

## 15635 Howland – Piscataquis River Bridge #3040

Pontis 4.4.3 - You are currently logged in as BROWSER - [Bridge Inspection Mode: Edit Type: Regular NBI Key: EK55]

File View Tools Window Help

Bridge: 3040 Find... Inspections (2): 03/20/2007 Metric English Reports... Save

1 CONDITION 2 NOTES 3 WORK 4 APPRAISAL 5 INVENTORY 6 MAINE DOT 7 SCHEDULE 8 MEDIA

NBI Rating: Deck (58): 5 Fair Substructure (60): 4 Poor Culvert (62): N N/A (NBI)  
 Superstructure (59): 5 Fair Channel (61): 5 Bank Prot Ero Waterway (71): 9 Above Desirab  
 Unrepaired spalls: -1.000 (SF) Review Needed:  Status: New

Create Element Edit Element Remove Element NBI Translator Suff Rate Validate Quantity Percent

| Key: 1     |                           | Structure Unit ID: 1 |      | Type: M Main |        |          |          |       |
|------------|---------------------------|----------------------|------|--------------|--------|----------|----------|-------|
| Elem / Env | Element Description       | Quantity             | UOM  | Qty1         | Qty2   | Qty3     | Qty4     | Qty5  |
| 22 / 2     | P Conc Deck/Rigid Ov (ea) | 11,088.02            | (SF) | 0.00         | 0.00   | 0.00     | 1,088.02 | 0.00  |
| 302 / 2    | Compressn Joint Seal      | 42.00                | (LF) | 8.39         | 23.10  | 10.50    | 0.00     | 0.00  |
| 113 / 2    | Paint Stl Stringer        | 3,168.00             | (LF) | 1,172.16     | 855.36 | 823.68   | 316.80   | 0.00  |
| 121 / 2    | P/Stl Thru Truss/Bot      | 1,056.00             | (LF) | 0.00         | 0.00   | 1,034.88 | 21.12    | 0.00  |
| 126 / 2    | P/Stl Thru Truss/Top      | 1,056.00             | (LF) | 0.00         | 0.00   | 897.60   | 137.28   | 21.12 |
| 152 / 2    | Paint Stl Floor Beam      | 651.00               | (LF) | 345.03       | 175.77 | 110.67   | 19.53    | 0.00  |

Compare: 3/20/2007 EKSS 0.00 0.00 1,034.88 21.12 0.00

Element Condition < none >

State: 1 No corrosion There is no evidence of active corrosion, and the paint system is sound and functioning as intended

Ready prod\_pontis (browser) EDIT OFF 06/12/2008 14:40:05

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Show:  All Notes  Structure Notes Only  Inspection Notes Only

Structure Notes:



Empty text area for Structure Notes.

Inspection Notes:



Diver's Notes:  
Both piers have exposed footings. Pier #1(Ely) has exposed footing with undermining up to 24" deep x 19" hi. Was 18" deep x 6" hi in 2000. Rest of footing exposed completely around pier.  
Pier #2 (Wly) has exposed footing just at nose - up to 15" max.  
Typical scour scenarios with sand deposits DS of ea. pier.  
Ely abut. has no footing exposed.  
Wly abut. has footing exposed up to 17".

Inspector's Notes:  
The bridge overall is in fair cond. with scour issues and section loss through various truss members.  
The pier conc. has significant cracking and spalls.  
The abutment conc. is in fair cond.  
The bearings are fair/good cond.

Floor beams & soffit/deck in fair cond. Vertical posts, overhead truss, and br. rail have hit damage.  
The WS is in fair cond.  
Rust is prevalent throughout the truss members.

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| Work Candidate ID          | Scope               | Work      | Date Rec.  | Year | Quantity |   |
|----------------------------|---------------------|-----------|------------|------|----------|---|
| A-DOT001-0D950622-00000000 | P/Stl Thru Truss/To | Repl Elem | 03/20/2007 | 2007 | 0.0      | <input type="button" value="Create"/><br><input type="button" value="Remove"/><br><input type="button" value="Help"/> |

Select Type of Work: Element NBI Project Info... Show Bridge Projects...

