Inspector:	Harris,Scott	**Structure Number:**	5812
Inspection Date:	09/12/2023	**Facility Carried:**	TRAFTON RD

Highway Bridge Inspection Report

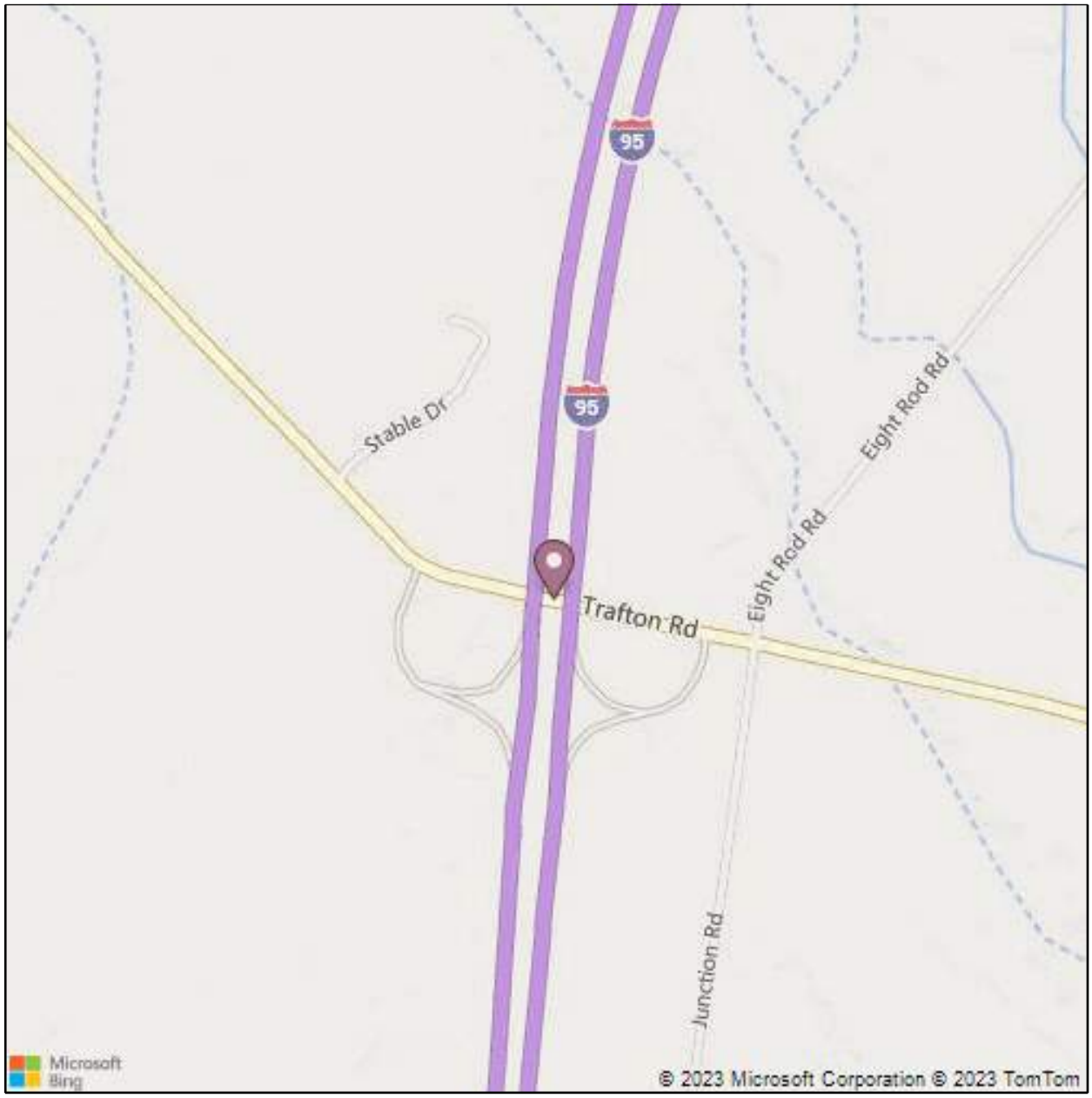
Inspection Type(s): Routine

Bridge Name: TRAFTON ROAD / I 95

Town: Waterville

Inspector:	Harris,Scott	**Structure Number:**	5812
Inspection Date:	09/12/2023	**Facility Carried:**	TRAFTON RD

Highway Bridge Inspection Report



Latitude: 44.50824

Longitude: -69.70322

Inspector:	Harris,Scott	**Structure Number:**	5812
Inspection Date:	09/12/2023	**Facility Carried:**	TRAFTON RD

