with a maximum settlement of up to 3 inches over a length of approximately 20 feet.

These areas of settlement create an abrupt drop-off directly adjacent to the travel way creating the potential for a wheel to grab affecting vehicle control especially at high speeds.

1 Photos/Sketches Attached

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

To: ____________________ of Regional Office on ________ at ________

Signature: (a signed copy of this report will be placed in the BIN folder)
Flagged Bridge Report Signed By: ______________________________ on ________

Henderson, Ryan

(This PDF Report Created: 1/8/2008 9:17:45 AM)
Begin Left Shoulder Settlement
Safety Flag 9C070013

Prompt Interim Action Recommended: No

Inspector: Henderson, Ryan                     Date Discovered: 8/16/2007
Flag Number: 9C070013                        Supersedes Flag Number: 9X060171

Bridge Description:
BIN: 1013799       Carried:  17   17 96061322       Crossed: EDWARDS ISLAND RD
Region: 9 - Binghamton     County: 6 - Sullivan
Political Unit: 0823 - Town of THOMPSON
Primary Owner:   10 - State Department of Transportation
Secondary Owner: 99 - One Agency - Listed in first subfield
Primary Maintenance:   10 - State - Highway Maintenance
Secondary Maintenance: 99 - One Agency - Listed in first subfield
Year Built: 1953        Not Posted For Load

Number of Spans by Type:          Num    Type                Description
002 - 114 - Steel - Plate Girder-Floorbeam System, Deck
002 - 117 - Steel - Truss, Deck

Bridge is wholly or partially owned or maintained by NYSDOT.

Description of Flagged Condition:
SAFETY FLAG 9C070013 Issued (Supersedes Flag 9X060171):

The Span 3 Deck center bay exhibits cracked, hollow-sounding haunch concrete along Stringer S5 in Floor Panel 7. Additionally, there is small area in the center of the bay at the same location with cement paste (which leaked through the formwork during construction) that is also hollow sounding.

These two areas are directly over the road shoulder along Edwards Island Road which is frequently used as a parking area especially by anglers. There is a potential for this loose concrete to fall on parked cars or pedestrians below.

There is no danger of this concrete falling onto vehicles travelling along the roadway, therefore Prompt Interim Action is not necessary.

1 Photos/Sketches Attached

Verbal Notifications: (For RED Flags and Safety Flags with PIA only)
To: ____________________ of Regional Office on ________ at ________

Signature:     (a signed copy of this report will be placed in the BIN folder)
Flagged Bridge Report Signed By: _______________ on __________

Henderson, Ryan

(This PDF Report Created: 1/8/2008 9:17:45 AM)
Carried: 17 17 96061322  Crossed: EDWARDS ISLAND RD

Discovery Date: 8/16/2007  RC: 96  BIN: 1013799

Safety Flag 9C070013 Attachment

07-0269.JPG - Attached to Safety Flag 9C070013

Span 3 Panel 7 Adjacent to Stringer S5
Yellow Flag 9C070014

Carried: 17 17 96061322  Crossed: EDWARDS ISLAND RD

Prompt Interim Action Recommended: No

Flag Number: 9C070014                        Supersedes Flag Number: 9X060174

Bridge Description:
BIN: 1013799     Carried: 17 17 96061322     Crossed: EDWARDS ISLAND RD

Region: 9 - Binghamton     County: 6 - Sullivan
Political Unit: 0823 - Town of THOMPSON
Primary Owner: 10 - State Department of Transportation
Secondary Owner: 99 - One Agency - Listed in first subfield
Primary Maintenance: 10 - State - Highway Maintenance
Secondary Maintenance: 99 - One Agency - Listed in first subfield
Year Built: 1953            Not Posted For Load

Number of Spans by Type:   Num   Type  Description
002 - 114 - Steel - Plate Girder-Floorbeam System, Deck
002 - 117 - Steel - Truss, Deck

Bridge is wholly or partially owned or maintained by NYSDOT.

