

Bridge Inspection Report

NBI Structure Number: 009501290011600

Goffstown 129/116

Date of Inspection: 07/23/2021

CENTER STREET

Date Report Sent: 11/05/2021

over

Owner: Municipality

HARRY BROOK

Bridge Inspection Group: D-Team

Bridge Maintenance Crew: OTHER

Recommended Postings:

Weight: **E-2**

Weight Sign OK

SIGNS IN PLACE. 7/23/21

Width: **Not Required**

Width Sign OK

Primary Height Sign Recommendation: *None*

Clearances: Over: 99.99

Height Sign OK

Optional Centerline Height Sign Rec: *None*

(Feet) Under: 0.00

Route: 99.99

Condition:

Red List Status: Not on the Redlist

Deck: N N/A (NBI)

Superstructure: N N/A (NBI)

Substructure: N N/A (NBI)

Culvert: 5 Fair

Sufficiency Rating: 86 %

Bridge Rail: N/A or not required

Rail Transition: N/A or not required

Bridge Approach Rail: Meets Standards

Approach Rail Ends: Substandard

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: 3-15-1-11

Total Bridge Length: 18.0 ft

Right Curb/Sidewalk Width: 0.0 ft

Total Bridge Width: 0.0 ft

Median: No median

Bridge Skew: 20.00°

Year Built/Rebuilt: 1972

Bridge Dimensions:

Length Maximum Span: 18.0 ft

Left Curb/Sidewalk Width: 0.0 ft

Width Curb to Curb: 0.0 ft

Approach Roadway Width: 26.0 ft

(W/Shoulders)

Bridge Inspection Report

NBI Structure Number: 009501290011600

Goffstown 129/116

Bridge Service:

Type of Service on Bridge: Highway

Type of Service Under: Waterway

Lanes on Bridge: 2

Lanes Under: 0

AADT: 7,207

Percent Trucks: 4%

Year of AADT: 2021

Future AADT: 10,666

Year of Future AADT: 2041

Federal or State Definition Bridge: NH-Definition Bridge

National Highway System: Bridge does not carry NHS

Roadway Functional Class: Urban, Minor Arterial

New Hampshire Bridge Tier: 5

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

Traffic Direction: 2-way traffic

National Bridge Inventory (NBI) Appraisal Ratings:

Deck Geometry: N Not applicable (NBI)

Underclearances: N Not applicable (NBI)

Approach Alignment: 8 Equal Desirable Crit

Structural Evaluation: 5 Above Min Tolerable

Channel/Channel Protection: 7 Minor Damage

Waterway Adequacy: 8 Equal Desirable

Bridge Scour Critical Status: 8 Stable Above Footing

Riprap Condition: Good Condition

Debris Present: Debris Present

Channel Notes: GRAVEL ON INVERT, SAND BUILT UP AT OUTLET, SOUTHWEST. HEAVY VEGETATION ON BANKS.

Bridge Inspection Report

NBI Structure Number: 009501290011600

Goffstown 129/116

Element Details

No.	Description	Material Notes and Condition Notes:
240	Steel Culvert	MP- 18'- 1" CLEAR SPAN. CORRUGATION 6" X 2" X 5 GAUGE. TOP PLATES 7/32". OTHERS 1/4" ARMCO. 5.75' OF COVER. TWENTY ONE FEET FROM EDGE OF PAVEMENT TO END OF PIPE ON SOUTH, SEVENTEEN FEET ON NORTH; NOT UNDER TRAVELWAY.
└ 1000	Corrosion	MP- MODERATE RUSTING AND PITTING ON INVERT. MODERATE TO HEAVY RUST AND SCALE ON RADIUS; LIGHT SECTION LOSS. SLIGHT ROOF SAG ON NORTHWEST. MODERATE TO HEAVY RUST AND SCALE ON RADIUS; LIGHT SECTION LOSS. UNABLE TO PENETRATE WITH PICK HAMMER DURING THIS INSPECTION.
└ 6000	Scour	SCOUR- VOID BETWEEN INVERT AND CONCRETE FOOTING, 4' WIDE WITH 1' TO 3' PENETRATION ON NORTHEAST INLET. FEW ROCKS PLACED UNDER PIPE AT CENTER, GRAVEL COVERED ON NORTHWEST.