Highway Bridge Inspection Report

National Bridge Inventory

Status: 2 - FO Bridge Name: **TRAFTON ROAD / I 95** Sufficiency Rating: 77.0

Inspections

(90) INSPECTION DATE	& (91) DESIGNATED INSPECTION FREQUENCY	24	09/12/2023
(92) CRITICAL FEATURE INSPECTION	& (93) CFI DATE		
(92A) FRACTURE CRITICAL DETAIL		N	
(92B) UNDERWATER INSPECTION		N	
(92C) OTHER SPECIAL INSPECTION		N	

Identification

(1) STATE CODE	231 - Maine
(8) STRUCTURE NUMBER	5812
(5) INVENTORY ROUTE	
(5A) RECORD TYPE	1: Route carried "on" the structure
(5B) ROUTE SIGNING PREFIX	5 - CITY STREET
(5C) DESIGNATED LEVEL OF SERVICE	0 - None
(5) INVENTORY ROUTE	0
(5) INVENTORY ROUTE	0 - NOT APPLICABLE
(2) HIGHWAY AGENCY DISTRICT	02 - Mid-Coast
(3) COUNTY CODE	011 Kennebec
(4) PLACE CODE	80740
(6) FEATURES INTERSECTED	INTERSTATE 95 NB & SB
(7) FACILITY CARRIED	TRAFTON RD
(9) LOCATION	OVER 95 0.3 MI N OF TL
(11) MILEPOINT	1.460
(12) BASE HIGHWAY NETWORK	Inventory Route is not on the Base Network
(13) LRS INVENTORY ROUTE, SUBROUTE	
(13A) LRS INVENTORY ROUTE	0001102252
(13B) SUBROUTE NUMBER	00
(16) LATITUDE	44.50824
(17) LONGITUDE	-69.70322
(98A) BORDER BRIDGE CODE	
(98B) PERCENT RESPONSIBILITY	0
(99) BORDER BRIDGE STRUCT NO.	n/a

Structure Type and Material

(43) STRUCTURE TYPE, MAIN	
(43A) KIND OF MATERIAL/DESIGN	3 - Steel
(43B) TYPE OF DESIGN/CONSTR	02 - Stringer/Multi-beam or Girder
(44) STRUCTURE TYPE, APPROACH SPANS	
(44A) KIND OF MATERIAL/DESIGN	0 - Other
(44B) TYPE OF DESIGN/CONSTRUCTION	00 - Other
(45) NUMBER OF SPANS IN MAIN UNIT	6
(46) NUMBER OF APPROACH SPANS	0
(107) DECK STRUCTURE TYPE	1 - Concrete Cast-in-Place
(108) WEARING SURFACE/PROTECTIVE SYSTEMS	
(108A) WEARING SURFACE	6 - Bituminous
(108B) DECK MEMBRANE	2 - Preformed Fabric
(108C) DECK PROTECTION	0 - None

Age of Service

(27) YEAR BUILT	1959
(106) YEAR RECONSTRUCTED	1993
(42) TYPE OF SERVICE	
(42A) TYPE OF SERVICE ON BRIDGE	1 - Highway
(42B) TYPE OF SERVICE UNDER BRIDGE	1 - Highway, with or w/out pedestrian
(28) LANES	
(28A) LANES ON THE STRUCTURE	02
(28B) LANES UNDER THE STRUCTURE	04

Inspector: Harris,Scott **Structure Number:** 5812

Inspection Date: 09/12/2023 **Facility Carried:** TRAFTON RD

Highway Bridge Inspection Report

(29) AVERAGE DAILY TRAFFIC	292
(30) YEAR OF AVERAGE DAILY TRAFFIC	2016
(109) AVERAGE DAILY TRUCK TRAFFIC	5
(19) BYPASS DETOUR LENGTH	2

Geometric Data

(48) LENGTH OF MAXIMUM SPAN (ft.)	71.5
(49) STRUCTURE LENGTH (ft.)	350.4
(50) CURB/SIDEWALK WIDTHS	
(50A) LEFT CURB SIDEWALK (ft.)	1.4
(50B) RIGHT CURB SIDEWALK (ft.)	1.4
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	24.3
(52) DECK WIDTH, OUT-TO-OUT (ft.)	29.1
(32) APPROACH ROADWAY WIDTH (ft.)	28.0
(33) BRIDGE MEDIAN	0 - No median
(34) SKEW (deg.)	7
(35) STRUCTURE FLARED	0 - No flare
(10) INV RTE, MIN VERT CLEARANCE (ft.)	328.05
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	24.0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	327.76
(54) MIN VERTICAL UNDERCLEARANCE	
(54A) REFERENCE FEATURE	H - Highway beneath structure
(54B) MIN VERTICAL UNDERCLEARENCE (ft.)	14.58
(55) MIN LATERAL UNDER CLEARANCE RIGHT	
(55A) REFERENCE FEATURE	H - Highway beneath structure
(55B) MIN LATERAL UNDER CLEARANCE RIGHT (ft.)	11.15
(56) MIN LATERAL UNDER CLEARANCE (ft.)	8.9

