

Highway Bridge Inspection Report

**I95 SB / SOUADABSCOOK EAST
I-95 SB
over
SOUADABSCOOK STREAM**



Asset Code: 1431

Inspection Date: 04/06/2017

Inspected By: Jamie Hannum

Inspection Type(s): Routine

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Inspector: Jamie Hannum

Inspection Date: 04/06/2017

Structure Number: 1431

Facility Carried: I-95 SB

Highway Bridge Inspection Report

Executive Summary

Inspector: Jamie Hannum

Inspection Date: 04/06/2017

Structure Number: 1431

Facility Carried: I-95 SB

Highway Bridge Inspection Report

Location Map

National Bridge Inventory

Status: 0 - ND

Bridge Name: I95 SB / SOUADABSCOOK EAST

Sufficiency Rating: 77.3

Inspections

(90) INSPECTION DATE	& (91) DESIGNATED INSPECTION FREQUENCY	24	04/06/2017
(92) CRITICAL FEATURE INSPECTION	& (93) CFI DATE		
(92A) FRACTURE CRITICAL DETAIL		N	
(92B) UNDERWATER INSPECTION		Y	60
(92C) OTHER SPECIAL INSPECTION		N	09/01/2015

Identification

(1) STATE CODE	231 - Maine
(8) STRUCTURE NUMBER	1431
(5) INVENTORY ROUTE	
(5A) RECORD TYPE	1: Route carried "on" the structure
(5B) ROUTE SIGNING PREFIX	3 - STATE HIGHWAY
(5C) DESIGNATED LEVEL OF SERVICE	1 - MAINLINE
(5) INVENTORY ROUTE	95
(5) INVENTORY ROUTE	3 - SOUTH
(2) HIGHWAY AGENCY DISTRICT	04 - Eastern
(3) COUNTY CODE	019 Penobscot
(4) PLACE CODE	30795
(6) FEATURES INTERSECTED	SOUADABSCOOK STREAM
(7) FACILITY CARRIED	I-95 SB
(9) LOCATION	3.3 MI E TL /95 MI 177.9
(11) MILEPOINT	126.881
(12) BASE HIGHWAY NETWORK	Inventory Route is on the Base Network
(13) LRS INVENTORY ROUTE, SUBROUTE	
(13A) LRS INVENTORY ROUTE	000000095S
(13B) SUBROUTE NUMBER	00
(16) LATITUDE	44.76534
(17) LONGITUDE	-68.89448
(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	4 - Steel continuous
(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	3
(46) NUMBER OF APPROACH SPANS	0
(107) DECK STRUCTURE TYPE	1 - Concrete Cast-in-Place
(108) WEARING SURFACE/PROTECTIVE SYSTEMS	
(108A) WEARING SURFACE	2 - Integral Concrete (separate non-modified layer of concrete added to
(108B) DECK MEMBRANE	0 - None
(108C) DECK PROTECTION	0 - None

Age of Service

(27) YEAR BUILT	1961
(106) YEAR RECONSTRUCTED	0
(42) TYPE OF SERVICE	
(42A) TYPE OF SERVICE ON BRIDGE	1 - Highway
(42B) TYPE OF SERVICE UNDER BRIDGE	5 - Waterway
(28) LANES	
(28A) LANES ON THE STRUCTURE	02
(28B) LANES UNDER THE STRUCTURE	00
(29) AVERAGE DAILY TRAFFIC	12570
(30) YEAR OF AVERAGE DAILY TRAFFIC	2015
(109) AVERAGE DAILY TRUCK TRAFFIC	11
(19) BYPASS DETOUR LENGTH	1

Geometric Data

(48) LENGTH OF MAXIMUM SPAN (ft.)	50
(49) STRUCTURE LENGTH (ft.)	135
(50) CURB/SIDEWALK WIDTHS	
(50A) LEFT CURB SIDEWALK (ft.)	0.2
(50B) RIGHT CURB SIDEWALK (ft.)	0.2
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.2
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.4
(32) APPROACH ROADWAY WIDTH (ft.)	40
(33) BRIDGE MEDIAN	0 - No median
(34) SKEW (deg.)	15
(35) STRUCTURE FLARED	0 - No flare
(10) INV RTE, MIN VERT CLEARANCE (ft.)	328.05
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	40
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	327.76
(54) MIN VERTICAL UNDERCLEARANCE	
(54A) REFERENCE FEATURE	N - Feature not a highway or railroad
(54B) MIN VERTICAL UNDERCLEARENCE (ft.)	0
(55) MIN LATERAL UNDER CLEARANCE RIGHT	
(55A) REFERENCE FEATURE	N - Feature not a highway or railroad
(55B) MIN LATERAL UNDER CLEARANCE RIGHT (ft.)	327.76
(56) MIN LATERAL UNDER CLEARANCE (ft.)	99.9

