

Bridge Inspection Report

NBI Structure Number: 023201100012000

Sandown 110/120

Date of Inspection: 10/21/2021**Date Report Sent:** 12/03/2021

Owner: Municipality

Bridge Inspection Group: D-Team

Bridge Maintenance Crew: OTHER

ODELL ROAD

over

EXETER RIVER**Recommended Postings:**Weight: **No Posting Required**☒ Weight Sign OKWidth: **Not Required**☒ Width Sign OKPrimary Height Sign Recommendation: *None*Optional Centerline Height Sign Rec: *None***Clearances:** Over: 99.99
(Feet) Under: 0.00
Route: 99.99☒ Height Sign OK**Condition:**

Red List Status: Not on the Redlist

Deck: N N/A (NBI)

Superstructure: N N/A (NBI)

Substructure: N N/A (NBI)

Culvert: 8 Very Good

Sufficiency Rating: 100 %

Bridge Rail: N/A or not required

Rail Transition: N/A or not required

Bridge Approach Rail: Meets Standards

Approach Rail Ends: Meets Standards

Structure Type and Materials:

Number of Main Spans: 1

Number of Approach Spans: 0

Main Span Material and Design Type

Steel/Culvert

NH Bridge Type: MP (Metal Pipe)

Deck Type: N/A (NBI)

Wearing Surface: N/A (no deck (NBI))

Membrane: N/A (no deck (NBI))

Deck Protection: N/A (no deck (NBI))

Curb Reveal: Not Measured

Plan Location: unknown

Total Bridge Length: 16.0 ft

Right Curb/Sidewalk Width: 0.0 ft

Total Bridge Width: 0.0 ft

Median: No median

Bridge Skew: 0.00°

Year Built/Rebuilt: 1984/2004

Bridge Dimensions:

Length Maximum Span: 16.0 ft

Left Curb/Sidewalk Width: 0.0 ft

Width Curb to Curb: 0.0 ft

Approach Roadway Width: 18.0 ft
(W/Shoulders)

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Bridge Service:

Type of Service on Bridge: Highway

Type of Service Under: Waterway

Lanes on Bridge: 2

Lanes Under: 0

AADT: 729

Percent Trucks: 4%

Year of AADT: 2020

Future AADT: 1,078

Year of Future AADT: 2042

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: Not eligible for NRHP

Traffic Direction: 2-way traffic

National Bridge Inventory (NBI) Appraisal Ratings:

Deck Geometry: N Not applicable (NBI)

Underclearances: N Not applicable (NBI)

Approach Alignment: 7 Above Min Criteria

Structural Evaluation: 8 Equal Desirable Crit

Channel/Channel Protection: 6 Bank Slumping

Waterway Adequacy: 8 Equal Desirable

Bridge Scour Critical Status: 8 Stable Above Footing

Riprap Condition: Good Condition

Debris Present: No Debris Present

Channel Notes: SMALL SCOUR HOLE AT OUTLET. LARGE TREE DEBRIS 50' DOWNSTREAM.

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Element Details

No.	Description	Material Notes and Condition Notes:
215	Reinforced Concrete Abutment	CAST IN PLACE CONCRETE INVERT WITH KNEE WALLS, NO DETERIORATION. HEADWALLS- FINE CRACKS. WINGS- EROSION BEHIND WINGS ON NORTHEAST AND SOUTHWEST.
240	Steel Culvert	MP - 6" x 2" x 0.109 GAGE. 15'- 6" CLEAR SPAN. MP - TWO SMALL CUT HOLES AT ROOF LINE. REBAR IS WELDED TO BOLT HEADS AT WEST SIDE. CONCRETE INVERT - FINE CRACKS.

Element States

No.	Description	Quantity	Units	State 1	State 2	State 3	State 4
215	Reinforced Concrete Abutment	134	ft	100%	0%	0%	0%
240	Steel Culvert	50	ft	100%	0%	0%	0%

Bridge Notes:

REHABILITATED BY BOBM 12/17/04. CONCRETE INVERT TO INCLUDE CUT OFF WALL, HEADWALLS, AND WINGS PLACED. REMOVED FROM THE MUNICIPAL RED LIST AS A RESULT OF REPAIRS.

10/8/2019- RE-INSPECTED TO CHANGE SCHEDULE.

Inspection Notes: 10/21/2021

BTB inspection comments -
ASPHALT- NO DAMAGE. RAIL- NO DAMAGE.

CULVERT: MP - TWO SMALL CUT HOLES AT ROOF LINE. REBAR IS WELDED TO BOLT HEADS AT WEST SIDE.

SUBSTRUCTURE: CAST IN PLACE CONCRETE INVERT, WINGS AND HEADWALLS, FINE CRACKS.

Previous Inspection Notes: 10/08/2019

NJL inspection comments -
ASPHALT- NO DAMAGE.
CULVERT: MP - TWO SMALL CUT HOLES AT ROOF LINE. REBAR IS WELDED TO BOLT HEADS AT WEST SIDE. SUBSTRUCTURE: CAST IN PLACE CONCRETE INVERT, WINGS AND HEADWALLS, FINE CRACKS.

Approach and Roadway Notes:

APPROACH ASPHALT- CRACKED, PATCHED AND SOME SEALED ON SOUTH. CRACKED ALONG EDGE OF ROAD ON NORTH.
APPROACH W-BEAM RAIL- FEW SCRAPES.

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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		
10/21/2021	NJL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	8	<input type="checkbox"/>	No Posting Req'd
10/08/2019	NJL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	8	<input type="checkbox"/>	No Posting Req'd
07/12/2019	NJL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	8	<input type="checkbox"/>	No Posting Req'd
07/18/2017	NJL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	8	<input type="checkbox"/>	No Posting Req'd
07/30/2015	MAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	8	<input type="checkbox"/>	No Posting Req'd
07/17/2013	MAS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	8	<input type="checkbox"/>	No Posting Req'd
07/13/2011	KJT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	8	<input type="checkbox"/>	No Posting Req'd
07/21/2009	KJT	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	8	<input type="checkbox"/>	No Posting Req'd
01/25/2007	RLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	8	<input type="checkbox"/>	No Posting Req'd
08/22/2005	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	8	<input type="checkbox"/>	No Posting Req'd
10/04/2004	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	3	<input type="checkbox"/>	Bridge Closed
08/28/2003	RLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	3	<input checked="" type="checkbox"/>	6 Tons
11/27/2002	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	3	<input checked="" type="checkbox"/>	E-2
02/07/2002	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	3	<input checked="" type="checkbox"/>	E-2
08/29/2001	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	3	<input checked="" type="checkbox"/>	E-2
12/11/2000	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	4	<input checked="" type="checkbox"/>	E-2
11/20/2000	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	4	<input checked="" type="checkbox"/>	E-2
03/01/1998	DPC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	4	<input checked="" type="checkbox"/>	E-2
10/01/1997		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	6	<input checked="" type="checkbox"/>	E-2
09/01/1995		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	6	<input type="checkbox"/>	E-2
02/01/1994		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	5	<input type="checkbox"/>	E-2
08/01/1991		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	N	<input type="checkbox"/>	E-2

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