Classification

(112) NBIS BRIDGE LENGTH	Yes
(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0 - Structure/Route is NOT on NHS
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	09 - Rural - Local
(100) STRAHNET HIGHWAY DESIGNATION	Not a STRAHNET route
(101) PARALLEL STRUCTURE DESIGNATION	N - No parallel structure
(102) DIRECTION OF TRAFFIC	2-way traffic
(103) TEMP STRUCTURE	
(105) FEDERAL LANDS HIGHWAYS	Not Applicable
(110) DESIGNATED NATIONAL NETWORK	Inventory route not on network
(20) TOLL	3 - On Free Road
(21) MAINTENANCE RESPONSIBILITY	01 - State Highway Agency
(22) OWNER	01 - State Highway Agency
(37) HISTORICAL SIGNIFICANCE	4 - Not determinable

Condition

(58) DECK	5 - Fair Condition (minor section loss)
(59) SUPERSTRUCTURE	6 - Satisfactory Condition (minor deterioration)
(60) SUBSTRUCTURE	6 - Satisfactory Condition (minor deterioration)
(61) CHANNEL & CHANNEL PROTECTION	N - Not Applicable
(62) CULVERT	N - Not Applicable

Load Rating and Posting

(31) DESIGN LOAD	4 - H 20
(63) METHOD USED TO DETERMINE OPERATING RATING	8 - Load and Resistance Factor Rating (LRFR) rating report by rating factor (RF) method using HL-93 loadings.
(64) OPERATING RATING	1.5
(65) METHOD USED TO DETERMINE INVENTORY RATING	8 - Load and Resistance Factor Rating (LRFR) rating report by rating factor (RF) method using HL-93 loadings.
(66) INVENTORY RATING	1.15
(70) BRIDGE POSTING	5 - Equal to or above legal loads
(41) STRUCTURE OPEN/POSTED/CLOSED	A - Open

Inspector:	Harris,Scott	**Structure Number:**	5812
Inspection Date:	09/12/2023	**Facility Carried:**	TRAFTON RD

Highway Bridge Inspection Report

Appraisal

(67) STRUCTURAL EVALUATION	6
(68) DECK GEOMETRY	5
(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	3
(71) WATERWAY ADEQUACY	N - Not Applicable
(72) APPROACH ROADWAY ALIGNMENT	7 - Better than present minimum criteria
(36) TRAFFIC SAFETY FEATURE	
36A) BRIDGE RAILINGS:	0 - Does not meet acceptable standards/safety feature is required
36B) TRANSITIONS:	0 - Does not meet acceptable standards/safety feature is required
36C) APPROACH GUARDRAIL	0 - Does not meet acceptable standards/safety feature is required
36D) APPROACH GUARDRAIL ENDS	0 - Does not meet acceptable standards/safety feature is required
(113) SCOUR CRITICAL BRIDGES	N - Not over waterway

Proposed Improvements

(75) TYPE OF WORK	
(75A) TYPE OF WORK PROPOSED	
(75B) WORK DONE BY	
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	
(94) BRIDGE IMPROVEMENT COST (SK)	
(95) ROADWAY IMPROVEMENT COST (SK)	
(96) TOTAL PROJECT COST	
(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(114) FUTURE ADT	467
(115) YEAR OF FUTURE ADT	2036

Navigation Data

(38) NAVIGATION CONTROL	N - Not applicable, no waterway
(111) PIER OR ABUTMENT PROTECTION	
(39) NAV VERT CLEARANCE	0
(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE	0
(40) NAV HORIZONTAL CLEARANCE	0

7.1 Component Condition Ratings

(B.C.05) Bridge Railings	8
(B.C.06) Bridge Railing Transitions	8
(B.C.07) Bridge Bearings	6
(B.C.07) Bridge Joints	8
Bridge Joint Seal	6

Inspector:	Harris,Scott	**Structure Number:**	5812
Inspection Date:	09/12/2023	**Facility Carried:**	TRAFTON RD

Highway Bridge Inspection Report

Inspection Notes

Structure Number: 5812 Town: Waterville

Structure Name: TRAFTON ROAD / I 95

Structure Notes

1959 Six span steel painted girders. Concrete deck, abutments, piers and wing walls. Bituminous wearing surface.
1993 Deck Rehab
1998 Superstructure Repair
2016 Substructure Repair

Wearing Surface

Bituminous wearing surface is in satisfactory condition. No potholes.

