

Bridge Inspection Report

NBI Structure Number: 011201250004900

Hancock 125/049

Date of Inspection: 08/10/2022

TANNERY HILL ROAD

Date Report Sent: 12/28/2022

over

Owner: Municipality

FERGUSON BROOK

Bridge Inspection Group: D-Team

Bridge Maintenance Crew: OTHER

Recommended Postings:

Weight: **No Posting Required**

Weight Sign OK

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: 8 Very Good

Superstructure: 8 Very Good

Substructure: 8 Very Good

Culvert: N N/A (NBI)

Sufficiency Rating: 95 %

Structure Type and Materials:

Number of Main Spans: 1

Number of Approach Spans: 0

Main Span Material and Design Type

Concrete/Slab

Bridge Rail: Meets Standards

Rail Transition: Meets Standards

Bridge Approach Rail: Meets Standards

Approach Rail Ends: Substandard

NH Bridge Type: CRF-P (Conc Rigid Frame-Precast

Deck Type: Concrete Precast Panel

Wearing Surface: Bituminous

Membrane: Preformed Fabric

Deck Protection: Epoxy Coated Reinforcing

Curb Reveal: 7 in

Plan Location: M1-4-4-3

Total Bridge Length: 31.0 ft

Right Curb/Sidewalk Width: 0.0 ft

Total Bridge Width: 27.0 ft

Median: No median

Bridge Skew: 0.00°

Year Built/Rebuilt: 2002

Bridge Dimensions:

Length Maximum Span: 28.0 ft

Left Curb/Sidewalk Width: 0.0 ft

Width Curb to Curb: 24.0 ft

Approach Roadway Width: 22.0 ft

(W/Shoulders)

Bridge Inspection Report

NBI Structure Number: 011201250004900

Hancock 125/049

Bridge Service:

Type of Service on Bridge: Highway

Type of Service Under: Waterway

Lanes on Bridge: 2

Lanes Under: 0

AADT: 223

Percent Trucks: 4%

Year of AADT: 2022

Future AADT: 330

Year of Future AADT: 2042

Federal or State Definition Bridge: Fed-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: 5 Above Tolerable

Underclearances: N Not applicable (NBI)

Approach Alignment: 6 Equal Min Criteria

Structural Evaluation: 8 Equal Desirable Crit

Channel/Channel Protection: 8 Protected

Waterway Adequacy: 8 Equal Desirable

Bridge Scour Critical Status: 8 Stable Above Footing

Riprap Condition: Good Condition

Debris Present: No Debris Present

Channel Notes:

Bridge Inspection Report

NBI Structure Number: 011201250004900

Hancock 125/049

Element Details

No.	Description	Material Notes and Condition Notes:
38	Reinforced Concrete Slab	** Con-Span ** (5 SECTIONS) 28' CS X 8' RISE. NEW 2002. MEMBRANE, 12"-15" GRAVEL COVER, 3" PAVEMENT. CURBS- FINE CRACKS. UNDERSIDE OF SLAB- MINOR SCRAPES AT LIFTING PORTS DURING INSTALLATION.
L 510	Wearing Surfaces	ASPHALT- NO DAMAGE.
215	Reinforced Concrete Abutment	WINGS INCLUDED. ABUTMENTS- FINE CRACKS ON HEADWALLS. HEADWALL RUST STAINED IN AREAS FROM WEATHERING STEEL BRIDGE POST.
333	Other Bridge Railing	GLUED LAMINATED TIMBER 10.5" X 6.75" ON W6 X 20 STEEL POST. TIMBER RAIL- LIGHT CRACKS.

Element States

No.	Description	Quantity	Units	State 1	State 2	State 3	State 4
38	Reinforced Concrete Slab	837	sq.ft	100%	0%	0%	0%
L 510	Wearing Surfaces	---	---	100%	0%	0%	0%
215	Reinforced Concrete Abutment	145	ft	100%	0%	0%	0%
333	Other Bridge Railing	144	ft	100%	0%	0%	0%

Bridge Notes:

NEW BRIDGE 2002. ** Con-Span ** (5 SECTIONS) 28' CS X 8' RISE. MEMBRANE, 12"-15" GRAVEL COVER, 3" PAVEMENT. ADDED DECK ELEMENT #52, 7/10/2015.

Inspection Notes: 08/10/2022

BTB inspection comments-
DECK / SUPERSTRUCTURE: ASPHALT- NO DAMAGE. CURBS- FINE CRACKS. UNDERSIDE OF SLAB- MINOR SCRAPES AT LIFTING PORTS DURING INSTALLATION. TIMBER BRIDGE RAIL- LIGHT CRACKS.

SUBSTRUCTURE: ABUTMENTS- FINE CRACKS ON HEADWALLS. HEADWALL RUST STAINED IN AREAS FROM WEATHERING STEEL BRIDGE POST.

PICTURES: 277-
54. WEST APPROACH.
55. SOUTH ELEVATION.

Previous Inspection Notes: 08/10/2020

NJL inspection comments-
DECK / SUPERSTRUCTURE: ASPHALT- NO DAMAGE. CURBS- FINE CRACKS. UNDERSIDE OF SLAB- MINOR SCRAPES AT LIFTING PORTS DURING INSTALLATION. TIMBER BRIDGE RAIL- LIGHT CRACKS.
SUBSTRUCTURE: ABUTMENTS- FINE CRACKS ON HEADWALLS. HEADWALL RUST STAINED IN AREAS FROM WEATHERING STEEL BRIDGE POST.

Approach and Roadway Notes:

APPROACH ASPHALT- NO DAMAGE. APPROACH RAIL- MINOR SCRAPES ON TIMBER.

Bridge Inspection Report

NBI Structure Number: 011201250004900

Hancock 125/049

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		
08/10/2022	BTB	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	8	8	N	<input type="checkbox"/>	No Posting Req'd
08/10/2020	NJL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	8	8	N	<input type="checkbox"/>	No Posting Req'd
08/06/2018	NJL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	8	8	N	<input type="checkbox"/>	No Posting Req'd
08/05/2016	KLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	8	8	N	<input type="checkbox"/>	No Posting Req'd
07/10/2015	NJL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	8	8	N	<input type="checkbox"/>	No Posting Req'd
08/15/2013	NJL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	8	8	N	<input type="checkbox"/>	No Posting Req'd
08/03/2011	MHC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	8	8	N	<input type="checkbox"/>	No Posting Req'd
08/10/2009	KLM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	8	8	N	<input type="checkbox"/>	No Posting Req'd
03/01/2007	FNM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	8	8	N	<input type="checkbox"/>	No Posting Req'd
11/01/2006	FNM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	8	8	N	<input type="checkbox"/>	No Posting Req'd
09/22/2004	JEL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	9	9	N	<input type="checkbox"/>	No Posting Req'd
10/14/2002	FNM	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9	9	9	N	<input type="checkbox"/>	No Posting Req'd

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