Classification

(112) NBIS BRIDGE LENGTH	Yes
(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1 - Structure/Route is on NHS
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01 - Rural - Principal Arterial - Interstate
(100) STRAHNET HIGHWAY DESIGNATION	Is on an Interstate STRAHNET route
(101) PARALLEL STRUCTURE DESIGNATION	L - Left structure (South or West)
(102) DIRECTION OF TRAFFIC	1-way traffic
(103) TEMP STRUCTURE	
(105) FEDERAL LANDS HIGHWAYS	Not Applicable
(110) DESIGNATED NATIONAL NETWORK	Inventory route on National Truck Network
(20) TOLL	3 - On Free Road
(21) MAINTENANCE RESPONSIBILITY	01 - State Highway Agency
(22) OWNER	01 - State Highway Agency
(37) HISTORICAL SIGNIFICANCE	5 - Not eligible

Condition

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

Load Rating and Posting

(31) DESIGN LOAD	6 - HS 20+Mod
(63) METHOD USED TO DETERMINE OPERATING RATING	8 - Load and Resistance Factor
(64) OPERATING RATING	1.08
(65) METHOD USED TO DETERMINE INVENTORY RATING	8 - Load and Resistance Factor
(66) INVENTORY RATING	0.83
(70) BRIDGE POSTING	5 - Equal to or above legal
(41) STRUCTURE OPEN/POSTED/CLOSED	A - Open

Appraisal

(67) STRUCTURAL EVALUATION	5
(68) DECK GEOMETRY	7
(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(71) WATERWAY ADEQUACY	9 - Bridge Above Flood Water Elevations
(72) APPROACH ROADWAY ALIGNMENT	8 - Equal to present desirable 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	8 - Stable for scour conditions

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 (\$K)

(95) ROADWAY IMPROVEMENT COST (\$K)

(96) TOTAL PROJECT COST

(97) YEAR OF IMPROVEMENT COST ESTIMATE

(114) FUTURE ADT

17598

(115) YEAR OF FUTURE ADT

2035

Navigation Data	
-----------------	--

(38) NAVIGATION CONTROL

0 - No navigation control on waterway (bridge

(111) PIER OR ABUTMENT PROTECTION

(39) NAV VERT CLEARANCE

0

(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE

0

(40) NAV HORIZONTAL CLEARANCE

0

General Bridge Data

Structure Number: 1431

Structure Name: I95 SB / SOUADABSCOOK EAST

Owner: 1 State DOT

Town: Hampden

Co-Owner: N Not applicable

Town2:

Region: 04 Eastern

Maintainer: 1 State DOT

Bridge Plans:

Co-Maintainer: N Not applicable

Structure Type

Main Span

Type: 1 Girder

Sub Type: 1 Deck

Construction: 1 Rolled

Material: 1 Steel

Continuity: 2 Continuous

Composite: 1 Non Composite

Moveable: 0 No

Deck Area: 5724.28507560 (SF)
000000

Curb Reveal Lt: 9.0 (in)

Curb Reveal Rt: 9.0 (in)

Approach Span

Type: _

Sub Type: _

Construction: _

Material: _

Continuity: _

Composite: _

Moveable: _

Repairs Done:

Year

How

Scope

Substructures

	Shaft	Notes
Abutment 1		
Pier		
Pier		
Pier		
Abutment 2		

	Foundation	Notes
Abutment 1		
Pier		
Pier		
Pier		
Abutment 2		

Roadway

Road/Route Name	I-95 SB
Abut-Abut Detour	1.0
Corridor Priority	1

Inspection Notes

Structure Number: 1431

Town: Hampden

Structure Name: I95 SB / SOUADABSCOOK EAST

Inspection Date: 04/06/2017

Structure Notes

Three span steel painted girders. Concrete deck, abutments, piers, wing-walls and wearing surface.

