

Bridge Inspection Report

NBI Structure Number: 014301620010500

Langdon 162/105

Date of Inspection: 07/17/2023

BYPASSED HISTORIC

Date Report Sent: 11/22/2023

over

Owner: Municipality

COLD RIVER

Bridge Inspection Group: B-Team

McDermott Covered Bridge

Bridge Maintenance Crew: OTHER

Recommended Postings:

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

Weight Sign OK

Width: **Not Required**

Width Sign OK

Primary Height Sign Recommendation: *None*

Clearances: Over: 11.08

Height Sign OK

Optional Centerline Height Sign Rec: *None*

(Feet) Under: 0.00

Route: 11.08

Condition:

Red List Status: Historic or Bypassed

Deck: 1 Closed - Failing

Superstructure: 1 Closed - Failing

Substructure: 1 Closed - Failing

Culvert: N N/A (NBI)

Sufficiency Rating: -2%

Bridge Rail: N/A or not required

Rail Transition: N/A or not required

Bridge Approach Rail: N/A or not required

Approach Rail Ends: N/A or not required

Structure Type and Materials:

Number of Main Spans: 1

Number of Approach Spans: 0

Main Span Material and Design Type

Wood or Timber/Truss-Thru

NH Bridge Type: TB-C (Covered Bridge)

Deck Type: Wood or Timber

Wearing Surface: Wood or Timber

Membrane: None

Deck Protection: None

Curb Reveal: Not Measured

Plan Location: unknown

Total Bridge Length: 85.0 ft

Right Curb/Sidewalk Width: 0.0 ft

Total Bridge Width: 16.5 ft

Median: No median

Bridge Skew: 0.00°

Year Built/Rebuilt: 1869/2007

Bridge Dimensions:

Length Maximum Span: 80.0 ft

Left Curb/Sidewalk Width: 0.0 ft

Width Curb to Curb: 14.0 ft

Approach Roadway Width: 12.0 ft
(W/Shoulders)

Bridge Inspection Report

NBI Structure Number: 014301620010500

Langdon 162/105

Bridge Service:

Type of Service on Bridge: Pedestrian-bicycle

Type of Service Under: Waterway

Lanes on Bridge: 0

Lanes Under: 0

AADT: 0

Percent Trucks: 0%

Year of AADT: 1993

Future AADT: 0

Year of Future AADT: 2013

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: 5

Eligibility for the National Register of Historic Places: Br eligible for NRHP

Traffic Direction: Highway traffic not carried

National Bridge Inventory (NBI) Appraisal Ratings:

Deck Geometry: N Not applicable (NBI)

Underclearances: N Not applicable (NBI)

Approach Alignment: 0 Bridge closed

Structural Evaluation:

Channel/Channel Protection: 7 Minor Damage

Waterway Adequacy: 8 Equal Desirable

Bridge Scour Critical Status: 8 Stable Above Footing

Riprap Condition: Fair Condition

Debris Present: No Debris Present

Channel Notes:

Bridge Inspection Report

NBI Structure Number: 014301620010500

Langdon 162/105

Element Details

Element States

Bridge Notes:

McDermott Covered Bridge or Cold River Covered Bridge
New Hampshire Covered Bridge Number 18
World Guide to Covered Bridges Number 29-10-06
SNOWMOBILE TRAIL USING ONE HALF OF BRIDGE.

Inspection Notes: 07/17/2023

MTC - inspection comments-
DECK: LIGHT CRACKS. MODERATE WEAR, MINOR DAMAGE TO TIMBER CURB ON SNOWMOBILE TRAIL SECTION. WALL BOARD BROKEN AT EAST.
SUPERSTRUCTURE: SEVERAL LOWER TIMBER LATTICE MEMBERS REPLACED. FEW LOWER TIMBER CHORD MEMBERS REPLACED.
SUBSTRUCTURE: CONCRETE BRIDGES LIGHT CRACKS. NORTHEAST ABUTMENT SCOUR AND MISSING SOME STONES.

PICTURE: B674
35. NORTHEAST ABUTMENT SCOUR AND MISSING SOME STONES.
36. EROSION TO UPSTREAM EMBANKMENT.
37. WALL BOARD BROKEN AT EAST.

Previous Inspection Notes: 07/14/2021

MTC - inspection comments-
DECK: LIGHT CRACKS. MODERATE WEAR, MINOR DAMAGE TO TIMBER CURB ON SNOWMOBILE TRAIL SECTION.
SUPERSTRUCTURE: SEVERAL LOWER TIMBER LATTICE MEMBERS REPLACED. FEW LOWER TIMBER CHORD MEMBERS REPLACED.
SUBSTRUCTURE: CONCRETE BRIDGES LIGHT CRACKS.

PICTURE: B646
65. WEST SIDE OF BRIDGE.

Approach and Roadway Notes:

SNOWMOBILE TRAIL USING ONE HALF OF BRIDGE.

Bridge Inspection Report

NBI Structure Number: 014301620010500

Langdon 162/105

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		
07/17/2023	MTC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	1	1	N	<input type="checkbox"/>	Bridge Closed
07/14/2021	MTC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	1	1	N	<input type="checkbox"/>	Bridge Closed
07/02/2019	MTC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	1	1	N	<input type="checkbox"/>	Bridge Closed
07/14/2017	MTC	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	1	1	N	<input type="checkbox"/>	Bridge Closed
07/14/2015	MHC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	1	1	N	<input type="checkbox"/>	Bridge Closed
07/02/2013	MTC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	1	1	N	<input type="checkbox"/>	Bridge Closed
07/05/2011	MTC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	1	1	N	<input type="checkbox"/>	Bridge Closed
07/20/2009	JEL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	1	1	N	<input type="checkbox"/>	Bridge Closed
09/13/2007	FNM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	1	1	N	<input type="checkbox"/>	Bridge Closed
10/15/2005	DEP	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	1	5	N	<input type="checkbox"/>	Bridge Closed
09/16/2005	JEL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1	1	5	N	<input type="checkbox"/>	Bridge Closed
09/26/2003	JEL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	1	5	N	<input type="checkbox"/>	Bridge Closed
08/14/2001	FNM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	1	5	N	<input type="checkbox"/>	Bridge Closed
02/01/1999	RLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	1	5	N	<input type="checkbox"/>	Bridge Closed
08/01/1996		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	1	5	N	<input type="checkbox"/>	Bridge Closed
09/01/1994		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1	1	5	N	<input type="checkbox"/>	Bridge Closed

Inspection Frequency (mo.)			
NBI	Elem	FCM	U/W
24	24	N/A	N/A