Element States

No.	Description	Quantity	Units	State 1	State 2	State 3	State 4
240	Steel Culvert	100	ft	0%	1%	99%	0%
└ 1000	Corrosion	99	ft	0%	0%	100%	0%
└ 6000	Scour	1	ft	0%	100%	0%	0%

Bridge Notes:

Inspection Notes: 07/23/2021

BTB inspection comments -
ASPHALT- NO DAMAGE. W-BEAM RAIL- MINOR SCRAPES.

METAL CULVERT: MP- MODERATE RUSTING AND PITTING ON INVERT; AREAS COVERED WITH SAND AND GRAVEL. MODERATE TO HEAVY RUST AND SCALE ON RADIUS; LIGHT SECTION LOSS. UNABLE TO PENETRATE WITH PICK HAMMER DURING THIS INSPECTION. SLIGHT ROOF SAG ON NORTHWEST.

SCOUR- VOID BETWEEN INVERT AND CONCRETE FOOTING, 4' WIDE WITH 1' TO 3' PENETRATION ON NORTHEAST INLET. FEW ROCKS PLACED UNDER PIPE AT CENTER, GRAVEL COVERED ON NORTHWEST.

Previous Inspection Notes: 07/22/2019

BTB inspection comments -
ASPHALT- NO DAMAGE. W-BEAM RAIL- MINOR SCRAPES.

METAL CULVERT: MP- MODERATE RUSTING AND PITTING ON INVERT; AREAS COVERED WITH SAND AND GRAVEL. MODERATE TO HEAVY RUST AND SCALE ON RADIUS; LIGHT SECTION LOSS. UNABLE TO PENETRATE WITH PICK HAMMER DURING THIS INSPECTION. SLIGHT ROOF SAG ON NORTHWEST.

SCOUR- VOID BETWEEN INVERT AND CONCRETE FOOTING, 4' WIDE WITH 1' TO 3' PENETRATION ON NORTHEAST INLET. FEW ROCKS PLACED UNDER PIPE AT CENTER, GRAVEL COVERED ON NORTHWEST.

Approach and Roadway Notes:

APPROACH ASPHALT- TRANSVERSE CRACK ON WEST. APPROACH W-BEAM RAIL- EMBANKMENT IS WASHED SLIGHTLY.

Bridge Inspection Report

NBI Structure Number: 009501290011600

Goffstown 129/116

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		
07/23/2021	NJL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	5	<input type="checkbox"/>	E-2
07/22/2019	NJL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	5	<input type="checkbox"/>	E-2
07/26/2017	NJL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	5	<input type="checkbox"/>	E-2
07/20/2015	NJL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	5	<input type="checkbox"/>	E-2
07/17/2013	NJL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	5	<input type="checkbox"/>	E-2
07/27/2011	MHC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	5	<input type="checkbox"/>	E-2
07/06/2009	FNM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	5	<input type="checkbox"/>	E-2
02/02/2007	JEL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	5	<input type="checkbox"/>	E-2
08/19/2005	JEL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	5	<input type="checkbox"/>	E-2
01/13/2003	JEL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	5	<input type="checkbox"/>	E-2
02/21/2001	JEL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	6	<input type="checkbox"/>	E-2
03/05/1999	RLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	6	<input type="checkbox"/>	E-2
01/01/1997		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	6	<input type="checkbox"/>	E-2
02/01/1995		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	7	<input type="checkbox"/>	E-2
10/01/1993		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N	N	N	7	<input type="checkbox"/>	E-2
07/01/1991		<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