

Bridge Inspection Report

NBI Structure Number: 018402400010400

New Hampton 240/104

Date of Inspection: 03/05/2024

SMITHS CROSSING

Date Report Sent: 04/26/2024

over

Owner: NHDOT

NHRR

Bridge Inspection Group: C-Team

Bridge Maintenance Crew: 03

Recommended Postings:

Weight: **'Bridge Closed' and barricaded at both ends**

Weight Sign OK

BRIDGE IS CLOSED AND BARRICADED 03/05/2024.

Width: **One Lane Bridge**

Width Sign OK

BRIDGE IS CLOSED AND BARRICADED 03/05/2024.

Primary Height Sign Recommendation: *None*

Clearances: Over: 99.99

Height Sign OK

Optional Centerline Height Sign Rec: *None*

(Feet) Under: 20.50

Route: 99.99

Condition:

Red List Status: State Redlist

Deck: 1 Closed - Failing

Superstructure: 4 Poor

Substructure: 5 Fair

Culvert: N N/A (NBI)

Sufficiency Rating: -2 %

Bridge Rail: Substandard

Rail Transition: Substandard

Bridge Approach Rail: Substandard

Approach Rail Ends: Substandard

Structure Type and Materials:

Number of Main Spans: 3

Number of Approach Spans: 0

Main Span Material and Design Type

Wood or Timber/Stringer/Girder

NH Bridge Type: TB (Timber Bridge)

Deck Type: Wood or Timber

Wearing Surface: Wood or Timber

Membrane: None

Deck Protection: None

Curb Reveal: Not Measured

Plan Location:

Total Bridge Length: 82.0 ft

Right Curb/Sidewalk Width: 0.0 ft

Total Bridge Width: 16.0 ft

Median: No median

Bridge Skew: 0.00 °

Year Built/Rebuilt: 1940

Bridge Dimensions:

Length Maximum Span: 33.0 ft

Left Curb/Sidewalk Width: 0.0 ft

Width Curb to Curb: 14.5 ft

Approach Roadway Width: 11.0 ft

(W/Shoulders)

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Bridge Service:

Type of Service on Bridge: Pedestrian-bicycle

Type of Service Under: Railroad

Lanes on Bridge: 0

Lanes Under: 0

AADT: 0

Percent Trucks: 0%

Year of AADT: 2008

Future AADT: 0

Year of Future AADT: 2028

Federal or State Definition Bridge: NH-Definition Bridge

National Highway System: Bridge does not carry NHS

Roadway Functional Class: Rural, Local

New Hampshire Bridge Tier: 6

Eligibility for the National Register of Historic Places: Possibly eligible for

Traffic Direction: Highway traffic not carried

National Bridge Inventory (NBI) Appraisal Ratings:

Deck Geometry: N Not applicable (NBI)

Underclearances: 4 Tolerable

Approach Alignment: 3 Intolerable - Correct

Structural Evaluation:

Channel/Channel Protection: N N/A (NBI)

Waterway Adequacy: N Not applicable

Bridge Scour Critical Status: N Not Over Waterway

Riprap Condition: unknown

Debris Present: unknown

Channel Notes:

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Element Details

No.	Description	Material Notes and Condition Notes:
31	Timber Deck	TIMBERS IN POOR CONDITION. ONE HOLED AREA. HEAVY DECAY. DEBRIS AND VEGETATION COVERED.
111	Timber Open Girder/Beam	8 - TIMBERS AT APPROACH. 7 OVER RR TRACKS. CRACKED, SPLIT AND DECAYED. HOLLOW SOUNDING AT ENDS AND EXTERIORS FULL LENGTH.
206	Timber Column	CRACKED, SPLIT AND MODERATE DECAY.
217	Masonry Abutment	CUT STONE. MINOR SETTLEMENT.
235	Timber Pier Cap	CRACKED, SPLIT AND MODERATE DECAY. HOLLOW SOUNDING.
332	Timber Bridge Railing	CRACKED, SPLIT AND DECAYED. SECTIONS MISSING AT EAST AND WEST.