Description of Flagged Condition:
YELLOW STRUCTURAL FLAG 9C070014 Issued (Supersedes Flag 9X060174):

Span 2 and 3 Stringers exhibit CRACKED TACK WELDS at Stringer Connections in 11 locations. Tack welds (TW) connect the vertically oriented Clip Angles to the Stringer (S) Webs at Floorbeam (FB) connections. The cracks occur in weld metal only, and result from pack rust prying forces. Locations follow:

1.) Sp2 Panel 2, S4 at End side of FB1: Both Upper TWs.
2.) Sp2 Panel 4, S3 at End side of FB3: Upper Left TW.
3.) Sp2 Panel 5, S5 at Begin side of FB5: Upper Right TW.
4.) Sp2 Panel 6, S7 at End side of FB5: Upper Left TW.
5.) Sp2 Panel 6, S8 at End side of FB5: Upper Right TW.
6.) Sp2 Panel 7, S8 at End side of FB6: Lower Left TW.
7.) Sp2 Panel 7, S7 at End side of FB6: Upper Left TW.
8.) Sp3 Panel 2, S4 at Begin side of FB2: Upper Left TW.
9.) Sp3 Panel 2, S2 at Begin side of FB2: Upper Right TW.
10.) Sp3 Panel 4, S7 at Begin side of FB4: Upper Left TW.
11.) Sp3 Panel 6, S3 at Begin side of FB6: Lower Left TW.

The Stringers are Load-Path-Redundant, but Internally Non-Redundant (rolled). Cracks occur in weld metal contiguous with Stringer webs at supports - an area with high shear. Cracks are not likely to propagate into Stringer base metal, but the possibility exists.

16 Photos/Sketches Attached

Verbal Notifications: (For RED Flags and Safety Flags with PIA only)
To: ____________________ of Regional Office on ______ at ______

Signature:     (a signed copy of this report will be placed in the BIN folder)
Flagged Bridge Report Signed By: ______________________________ on ______

Henderson, Ryan

(This PDF Report Created: 1/8/2008 9:17:45 AM)
Discovery Date: 8/13/2007
RC: 96   BIN: 1013799

Yellow Flag 9C070014 Attachment

Carried: 17   17 96061322   Crossed: EDWARDES ISLAND RD

07-0220.JPG - Attached to Yellow Flag 9C070014

Sp3 Panel 6, S3 at Begin side of FB6
Yellow Flag 9C070014 Attachment

Discovery Date: 8/13/2007
RC: 96   BIN: 1013799
Carried: 17   17 96061322   Crossed: EDWARDS ISLAND RD

07-0230.JPG - Attached to Yellow Flag 9C070014

Sp3 Panel 2, S2 at Begin side of FB2
<table>
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<th>Discovery Date: 8/13/2007</th>
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<td>Carried: 17  17 96061322  Crossed: EDWARDS ISLAND RD</td>
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</tbody>
</table>

07-0231.JPG - Attached to Yellow Flag 9C070014

Sp3 Panel 2, S2 at Begin side of FB2 (Close Up)
Yellow Flag 9C070014 Attachment

Discovery Date: 8/13/2007  
RC: 96  
BIN: 1013799

Carried: 17  17 96061322  
Crossed: EDWARDS ISLAND RD

07-0232.JPG – Attached to Yellow Flag 9C070014
Sp3 Panel 2, S4 at Begin side of FB2 (Close Up)
Carried: 17 17 96061322 Crossed: EDWARDS ISLAND RD

Yellow Flag 9C070014 Attachment

07-0233.JPG - Attached to Yellow Flag 9C070014

Sp3 Panel 2, S4 at Begin side of FB2
CRACK —
SP 2
FB 5 STR 5
END RIGHT

14 AUG 2007 15:46
07-0241.JPG - Attached to Yellow Flag 9C070014
Sp2 Panel 4, S3 at End side of FB3 (Begin Left of Stringer)
<table>
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<th>Carried: 17 17 96061322</th>
<th>Crossed: EDWARDS ISLAND RD</th>
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</thead>
</table>

### Yellow Flag 9C070014 Attachment

**Discovery Date:** 8/13/2007

**RC:** 96  **BIN:** 1013799

**07-0243.JPG - Attached to Yellow Flag 9C070014**

Sp2 Panel 4, S3 at End side of FB3 (Close Up)

![Image of yellow flag attachment](attachment:image.png)
07-0247.JPG - Attached to Yellow Flag 9C070014
Sp2 Panel 2, S4 at End side of FB1
07-0249.JPG - Attached to Yellow Flag 9C070014
Sp2 Panel 2, S4 at End side of FB1
<table>
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<th>Discovery Date: 8/13/2007</th>
<th>RC: 96</th>
<th>BIN: 1013799</th>
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</tbody>
</table>