**Type of Work: Element**

Candidate ID: A-DOT001-0D950622-00000000

Structure Unit: 1 / Type=M

Element: 126 - P/Stl Thru Truss/Top

Action: 31 - Repl Elem

Priority: 1 - Medium

Date Recommended: 3/20/2007

Target Year: 2007

Assigned: No

Work Assignment: 0 - Agency

Status: 0 - Approved

Estimated Quantity: 0.0 (LF)

Estimated Cost: \$0.00

Applicable Condition States: 1 2 3 4 5

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1 Other Ratings  
2 Load Ratings

**Structure Appraisal:**

Open/Posted/Closed (41): A Open, no restriction  
Approach Alignment (72): 7 Above Min Criteria  
Bridge Railings (36a): 0 Substandard  
Transitions (36b): 0 Substandard  
Approach Guardrail (36c): 0 Substandard  
Appr Guardrail Ends (36d): 0 Substandard  
Pier Protection (111): Unknown (NBI)  
Scour Critical (113): 3 SC - Unstable

**NBI Appraisal Ratings - calculated:**

Structural Eval (67): 4 Minimum Tolerable  
Deck Geometry (68): 2 Intolerable - Replace  
Underclearances (69): N Not applicable (NBI)  
SD / FO Status: Structurally Deficient  
Sufficiency Rating: 48.6  
Health Index: 0

**Minimum Vertical Clearances:**

Over Structure (53): 14.583 ft  
Under (Reference) (54a): N Feature not hwy or F  
Under Clearance (54b): 0.000 ft

**Minimum Lateral Underclearance:**

Reference Feature (55a): N Feature not hwy or F  
Right Side (55b): 99.900 ft  
Left Side (56): 99.900 ft

**Navigation Data:**

Navigation Control Exists (38): Permit Not Required  
Nav Vertical Clr (39): 0 ft  
Nav Horizontal Clr (40): 0.000 ft  
Min Vert Lift Clr (116): 0 ft

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1 ID/Admin

Structure Identification:

Bridge No.: 3040

Name: PISCATAQUIS

NBI Structure No (8): 3040

BRKEY: 3040

2 Design

Location:

Region (2): 04 Eastern

County (3): 019 Penobscot

City/Town/Placecode (4): 19310 Howland

Feature Intersected (6a): PISCATAQUIS RIVER

Facility Carried (7): COFFIN STR/RTE 116

Location (9): 1 MI NE RTE 6

Latitude (16) / Long (17): 64d 10' 00.00" 021d 57' 00.00"

Border St/FHWA Reg (98): Not Applic. Not Applica

Share: 0 %

Border Struct No (99): n/a

FIPS State/Region (1): 23 Region 1-Albany

3 Roads

4 Structure Units

5 Classification

Age and Service:

Year Built (27): 1928

Year Reconstruct (106): -4

Type of Service On (42a): 5 Highway-pedestrian

Under (42b): 5 Waterway

# Lanes Under (28b): 0

Management:

Maint Resp (21): State Highway Agency

Owner (22): State Highway Agency

On/Off Agency System: On System

Agency Bridge Group: GP17

Division: 03 Bangor

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1 Bridge  
2 Inspections  
3 Roadways  
4 Structure Units

|                    |              |                  |                      |
|--------------------|--------------|------------------|----------------------|
| <b>Bridge No.</b>  | <b>Town</b>  | <b>Owner</b>     | <b>Maintainer</b>    |
| 3040               | Howland      | 1 State DOT      | 1 State DOT          |
| <b>Bridge Name</b> | <b>Town2</b> | <b>Co-Owner</b>  | <b>Co-Maintainer</b> |
| PISCATAQUIS        | no town      | N Not applicable | N Not applicable     |