Deck **NBI Item 58:** 5

Concrete curb, fascia's, and exterior bays have minor cracking with efflo staining. Blocking areas of I95 under spans have minor spalling but no areas of active delaminated concrete over travel lanes. Interior bays have minor areas of spalling with exposed rebar. Small areas of wet staining. Rail has been retrofitted with Thri beam system.

Superstructure **NBI Item 59:** 6

Existing collision damage to the North beam over the SB travel lanes was unchanged.
Paint on the beams over the travel lanes has speckle rust and edge failure.
Bearings on the piers have minor paint deterioration.
Paint loss on bearings and beam ends at the abutments.
Beam ends at each of the abutments have had preventative treatments.
All joint seals above each of the piers are intact but appear to be leaking.

Substructure **NBI Item 60:** 6

Concrete abutments have minor cracking and staining of breastwalls and backwalls with rust staining. Concrete bridge seats have minor to moderate cracking. Concrete pier columns have only very minor cracking. Minor isolated scaling on top of the piers. New protective concrete barriers in front of the piers closest to the NB and SB travel lanes have no issues.

Culvert **NBI Item 62:** N

Inspector:	Harris,Scott	**Structure Number:**	5812
Inspection Date:	09/12/2023	**Facility Carried:**	TRAFTON RD

Highway Bridge Inspection Report

Channel

NBI Item 61: N

Other

Special Inspection

Collision damage unchanged - 2020,2021

On October 22nd Bridge Maintenance became aware of new damage to the repaired beam on Trafton Road above Southbound traffic. This damage was reported to the Maine DOT by David Gress, who was hired by Hanover Insurance in relation to the impact damage incurred by Boulet's Wrecker Service on January 9th, 2018 (State of Maine Case #185002339). Alan Farrington, Civil Engineer II from Maine DOT Bridge Maintenance visited the bridge on October 23rd to review the newest damage. The previous sweep in the beam measured approximately 1" by Brent Snowden on 1/16/2018 (Photo 3). Currently the Sweep looks to be approximately 2" (Photo 4), but was unable to be measured directly due to traffic restraints. New damage also includes a bend in the bottom flange approximately 2" up (Photo 6). There are also two new gouges in the bottom flange, slightly East of the prior gouge (Photo 8). Maine DOT is currently unaware of when this damage may have occurred, but it is certainly between the dates of January 10th, 2018 during Brent Snowden's special inspection and September 18th, 2018 during Jamie Hannum's Routine inspection. The bridge is currently posted for height at 14ft-5in (Photo 6).

Monitoring

Pontis Notes

Inspector: Harris,Scott
Inspection Date: 09/12/2023

Structure Number: 5812
Facility Carried: TRAFTON RD

Highway Bridge Inspection Report

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12-Reinforced Concrete Deck	3 - Mod.	10185	sq. ft.	3000	7000	185	0
107-Steel Open Girder/Beam	4 - Sev.	1400	ft.	660	700	40	0
515-Steel Protective Coating		1400	sq. ft.	300	1000	100	0
205-Reinforced Concrete Column	3 - Mod.	15	each	11	4	0	0
215-Reinforced Concrete Abutment	3 - Mod.	58	ft.	50	8	0	0
234-Reinforced Concrete Pier Cap	3 - Mod.	146	ft.	141	5	0	0
302-Compression Joint Seal	3 - Mod.	146	ft.	86	60	0	0
311-Movable Bearing	3 - Mod.	32	each	16	16	0	0
515-Steel Protective Coating		32	sq. ft.	0	20	8	4
313-Fixed Bearing	3 - Mod.	16	each	12	4	0	0
515-Steel Protective Coating		16	sq. ft.	4	4	4	4
801-Beam End	3 - Mod.	48	each	48	0	0	0
515-Steel Protective Coating		48	sq. ft.	18	10	10	10
809-Steel Preventative Coating (Fluid Film)		48	sq. ft.	48	0	0	0
815-Joint Seal	4 - Sev.	5	each	1	3	1	0
820-Reinforced Concrete Wall	3 - Mod.	48	ft.	40	8	0	0
841-Asphalt Wearing Surface with Membrane	3 - Mod.	8505	sq. ft.	8505	0	0	0