07-0262.JPG - Attached to Yellow Flag 9C070014

| Sp2 Panel 6, S8 at End side of FB5 |        |              |

![Image of Sp2 Panel 6, S8 at End side of FB5 with handwritten notes: Sp2, S8, End side FB5, 16 AUG 2007 8:19]
07-0263.JPG - Attached to Yellow Flag 9C070014

Sp2 Panel 6, S7 at End side of FB5

16 AUG 2007  8:45
Carried: 17  17 96061322  Crossed: EDWARDS ISLAND RD

Discovery Date: 8/13/2007
RC: 96  BIN: 1013799

Yellow Flag 9C070014 Attachment

07-0264.JPG - Attached to Yellow Flag 9C070014

Sp2 Panel 7, S8 at End side of FB6 (Incorrectly Marked "FB 4")

[Image of writing on metal surface with dates and times: 16 Aug 2007 9:14]
Yellow Flag 9C070014 Attachment

07-0265.JPG - Attached to Yellow Flag 9C070014

Sp2 Panel 7, S7 at End side of FB6 (Incorrectly Marked "FB 4")
Yellow Flag 9C070014 Attachment

Discovery Date: 8/13/2007  
RC: 96  BIN: 1013799

Carried: 17  17 96061322  Crossed: EDWARDS ISLAND RD

07-0266.JPG - Attached to Yellow Flag 9C070014

Sp3 Panel 4, S7 at Begin side of FB4
Yellow Flag 9C070014 Attachment

07-0267.JPG - Attached to Yellow Flag 9C070014
Sp3 Panel 4, S7 at Begin side of FB4 (Close Up)
Prompt Interim Action Recommended: No

Inspector: Henderson, Ryan                  Date Discovered: 8/14/2007
Flag Number: 9C070015                      Supersedes Flag Number: 9X060175

Bridge Description:
BIN: 1013799     Carried:  17    17 96061322     Crossed: EDWARDS ISLAND RD
Region: 9 - Binghamton     County: 6 - Sullivan
Political Unit: 0823 - Town of THOMPSON
Primary Owner: 10 - State Department of Transportation
Secondary Owner: 99 - One Agency - Listed in first subfield
Primary Maintenance: 10 - State - Highway Maintenance
Secondary Maintenance: 99 - One Agency - Listed in first subfield
Year Built: 1953        Not Posted For Load

Number of Spans by Type: Num Type Description
002 - 114 - Steel - Plate Girder-Floorbeam System, Deck
002 - 117 - Steel - Truss, Deck

Bridge is wholly or partially owned or maintained by NYSDOT.

Description of Flagged Condition:
YELLOW STRUCTURAL FLAG 9C070015 Issued (Supersedes Flag 9X060175):

There are two locations which exhibits CRACKED WELDS at old Scupper Brackets. Cracks occur in transverse welds connecting the cutoff bracket plate (or angle) to the Stringer bottom flange near mid-panel. The cracks result from pack rust prying forces. Cracks occur in weld metal contiguous with Stringer tension flange near the point of maximum moment, and are perpendicular to the stress field. Cracks are not likely to propagate into Stringer base metal, but the possibility exists.

1.) Span 1 Panel 1 Left Fascia Stringer. Stringer is Load-Path-Redundant due to close spacing of Floorbeams and the Stringer is connected to multiple Floorbeams. The Stringer is also Internally Redundant being a built-up Riveted Member.

2.) Span 2 Panel 5 Stringer S5. Stringer is Load-Path-Redundant but Internally Non-Redundant.

4 Photos/Sketches Attached

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

To: ____________________ of Regional Office on ________ at ________

Signature:     (a signed copy of this report will be placed in the BIN folder)
Flagged Bridge Report Signed By: ______________________________ on ________

Henderson, Ryan

(This PDF Report Created: 1/8/2008 9:17:46 AM)
Discovery Date: 8/14/2007

Yellow Flag 9C070015 Attachment

Carried: 17 17 96061322 Crossed: EDWARDS ISLAND RD

07-0239.JPG - Attached to Yellow Flag 9C070015
Span 2 Panel 5 Stringer 5 Bracket Plate (Close Up)
<table>
<thead>
<tr>
<th>Carried: 17 17 96061322</th>
<th>Crossed: EDWARDS ISLAND RD</th>
</tr>
</thead>
</table>