Wearing Surface

Heavy traffic prevented chain dragging of deck. Recommend off-season chaining of deck when traffic is less. Concrete wearing surface has frequent transverse cracking and an isolated pothole <1 SF in size with loose concrete pieces.

Deck

NBI Item 58: 5

Both joint seals are missing and surrounding headers have been pounded with extensively spalled concrete and exposed re-steel. Frequent areas of delaminated concrete on the bottom of the deck, but the only areas that have spalled are in the haunch areas above the diaphragms and headers. These haunch areas have fully exposed re-steel, loose broken concrete and section loss to some of the diaphragm top flanges. Haunch area at the North end above the diaphragms has spalled and has sunlight coming thru from cold joint above, see photo. All of the aluminum rail posts have minor to heavy damage. The up stream rail has 90% of the posts damaged from minor to isolated heavy damage with a detached rail, see photos.

Superstructure

NBI Item 59: 6

Approximately 15% paint system distress with light rusting. Section loss to some of the diaphragm top flanges. No seals in both deck joints above.

Substructure

NBI Item 60: 5

Both of the abutments have pedestal bearing blocks that have moderate to isolated heavy cracking. Back wall has isolated moderate cracking areas with exposed re-steel. Footings exposed on piers, but plans and U/W Inspection in 2003 noted piers were founded on exposed ledge. See the latest U/W Inspection for additional details and sketch.

Culvert

NBI Item 62: N

Channel

NBI Item 61: 6

Other

Special Inspection

Monitoring

Pontis Notes

Inspector: Jamie Hannum
 Inspection Date: 04/06/2017

Structure Number: 1431
 Facility Carried: I-95 SB

Highway Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION	
(1) STATE CODE	231 - Maine
(8) STRUCTURE NUMBER	1431
(5) INV. ROUTE (ON/UNDER)	1 3 1 95 3
(2) HIGHWAY AGENCY	04 (3) COUNTY CODE 019
(4) PLACE CODE	30795
(6) FEATURES INTERSECTED	SOUADABSCOOK STREAM
(7) FACILITY CARRIED	I-95 SB
(9) LOCATION	3.3 MI E TL /95 MI 177.9
(11) MILEPOINT 126.881	(12) BASE HIGHWAY NETWORK 1
(13A) LRS INVENTORY ROUTE	000000095S (13B) SUBROUTE NUMBER 00
(16) LATITUDE 44.76534	(17) LONGITUDE -68.89448
(98A) BORDER BRIDGE CODE	
PERCENT RESPONSIBILITY 0	(99) BORDER BRIDGE STRUCT n/a

STRUCTURE TYPE AND MATERIAL	
(43) STRUCTURE TYPE, MAIN	
A) KIND OF MATERIAL/DESIGN:	4 - Steel continuous
B) TYPE OF DESIGN/CONSTR:	02 - Stringer/Multi-beam or Girder
(44) STRUCTURE TYPE, APPROACH SPANS	
A) KIND OF MATERIAL/DESIGN:	0 - Other
B) TYPE OF DESIGN/CONSTR:	00 - Other
(45) NUMBER OF SPANS IN MAIN 3	(46) NUMBER OF APPROACH 0
(107) DECK STRUCTURE TYPE 1	(108A) WEARING SURFACE 2
(108B) DECK MEMBRANE 0	(108C) DECK PROTECTION 0

AGE OF SERVICE	
(27) YEAR BUILT 1961	(106) YEAR RECONSTRUCTED 0
(42) TYPE OF SERVICE ON 1	UNDER 5
(28) LANES ON 02	UNDER 00
(29) AVERAGE DAILY TRAFFIC 12570	(19) BYPASS DETOUR LENGTH 1
(30) YEAR OF AVERAGE DAILY TRAFFIC 2015	
(109) AVERAGE DAILY TRUCK TRAFFIC 11	