Inspector: Harris,Scott
Inspection Date: 09/12/2023

Structure Number: 5812
Facility Carried: TRAFTON RD

Highway Bridge Inspection Report

Over Limit Report

Bridge #:	5812	Town1:	Waterville
Bridge Name:	TRAFTON ROAD / I 95	Town2:	
Owner:	01 - State Highway Agency	Maintainer:	01 - State Highway Agency
Co-Owner:	N Not applicable	Co-Maintainer:	N Not applicable
Region:	02 - Mid-Coast		

Vertical Clearance - Under

Left, Center, and Right is based on the direction of travel

Roadway - Heading North or East — Actual Heights in Feet-Inches — Date Measured: 05/27/2020

	Left	Center	Right	Posted		Deficient Sign
Main: INTERSTATE 95 NB & SB	17 - 1	16 - 5	16 - 2	☐ Main	-	
Other:	-	-	-	☐ Other	-	
Ramps:	-		16 - 3	☐ Ramp	-	

Roadway - Heading South or West — Actual Heights in Feet-Inches — Date Measured: 05/27/2020

	Left	Center	Right	Posted		Deficient Sign
Main: INTERSTATE 95 NB & SB	14 - 8	14 - 5	14 - 6	☑ Main	14 - 5	Wrong Height
Other:	-	-	-	☐ Other	-	
Ramps:	-		14 - 5	☑ Ramp	14 - 5	Wrong Height

Vertical Clearance - Portal

Roadway: TRAFTON RD

Heading North or East — Actual Heights in Feet-Inches — Date Measured:

Left	Center	Right	Posted		Deficient Sign
-	-	-	☐ Portal	-	

Heading South or West — Actual Heights in Feet-Inches — Date Measured:

Left	Center	Right	Posted		Deficient Sign
-	-	-	☐ Portal	-	Wrong Height

Permitting

Pointer

☐ Red Flag Comments

Heading North Height:	16 - 3	2037191-BRPT
Heading South Height:	14 - 5	2037192-BRPT
Left Ramp Height:	14 - 5	2037192-BRPT
Right Ramp Height:	-	
Portal North Height:	-	
Portal South Height:	-	
Other Road Height:	-	
Bridge Width:	24.3 ft	
Roadway Width:	28.0 ft	

Underclearance heights are signed if less than 14 ft 6 in
Check with Maine Turnpike Authority for load heights over 13 ft 6 in
Always check 511

Load Restrictions

Posted		tons	Date posted:
Posted One Truck at aTime			
Posted for 4 axle only			
Operating Load Rating	1.5		
Permit Load Ratings		axles	
		axles	

Inspector:	Harris,Scott	**Structure Number:**	5812
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Highway Bridge Inspection Report

axles

Inspector:	Harris,Scott	**Structure Number:**	5812
Inspection Date:	09/12/2023	**Facility Carried:**	TRAFTON RD

Highway Bridge Inspection Report

Underwater Dive Inspection Report

Structure Number: 5812

Bridge Name: TRAFTON ROAD/I95

Town 1: 11240 - Waterville

Town 2:

Division: Fairfield

DiveID: 4104

Tidal:

Location: OVER 95 0.3 MI N OF TL

Photos:

Tide Information:

Dive Entry Location:

Scour:

Comments/Hazards:

Streambed Description:

Channel Description:

Substructure Description:

Inspection Team:

Role:

Dive Conditions:

Time: Entry: AM/PM

Time: Exit: AM/PM

Water Temp:

Visibility (ft):

Max Depth (ft):

Current:

Weather:

Underwater Inspection Date:

Channel Condition:

Substr/Culvert Condition:

Inspection Cycle:

Ratings Comments:

Pictures

PHOTO 1

Description Pier bearings

PHOTO 2

Description SB span north end collision damage

Pictures

PHOTO 3

Description SB span north end collision damage

PHOTO 4

Description SB span north end collision damage diaphragm

Pictures

PHOTO 5

Description SB span north end collision damage

PHOTO 6

Description West pier beam ends

Pictures

PHOTO 7

Description Pier bearings

PHOTO 8

Description Beam ends at pier

Pictures

PHOTO 9

Description SB span north end collision damage looking west

PHOTO 10

Description North girder inside diaphragm damaged

Pictures

PHOTO 11

Description roadway looking east

PHOTO 12

Description north rail

Pictures

PHOTO 13

Description north rail

PHOTO 14

Description wearing surface view

Pictures

PHOTO 15

Description south rail

PHOTO 16

Description spalling at north joint curb area

Pictures

PHOTO 17

Description pier joint

PHOTO 18

Description pushed down pier joint seal

Pictures

PHOTO 19

Description joint seal

PHOTO 20

Description curb spall

Pictures

PHOTO 21

Description spalling at curb joint armor

PHOTO 22

Description NE beam end

Pictures

PHOTO 23

Description east beam end oil treatment

PHOTO 24

Description north side view

Pictures

PHOTO 25

Description cracking east abutment

PHOTO 26

Description east slope pavement

Pictures

PHOTO 27

Description east pier east face

PHOTO 28

Description east pier bearing

Pictures

PHOTO 29

Description east span view

PHOTO 30

Description I-95 NB span

Pictures

PHOTO 31

Description span view

PHOTO 32

Description center spans view

Pictures

PHOTO 33

Description cracking at pier cap

PHOTO 34

Description weird patched area

Pictures

PHOTO 35

Description pier beam ends

PHOTO 36

Description I-95 SB span view

Pictures

PHOTO 37

Description I-95 SB span view

PHOTO 38

Description west pier east face

Pictures

PHOTO 39

Description Collision sweep I-95 SB north girder

PHOTO 40

Description I-95 SB span south girder

Pictures

PHOTO 41

Description west pier east face

PHOTO 42

Description clearance posted north girder

Pictures

PHOTO 43

Description north girder I-95 BSD span impact damage

PHOTO 44

Description West pier cap

Pictures

PHOTO 45

Description I-95 SB span

PHOTO 46

Description west span view

Pictures

PHOTO 47

Description west abutment bearing

PHOTO 48

Description west pier west face

Inspector:	Harris,Scott	**Structure Number:**	5812
Inspection Date:	09/12/2023	**Facility Carried:**	TRAFTON RD

Highway Bridge Inspection Report

Maintenance Work Items

Structure Number: 5812 **Structure Name: TRAFTON ROAD / I 95**

Town: 11240 **Owner: Harris,Scott**

Type	Work Item	Priority	Notes
Preservation	Seal Joint		
Capital	Coat Beam Ends		
Capital	Paint		
Maintenance	Remove Delams Over Traffic		Monitor for deck spalls over traffic
Capital	Rehab Superstructure		Repair collision damage SB

Inspector: Harris,Scott
Inspection Date: 09/12/2023

Structure Number: 5812
Facility Carried: TRAFTON RD

Highway Bridge Inspection Report

MaineDOT NBIS Bridge Safety Inspection JSA

Structure Number: 5812

Inspector: Harris,Scott

Structure Name: TRAFTON ROAD / I 95

Team Lead: Scott Harris

Town: Waterville

Additional Team Members/Visitors:

1.) Randy Perry
2.)
3.)
4.)
5.)
6.)
7.)
8.)
9.)

Job being performed:

Bridge inspection

Potential Hazard:	Controls:
☑ Exposure to traffic	☑ Parked off road with strobe ☑ Less than 1 hour on bridge ☑ Wear standard reflective clothing and hard hat ☐ Spotter ☐ Traffic Control Crew
☑ Steep slopes and uneven working areas (rip rap, mud, loose fill, etc)	☑ Wear appropriate, prudent footwear ☐ Rope or fall protection
☑ Chipped Concrete or Steel (hand tools only)	☑ Wear appropriate, prudent eye/hand protection
☑ 6' Vertical drops	☑ Stay away from areas
☐ Water Hazards ☐ Water depth under 1 foot ☐ Water depth 1 to 4 feet ☐ Water depth over 4 feet ☐ Water flow calm/slow moving ☐ Water flow visible/not rapid ☐ Water flow rapid with some short falls ☐ Tidal Water	☐ Evaluate Water Hazard conditions ☐ Use/Wear appropriate PPE ☐ Buddy System

Inspector: Harris,Scott
Inspection Date: 09/12/2023

Structure Number: 5812
Facility Carried: TRAFTON RD

Highway Bridge Inspection Report

No water exists at the bridge

Potential Hazard:	Controls:
☐ Insects, Poision Ivy, or other environmental hazards	☐ Apply insect repellant and/or sunscreen ☐ Protect skin with appropriate, prudent clothing
☑ Lead paint and Avian excrement	☑ Wear gloves, do not scrape
☐ Heavy Manual Lifting	☐ Ask for assistance in donning dive gear, lifting equipment
☐ DCS, Lung Expansion	☐ Ascend slowly, user computers, Safety Stops (15' mark for 3 min.)
☐ Entanglement U/W	☐ Use knife, Comm gear
☐ Boat Traffic	☐ Fly Dive Flag, user spotter, contact bridge on Chan. 13
☐ Cold Water	☐ Use adequate dry suit underwear for water temperature
☐ Live Boating	☐ Keep track of divers, avoid powering during drop-off/pick-up