**Discovery Date:** 8/14/2007  
**RC:** 96  
**BIN:** 1013799  
**Yellow Flag 9C070015 Attachment**

**07-0240.JPG - Attached to Yellow Flag 9C070015**  
Span 2 Panel 5 Stringer 5 Bracket Plate (Close Up)
Discovery Date: 8/14/2007
RC: 96    BIN: 1013799

Yellow Flag 9C070015 Attachment

Carried: 17   17 96061322    Crossed: EDWARDS ISLAND RD

07-0252.JPG - Attached to Yellow Flag 9C070015

Span 1 Panel 1 Left Fascia Stringer
Discovery Date: 8/14/2007

Yellow Flag 9C070015 Attachment

Carried: 17   17 96061322   Crossed: EDWARDS ISLAND RD

07-0253.JPG - Attached to Yellow Flag 9C070015

Span 1 Panel 1 Left Fascia Stringer (Close Up)
Discovery Date: 8/15/2007  
RC: 96  BIN: 1013799

Yellow Flag 9C070016

Prompt Interim Action Recommended: No

Inspector: Henderson, Ryan  
Date Discovered: 8/15/2007
Flag Number: 9C070016  
Supersedes Flag Number: 9X060176

Bridge Description:
BIN: 1013799  
Carried: 17  17 96061322  
Crossed: EDWARDS ISLAND RD

Region: 9 - Binghamton  
County: 6 - Sullivan
Political Unit: 0823 - Town of THOMPSON
Primary Owner: 10 - State Department of Transportation
Secondary Owner: 99 - One Agency - Listed in first subfield
Primary Maintenance: 10 - State - Highway Maintenance
Secondary Maintenance: 99 - One Agency - Listed in first subfield
Year Built: 1953  
Not Posted For Load

Number of Spans by Type:  
Num  Type  Description
002 - 114 - Steel - Plate Girder-Floorbeam System, Deck
002 - 117 - Steel - Truss, Deck

Bridge is wholly or partially owned or maintained by NYSDOT.

Description of Flagged Condition:
YELLOW STRUCTURAL FLAG 9C070016 Issued (Supersedes 9X060176):

Span 2 Panel 2 Stringer S2, at the Begin side of Floorbeam FB2, exhibits a CRACKED WEB at the cope. Crack is 1.5 inches long (including the perforation), and occurs in web base metal which is perforated and thin from corrosion section loss pre-dating the current paint system. Oxide flour is present, indicating a "working" crack.

Stringers are Load-Path-Redundant, but Internally Non-Redundant (rolled). The crack occurs in an area of high shear, and the possibility of further propagation exists.

2 Photos/Sketches Attached

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

To: ____________________ of Regional Office on ________ at ________

Signature: (a signed copy of this report will be placed in the BIN folder)
Flagged Bridge Report Signed By: ______________________________ on ________
   Henderson, Ryan

(This PDF Report Created: 1/8/2008 9:17:46 AM)
07-0244.JPG - Attached to Yellow Flag 9C070016

Span 2 Panel 2 Stringer S2, at the Begin side of Floorbeam FB2 (Incorrectly Marked FB1).
Yellow Flag 9C070016 Attachment

Discovery Date: 8/15/2007
RC: 96  BIN: 1013799

Carried: 17  17 96061322  Crossed: EDWARDS ISLAND RD

07-0246.JPG - Attached to Yellow Flag 9C070016
Span 2 Panel 2 Stringer S2, at the Begin side of Floorbeam FB2 (Close Up).
Prompt Interim Action Recommended: No

Inspector: Henderson, Ryan  Date Discovered: 8/16/2007
Flag Number: 9C070017  Supersedes Flag Number: 9X060177

Bridge Description:
BIN: 1013799  Carried: 17 17 96061322  Crossed: EDWARDS ISLAND RD

Region: 9 - Binghamton  County: 6 - Sullivan
Political Unit: 0823 - Town of THOMPSON
Primary Owner: 10 - State Department of Transportation
Secondary Owner: 99 - One Agency - Listed in first subfield
Primary Maintenance: 10 - State - Highway Maintenance
Secondary Maintenance: 99 - One Agency - Listed in first subfield
Year Built: 1953  Not Posted For Load

Number of Spans by Type:  Num  Type  Description
002 - 114 - Steel - Plate Girder-Floorbeam System, Deck
002 - 117 - Steel - Truss, Deck

Bridge is wholly or partially owned or maintained by NYSDOT.