Element States

No.	Description	Quantity	Units	State 1	State 2	State 3	State 4
31	Timber Deck	1,313	sq.ft	0%	0%	0%	100%
111	Timber Open Girder/Beam	640	ft	0%	0%	100%	0%
206	Timber Column	8	each	0%	50%	50%	0%
217	Masonry Abutment	33	ft	0%	100%	0%	0%
235	Timber Pier Cap	33	ft	0%	0%	50%	50%
332	Timber Bridge Railing	164	ft	0%	0%	0%	100%

Bridge Notes:

ROAD CLOSED 3/29/11. ROAD CLOSED 3/8/12.
05/29/2013: ROAD OPEN AND APPEARS THAT IT IS BEING USED TO HAUL OUT TIMBER.
12/11/2014: BRIDGE IS INACCESSIBLE (NOT PLOWED). BRIDGE VISITED ON FOOT, NO POSTING SIGNS. THIS BRIDGE IS SITUATED ON A CLASS VI PORTION OF JACKSON POND ROAD, AND IS NOT CONSIDERED TO BE A HIGHWAY BRIDGE. NHDOT IS IN THE PROCESS OF DETERMINING THE FEASIBILITY OF BRIDGE REMOVAL (SEE EMAILS FROM Kathleen Mulcahey-Hampson DATED 10-31-2014). BRIDGE IS CLOSED AND BARRICADED 5/22/2017.

Inspection Notes: 03/05/2024

TER - inspection comments - ***CLOSED AND BARRICADED***
DECK: TIMBER - HEAVY DECAY, HOLED / SECTIONS MISSING; PARTIALLY COVERED WITH GRAVEL AND GROWING TREES AND VEGETATION. SNOW COVERED 03/05/2024. RAIL - HEAVILY DECAYED WITH SEVERAL SECTIONS MISSING.
SUPERSTRUCTURE: TIMBER IS DECAYED, CRACKS, CHECKS AND SPLITS.
SUBSTRUCTURE: ABUTMENTS - FAIR CONDITION. PIERS - FAIR CONDITION.

Previous Inspection Notes: 11/30/2023

MAS - inspection comments - ***CLOSED AND BARRICADED***
DECK: TIMBER - HEAVY DECAY, HOLED / SECTIONS MISSING; PARTIALLY COVERED WITH GRAVEL AND GROWING TREES AND VEGETATION. SNOW COVERED 11/30/2023. RAIL - HEAVILY DECAYED WITH SEVERAL SECTIONS MISSING.
SUPERSTRUCTURE: TIMBER IS DECAYED, CRACKS, CHECKS AND SPLITS.
SUBSTRUCTURE: ABUTMENTS - FAIR CONDITION. PIERS - FAIR CONDITION.

Approach and Roadway Notes:

GRAVEL ROAD. BRIDGE ACCESSIBLE OFF WINONA ROAD. NOT MAINTAINED. CLASS VI ROAD SOUTH OF BRIDGE HEAVILY ERODED TO JACKSON POND ROAD.

Unusual or experimental features:

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Inspection History

Inspection Date	Inspector Initials	Inspection Type(s) Performed				Major Element Ratings				Red list	Posting
		NBI	Elem	FCM	U/W	Deck	Super	Sub	Culvert		
03/05/2024	TER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	4	5	N	<input checked="" type="checkbox"/>	Bridge Closed
11/30/2023	MAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	4	5	N	<input checked="" type="checkbox"/>	Bridge Closed
03/24/2023	MAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	4	5	N	<input checked="" type="checkbox"/>	Bridge Closed
11/07/2022	KJT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	4	5	N	<input checked="" type="checkbox"/>	Bridge Closed
03/10/2022	KJT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	4	5	N	<input checked="" type="checkbox"/>	Bridge Closed
01/25/2022	MAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	4	5	N	<input checked="" type="checkbox"/>	Bridge Closed
05/25/2021	KJT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	4	5	N	<input checked="" type="checkbox"/>	Bridge Closed
05/09/2019	KJT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	4	5	N	<input checked="" type="checkbox"/>	Bridge Closed
05/22/2017	MAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	4	5	N	<input checked="" type="checkbox"/>	Bridge Closed
05/28/2015	JEL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	4	5	N	<input checked="" type="checkbox"/>	Bridge Closed
12/11/2014	MAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	4	5	N	<input checked="" type="checkbox"/>	6 Tons
05/29/2013	MAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	4	5	N	<input checked="" type="checkbox"/>	6 Tons
10/30/2012	MAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	4	5	N	<input checked="" type="checkbox"/>	6 Tons
03/08/2012	MAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	4	5	N	<input checked="" type="checkbox"/>	6 Tons
11/08/2011	MAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	4	5	N	<input checked="" type="checkbox"/>	6 Tons
03/29/2011	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	4	5	N	<input checked="" type="checkbox"/>	6 Tons
11/08/2010	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	4	5	N	<input checked="" type="checkbox"/>	6 Tons
03/11/2010	KJT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	4	5	N	<input checked="" type="checkbox"/>	6 Tons
11/20/2009	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	4	5	N	<input checked="" type="checkbox"/>	6 Tons
11/13/2008	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	4	5	N	<input checked="" type="checkbox"/>	6 Tons
04/02/2008	KJT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	4	5	N	<input checked="" type="checkbox"/>	6 Tons
11/05/2007	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	4	5	N	<input checked="" type="checkbox"/>	6 Tons
05/14/2007	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	8	7	N	<input checked="" type="checkbox"/>	6 Tons
04/12/2007	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3	4	5	N	<input checked="" type="checkbox"/>	6 Tons
11/08/2006	RLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	5	5	N	<input checked="" type="checkbox"/>	6 Tons
03/29/2006	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	5	5	N	<input checked="" type="checkbox"/>	6 Tons
11/30/2005	RLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	5	5	N	<input checked="" type="checkbox"/>	6 Tons
03/25/2005	RLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	5	5	N	<input checked="" type="checkbox"/>	6 Tons
10/19/2004	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	5	5	N	<input checked="" type="checkbox"/>	6 Tons
03/18/2004	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	5	5	N	<input checked="" type="checkbox"/>	6 Tons
10/24/2003	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	5	5	N	<input checked="" type="checkbox"/>	6 Tons
04/07/2003	RLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	5	5	N	<input checked="" type="checkbox"/>	6 Tons
10/23/2002	RLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	5	5	N	<input checked="" type="checkbox"/>	6 Tons
03/11/2002	RLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	5	5	N	<input checked="" type="checkbox"/>	6 Tons
09/14/2001	RLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	5	5	N	<input checked="" type="checkbox"/>	6 Tons
04/24/2001	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	5	5	N	<input checked="" type="checkbox"/>	6 Tons
11/01/2000	RLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	5	6	N	<input checked="" type="checkbox"/>	6 Tons
03/30/2000	RLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	5	6	N	<input checked="" type="checkbox"/>	6 Tons
11/24/1999	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4	5	6	N	<input checked="" type="checkbox"/>	6 Tons
04/01/1998		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	6	6	N	<input checked="" type="checkbox"/>	6 Tons
12/01/1997		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	6	6	N	<input checked="" type="checkbox"/>	6 Tons
04/01/1997		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	6	6	N	<input checked="" type="checkbox"/>	6 Tons
12/01/1996		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	6	6	N	<input checked="" type="checkbox"/>	6 Tons
04/01/1996		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	6	6	N	<input checked="" type="checkbox"/>	6 Tons
10/01/1994		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	6	6	N	<input type="checkbox"/>	No Posting Req'd
03/01/1993		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5	6	6	N	<input type="checkbox"/>	No Posting Req'd

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Inspection Frequency (mo.)			
NBI	Elem	FCM	U/W
8	8	N/A	N/A