|                     | Main Span        | Approach Span |  |
|---------------------|------------------|---------------|--|
| <b>Type</b>         | 5 Truss          | -             | <b>Clear Span Length</b> 0.0 ft            |
| <b>Sub Type</b>     | 2 Thru           | -             | <b>Min Vertical Underclearance</b> 18.0 ft |
| <b>Construction</b> | 2 Riveted        | -             | <b>Curb Reveal Left</b> 0.7 ft             |
| <b>Material</b>     | 1 Steel          | -             | <b>Curb Reveal Right</b> 0.7 ft            |
| <b>Continuity</b>   | 1 Non Continuous | -             |  |
| <b>Composite</b>    | 1 Non Composite  | -             |  |
| <b>Movable</b>      | 0 No             | -             |  |

**Repairs Done**

|     |      |    |
|-----|------|----|
| 1st | 1973 | -1 |
| 2nd | 1972 | -1 |
| 3rd | 0    | -1 |
| 4th | 0    | -1 |
| 5th | 0    | -1 |

Wear Surf Repl Year: 0  
Year Complete Painting: 0

**Shaft and Foundation**

|                          |                  |
|--------------------------|------------------|
| <b>Shaft Type 1</b>      | 1 Mass Concrete  |
| <b>Shaft Type 2</b>      | N Not Applicable |
| <b>Shaft Type 3</b>      | N Not Applicable |
| <b>Foundation Type 1</b> | 3 Gravel base    |
| <b>Foundation Type 2</b> | N Not Applicable |
| <b>Foundation Type 3</b> | N Not Applicable |

**Posting Status** 1 Open

**Posting Type** 0 None needed

**Single Vehicle Loading** 0.0 ton

**Semi Truck Loading** 0.0 ton

**Utilities**

|                  |     |                    |     |
|------------------|-----|--------------------|-----|
| <b>Telephone</b> | Yes | <b>TV Cable</b>    | No  |
| <b>Water</b>     | Yes | <b>Power</b>       | Yes |
| <b>Sewer</b>     | No  | <b>Dry Hydrant</b> | No  |
| <b>Gas</b>       | No  | <b>Other</b>       | No  |

**Summary:**

Inspection Date: 03/20/2007  
 Inspector: C. EDWARDS (36)  
 Primary Type: Regular NBI  
 Review Required:   
 Inspection Group: -1

**Types Of Inspections Performed:**

National Bridge Inventory:   
 Element:   
 Fracture Critical:   
 Underwater:   
 Other Special:

**Schedule:**

|                          | Required (Y/N)                      | Last Date        | Frequency     | Next Date  |
|--------------------------|-------------------------------------|------------------|---------------|------------|
| NBI (90):                |                                     | 11/04/2004       | (91): 24 mos  | 03/20/2009 |
| Fracture Critical (92A): | <input type="checkbox"/>            | (93A): 1/1/1901  | (92A): -1 mos | 1/1/1901   |
| Underwater (92B):        | <input checked="" type="checkbox"/> | (93B): 10/5/2000 | (92B): 24 mos | 3/20/2012  |
| Other Special (92C):     | <input type="checkbox"/>            | (93C): 1/1/1901  | (92C): -1 mos | 1/1/1901   |
| Element:                 | NA                                  |                  | 24 mos        | 03/20/2009 |

**Bridge Inspection Resources:**

Next Inspector: P. Pontis (1) Crew Hours: 0 Snooper Hours: 0  
 Bridge Group: GP17 Flagger Hours: 0 Special Crew Hours: 0  
 Helper Hours: 0 Special Equip Hours: 0



Damaged flange



Damaged truss post/connection



Bridge rail damage



Rotted angle

3040

Howland

Piscataquis

03-20-07



Soffit/beams



Left abutment



General view



Truss connections - Upstream side

3040

Howland

Piscataquis

09-27-06



General view



Looking easterly



Sidewalk



Truss - note paint failure

3040

Howland

Piscataquis

03-20-07

20.06