Description of Flagged Condition:
YELLOW STRUCTURAL FLAG 9C070017 Issued (Supersedes Flag 9X060177):

Span 2 Floorbeam FB5 exhibits a cracked tack weld AND microcracking in the connection angle at the Right Fascia Stringer connection, on the End side of FB5. The tack weld connects the vertically-oriented Clip Angle to the Floorbeam Web. The same Clip Angle exhibits vertical cracking in the fillet, below an old repair weld - probably applied for the same condition occurring earlier.

The tack weld occurs at the outer end of the Floorbeam, past the rolled Stringer S10 (circa 1984 rehab). Photographing the tack weld crack was difficult due to the close proximity of the Stringer S10.

2 Photos/Sketches Attached

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

To: ____________________ of Regional Office on ________ at ________

Signature:     (a signed copy of this report will be placed in the BIN folder)
Flagged Bridge Report Signed By: ______________________________ on ________

Henderson, Ryan

(This PDF Report Created: 1/8/2008 9:17:46 AM)
Discovery Date: 8/16/2007
RC: 96   BIN: 1013799

Yellow Flag 9C070017 Attachment

Carried: 17  17 96061322   Crossed: EDWARDS ISLAND RD

07-0260.JPG - Attached to Yellow Flag 9C070017
Span 2 Floorbeam FB5 Connection Angle at the Right Fascia with Microcracking in the Fillet

16 AUG 2007   8:13
Discovery Date: 8/16/2007

Yellow Flag 9C070017 Attachment

Carried: 17 17 96061322  Crossed: EDWARDS ISLAND RD

07-0261.JPG – Attached to Yellow Flag 9C070017
Span 2 Floorbeam FB5 Connection Angle at the Right Fascia with Cracked Tack Weld
(Location of Weld Made Photographing Difficult)
Prompt Interim Action Recommended: No

Flag Number: 9C070018                        Supersedes Flag Number: __________

Bridge Description:
BIN: 1013799     Carried: 17   17 96061322     Crossed: EDWARDS ISLAND RD

Region: 9 - Binghamton     County: 6 - Sullivan
Political Unit: 0823 - Town of THOMPSON
Primary Owner: 10 - State Department of Transportation
Secondary Owner: 99 - One Agency - Listed in first subfield
Primary Maintenance: 10 - State - Highway Maintenance
Secondary Maintenance: 99 - One Agency - Listed in first subfield
Year Built: 1953        Not Posted For Load

Number of Spans by Type:    Num   Type Description
 002 - 114 - Steel - Plate Girder-Floorbeam System, Deck
 002 - 117 - Steel - Truss, Deck

Bridge is wholly or partially owned or maintained by NYSDOT.

Description of Flagged Condition:
SAFETY FLAG 9C070018 Issued (No Previous Flag Superseded):

There continue to be areas of loose hollow sounding concrete on the bottom face of the Cap Beam of Pier 3 (previously flagged for the similar condition - 9X060178, removed by NYSDOT after some repairs were done). These areas have the potential to spall allowing the concrete to fall within the next year.

The Cap Beam is directly adjacent to and above a parking pulloff frequently used by anglers. The loose concrete can fall either directly onto the parking area or can ricochet off the stone-paved abutment slope and land in the travel lane of Edwards Island Rd.

There is no danger of this concrete falling onto vehicles travelling along the roadway, therefor Prompt Interim Action is not necessary.

1 Photos/Sketches Attached

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

To: ____________________ of Regional Office on ________ at ________

Signature:     (a signed copy of this report will be placed in the BIN folder)
Flagged Bridge Report Signed By: ______________________________ on ________

Henderson, Ryan

(This PDF Report Created: 1/8/2008 9:17:46 AM)
Discovery Date: 8/13/2007

Safety Flag 9C070018 Attachment

Carried: 17 17 96061322 Crossed: EDWARDS ISLAND RD

07-0222.JPG - Attached to Safety Flag 9C070018

Pier 3 Loose Concrete Bottom of Cap Beam
Prompt Interim Action Recommended: No

Inspector: Henderson, Ryan                   Date Discovered: 8/16/2007
Flag Number: 9C070019                        Supersedes Flag Number: __________

Bridge Description:
BIN: 1013799     Carried: 17   17 96061322     Crossed: EDWARDS ISLAND RD