Other Potential Hazards:	Other Controls:

Inspector: Harris,Scott
Inspection Date: 09/12/2023

Structure Number: 5812
Facility Carried: TRAFTON RD

Highway Bridge Inspection Report

Safety Equipment Required:

- [x] Hard hat
- [x] Vest
- [x] Glasses
- [x] Gloves
- [ ] PFD
- [ ] Rain Gear
- [ ] Bug Spray
- [x] Sunscreen
- [ ] First Aid
- [ ] O2
- [ ] AED
- [ ] Comm Gear
- [x] Cell Phone
- [ ] Boat
- [ ] Throw Ring
- [ ] Throw Rope
- [ ] Positioning Device

Emergency Action Plan:

- [x] Call 911
- [x] First Aid Kit
- [ ] Fall Rescue Plan
- [ ] Water Rescue Plan
- [ ] Dan 1-919-684-9111
- [ ] USCG 741-5465

Other Safety Equipment:

Other Emergency Action Plan:

I certify that the MaineDOT NBIS Bridge Safety Inspection JSA has been completed according to all proper procedures required by the Maine Department of Transportation.

[x] Complete Scott B. Harris

Inspector: Harris,Scott
Inspection Date: 09/12/2023

Structure Number: 5812
Facility Carried: TRAFTON RD

Highway Bridge Inspection Report

Bridge Components

Bridge #:	5812	Town1:	Waterville
Bridge Name:	TRAFTON ROAD / I 95	Town2:	
Owner:	01 - State Highway Agency	Maintainer:	01 - State Highway Agency
Co-Owner:	N Not applicable	Co-Maintainer:	N Not applicable
Region:	02 - Mid-Coast		

Deck

Joint Seal Type/MFG:
- [ ] Emseal
- [ ] V Seal
- [ ] Watson Bowman
- [ ] Hot Rubber
- [ ] Pour-in-Place
- [ ] DS Brown

Joint Types:
- [ ] Finger
- [ ] Asphaltic Plug
- [ ] Compression
- [ ] Modular
- [ ] Gland
- [ ] Waybo Crete
- [ ] Sliding
- [ ] Transflex
- [ ] Open

Joint HDR Mat:
- [ ] Concrete
- [ ] Delcrete
- [ ] Elastomeric
- [ ] LP Concrete
- [ ] Phoscrete
- [ ] Plycrete

Other:
- [ ] Curtain
- [ ] Troughs
- [ ] Armor

Rebar Type:

Superstructure

Left Side Rail:

Material	Concrete
Shape	Parapet
Attached To	Deck
Number of Bars	0
Extra Height	N

- [x] Retrofit
- [x] Safety Walk
- [ ] Pales
- [ ] Snow Fence

Right Side Rail:

Material	Concrete
Shape	Parapet
Attached To	Deck
Number of Bars	0
Extra Height	N

- [x] Retrofit
- [x] Safety Walk
- [ ] Pales
- [ ] Snow Fence

Bearing Type Quantity:
- [ ] Disk
- [ ] Pot
- [ ] Roller
- [ ] Elastomeric
- [ ] Rocker
- [48] Sliding Plate

Other:
- [ ] Pin Quantity
- [ ] Pin and Link Quantity

Fatigue Prone Detail:
- [ ] Narrow Cover Plate - Sq End Welded
- [ ] Narrow Cover Plate - Sq End w/o Weld
- [ ] Wide Cover Plate - Sq End Welded
- [ ] Wide Cover Plate - Sq End w/o Weld
- [ ] Lateral Connection Plate - Welded
- [ ] Narrow Cover Plate - Tapered End Welded
- [ ] Narrow Cover Plate - Tapered End w/o Weld
- [ ] Longitudinal Stiffener - Welded with Radius
- [ ] Longitudinal Stiffener - Welded w/o Radius
- [ ] Hoan Detail

Substructure

- [ ] Pier Collars
- [ ] Abutment Collars
- [ ] Wood Piles
- [ ] Steel Piles
- [ ] Blocked Bridge

Retaining Wall Type:

Other

Confined Space
- [ ] Bridge Lighting
- [ ] Cat Walk
- [ ] Navigational Lighting
- [ ] Signs Attached

General Notes

Inspector:	Harris,Scott	**Structure Number:**	5812
Inspection Date:	09/12/2023	**Facility Carried:**	TRAFTON RD