Region: 9 - Binghamton     County: 6 - Sullivan
Political Unit: 0823 - Town of THOMPSON
Primary Owner:   10 - State Department of Transportation
Secondary Owner: 99 - One Agency - Listed in first subfield
Primary Maintenance:   10 - State - Highway Maintenance
Secondary Maintenance: 99 - One Agency - Listed in first subfield
Year Built: 1953        Not Posted For Load

Number of Spans by Type: Num   Type  Description
002 - 114 - Steel - Plate Girder-Floorbeam System, Deck
002 - 117 - Steel - Truss, Deck

Bridge is wholly or partially owned or maintained by NYSDOT.

Description of Flagged Condition:
SAFETY FLAG 9C070019 Issued (No Previous Flag Superseded):

There is one location at midspan of Span 1 in the Eastbound Right lane and three locations around the midspan of Span 3 in the Eastbound Right lane where the concrete wearing surface is spalling with hollow sounding areas around them.

It is likely within the next freeze/thaw cycle that the hollow sounding area will spall and become loose. The loose concrete would create hazardous debris in the travel way which could affect vehicle control or be kicked up and impact a travelling vehicle.

This is a extremely high speed and high volume travel way making this condition a safety issue for the travelling public. However, no immediately loose concrete was observed during inspection therefor Prompt Interim Action is not necessary.

3 Photos/Sketches Attached

Verbal Notifications: (For RED Flags and Safety Flags with PIA only)
To: ____________________ of Regional Office on ________ at _______

Signature:     (a signed copy of this report will be placed in the BIN folder)
Flagged Bridge Report Signed By: ______________________________ on ________
Henderson, Ryan

(This PDF Report Created: 1/8/2008 9:17:46 AM)
Discovery Date: 8/16/2007  
RC: 96  BIN: 1013799  

Safety Flag 9C070019 Attachment  

Carried: 17  17 96061322  Crossed: EDWARDS ISLAND RD

07-0271.JPG - Attached to Safety Flag 9C070019

Span 1 Spalled Wearing Surface Eastbound Right Lane
Discovery Date: 8/16/2007

Safety Flag 9C070019 Attachment

Carried: 17 17 96061322  Crossed: EDWARDS ISLAND RD

07-0273.JPG - Attached to Safety Flag 9C070019

Span 3 Spalled Wearing Surface Eastbound Right Lane
Discovery Date: 8/16/2007

Safety Flag 9C070019 Attachment

Carried: 17 17 96061322  Crossed: EDWARDS ISLAND RD

07-0274.JPG - Attached to Safety Flag 9C070019

Span 3 Spalled Wearing Surface Eastbound Right Lane
Prompt Interim Action Recommended: No

Inspector: Henderson, Ryan  
Date Discovered: 10/24/2007

Flag Number: 9C070062  
Supersedes Flag Number: __________

Bridge Description:
BIN: 1013799  
Carried: 17 17 96061322  
Crossed: EDWARDS ISLAND RD

Region: 9 - Binghamton  
County: 6 - Sullivan

Primary Owner: 10 - State Department of Transportation
Secondary Owner: 99 - One Agency - Listed in first subfield
Primary Maintenance: 10 - State - Highway Maintenance
Secondary Maintenance: 99 - One Agency - Listed in first subfield
Year Built: 1953  
Not Posted For Load

Number of Spans by Type:  
Num Type Description
002 - 114 - Steel - Plate Girder-Floorbeam System, Deck
002 - 117 - Steel - Truss, Deck

Bridge is wholly or partially owned or maintained by NYSDOT.

Description of Flagged Condition:
YELLOW STRUCTURAL FLAG 9C070062 Issued (No Previous Flag Superseded):

Per the BLRS Level 2 Load Rating, the floorbeam ratings for H20 are 17 Tons Inventory and 26 Tons Operating. Per EI 05-034, the maximum allowable posting for the bridge is 22 Tons. There is no significant section loss of the floorbeams. It is recommended that the Owner perform a Level One Load Rating Analysis to determine a more accurate rating.

0 Photos/Sketches Attached

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

To: _________________ of Regional Office on ______ at ______

Signature:     (a signed copy of this report will be placed in the BIN folder)
Flagged Bridge Report Signed By: ______________________________ on ______
Henderson, Ryan

(This PDF Report Created: 1/8/2008 9:17:47 AM)