Highway Bridge Inspection Report

Bridge Preservation

Bridge #:	5812	Town1:	Waterville
Bridge Name:	TRAFTON ROAD / I 95	Town2:	
Owner:	01 - State Highway Agency	Maintainer:	01 - State Highway Agency
Co-Owner:	N Not applicable	Co-Maintainer:	N Not applicable
Region:	02 - Mid-Coast		

Deck

NBI Deck Information:

Deck Type	1 - Concrete Cast-in-Place
Deck Protection	0 - None
Membrane Type	2 - Preformed Fabric

Wearing Surface:

Type	6 - Bituminous
Last Date	1993
Lifespan (Yrs)	25
Next Date Est.	2018
Mill & Fill Date	0

Superstructure

Beam Ends Paint:	Bearings Paint:	Bearings Lubrication:
Last Date	Last Date 2018	Last Date 0
Next Date Est.	Next Date Est. 2	Next Date Est. 2028

Beam Ends Fluid Film:	Bearings Fluid Film:	Treatment:
Last Date 0	Last Date	☐ Core 10
Next Date Est.	Next Date Est. 10	☐ Galvanized
		☐ Metalized

Substructure

Common Preservation

Paint Information:

Type	
Last Date	1993
Lifespan (Yrs)	
Next Date Est.	2018

Anodes:

- ☐ Installed
- ☐ Detached
- ☐ Replace

Concrete-Silane:	Washing:
Last Date	☑ Required
Next Date Est. 1993	☐ UBIT

Concrete-Linseed

Last Date

Next Date Est. 0

☐ Alkali-Silica reactivity

General Notes

Inspector:	Harris,Scott	**Structure Number:**	5812
Inspection Date:	09/12/2023	**Facility Carried:**	TRAFTON RD

Highway Bridge Inspection Report

Critical Finding Form

Critical Finding History

Bridge #: 5812
Bridge Name: TRAFTON ROAD / I 95
Owner: 01 - State Highway Agency
Co-Owner: N Not applicable

CF on NSTM Member ?

Date of Discovery

Bridge Operational Status Due to CF(s)

General Cause of CF(s)

Detailed Description of Critical Finding

If "Other" Selected, Please Explain

Immediate Action(s) Taken to Address Critical Finding?

Conclusion

Is the Critical Finding Resolved ?

Date Resolved

Which NBI general condition rating is affected ?

Detail the response type, resolution, timelines and long term plan for the bridge

Date (or anticipated date) of Permanent Resolution

Critical Finding Reference

FHWA criteria for reporting Critical Findings

FHWA shall be notified within 24 hours of any critical finding and the activities taken, underway, or planned to resolve or monitor the critical finding. Update FHWA regularly or as requested on the status of each critical finding until it is resolved. Monthly make available the information to provide a written report to FHWA with a summary of the status of the resolutions for each critical finding identified within that month or unresolved from previous months.

Maine DOT Critical Finding notification procedure

The following procedures are to be used when a critical inspection finding is reported by the Bridge Inspector, Bridge Maintenance Manager, or other source when the Deck, Superstructure, or Substructure or Culvert having a NBI rating of 2 or less.

1. **The Bridge Inspector or Bridge Manager shall report any finding that may be of a critical nature to their immediate supervisor, the Assistant Bridge Maintenance Engineer, and the Bridge Maintenance Engineer.**
2. **The Assistant Bridge Maintenance Engineer or the Bridge Maintenance Engineer will assess the finding and take the appropriate action.**
3. **If the action requires restricting or closing the bridge, the following will be notified:**

- **Director of Maintenance and Operations**
- **Division Engineer**
- **Permit Section**
- **Federal Highway Bridge Engineer**

1. **If the bridge is not under State jurisdiction, the bridge owner will be notified by the Bridge Inspector, Bridge Maintenance Manager, Assistant Bridge Maintenance Engineer, or the Bridge Maintenance Engineer by telephone or in writing, depending on the urgency.**
2. **Follow-up on action taken by the bridge owner will be made depending on the seriousness of the findings as determined by the Assistant Bridge Maintenance Engineer or the Bridge Maintenance Engineer.**
3. **Bridges under State jurisdiction will be restricted and/or repaired through the direction of the Assistant Bridge Maintenance Engineer.**
4. **Reports of deficiencies (critical or otherwise) from other sources will be handled in the same manner.**

Note: A critical finding is a major defect in the superstructure or substructure which, if not repaired immediately, may require the closing or partial closing of a bridge, and could lead to the total collapse of the structure. Repairs should be completed within a few days.