GEOMETRIC DATA	
(48) LENGTH OF MAX SPAN (ft.) 50	(49) STRUCTURE LENGTH (ft.) 135
(50) CURB/SIDEWALK WIDTHS (ft.)	LEFT 0.2 RIGHT 0.2
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	40.2
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.4
(32) APPROACH ROADWAY WIDTH (ft.)	40
(33) BRIDGE MEDIAN 0	(34) SKEW (DEG.) 15
(35) STRUCTURE FLARED 0	(10) INV RTE, MIN VERT CLEAR (ft.) 328.05
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	40
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	327.76
(54) VERTICAL UNDER CLEARANCE (ft.)	N 0
(55) LATERAL UNDER CLEARANCE RIGHT (ft.)	N 327.76
(56) MIN LATERAL UNDER CLEARANCE (ft.)	99.9

PROPOSED IMPROVEMENTS	
(75A) TYPE OF WORK PROPOSED	(75B) WORK DONE BY
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	
(94) BRIDGE IMPROVEMENT COST (\$)	
(95) ROADWAY IMPROVEMENT COST (\$)	
(96) TOTAL PROJECT COST	
(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(114) FUTURE ADT 17598	(115) YEAR OF FUTURE ADT 2035

INSPECTIONS	
(90) INSPECTION DATE	04/06/2017
(91) DESIGNATED INSPECTION FREQUENCY	24
(92) CRITICAL FEATURE INSPECTION	(93) CFI DATE
A. FRACTURE CRITICAL DETAIL	N
B. UNDERWATER INSPECTION	Y 60 09/01/2015
C. OTHER SPECIAL	N

CONDITION	
(58) DECK	5
(59) SUPERSTRUCTURE 6	(60) SUBSTRUCTURE 5
(61) CHANNEL & CHANNEL PROTECTION 6	(62) CULVERT N

LOAD RATING AND POSTING	
(31) DESIGN LOAD	6
(63) METHOD USED TO DETERMINE OPERATING RATING	8
(64) OPERATING RATING	1.08
(65) METHOD USED TO DETERMINE INVENTORY RATING	8
(66) INVENTORY RATING	0.83
(70) BRIDGE POSTING	5
(41) STRUCTURE OPEN/POSTED/CLOSED	A

APPRAISAL	
(67) STRUCTURAL EVALUATION	5
(68) DECK GEOMETRY	7
(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(71) WATERWAY ADEQUACY	9
(72) APPROACH ROADWAY ALIGNMENT	8
(36) TRAFFIC SAFETY FEATURE	
36A) BRIDGE RAILINGS:	0
36B) TRANSITIONS:	0
36C) APPROACH GUARDRAIL:	0
36D) APPROACH GUARDRAIL ENDS:	0
(113) SCOUR CRITICAL BRIDGES	8
SUFFICIENCY RATING 0	STATUS 77.3

CLASSIFICATION	
(112) NBIS BRIDGE LENGTH	Y
(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	1
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	01
(100) STRAHNET HIGHWAY DESIGNATION	1
(101) PARALLEL STRUCTURE DESIGNATION	L
(102) DIRECTION OF TRAFFIC	1
(103) TEMP STRUCTURE	
(105) FEDERAL LANDS HIGHWAYS	0
(110) DESIGNATED NATIONAL NETWORK	1
(20) TOLL	3
(21) MAINTENANCE RESPONSIBILITY	01
(22) OWNER	01
(37) HISTORICAL	5

NAVIGATION DATA	
(38) NAVIGATION CONTROL	0
(111) PIER OR ABUTMENT PROTECTION	
(39) NAV VERT CLEARANCE (ft.)	0
(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE (ft.)	0
(40) NAV HORIZONTAL CLEARANCE (ft.)	0

Inspector: Jamie Hannum
 Inspection Date: 04/06/2017

Structure Number: 1431
 Facility Carried: I-95 SB

Highway Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	3 - Mod.	5724	sq. ft.	0	5723		1
107 - Steel Open Girder/Beam	2 - Low	810	ft.	785	25		
515 - Steel Protective Coating		810	sq. ft.	360	400	50	
210 - Reinforced Concrete Pier Wall	2 - Low	85	ft.	85			
215 - Reinforced Concrete Abutment	2 - Low	99	ft.	49	50		
302 - Compression Joint Seal	2 - Low	85	ft.	0			85
311 - Movable Bearing	2 - Low	18	each	18			
515 - Steel Protective Coating		18	sq. ft.	0	18		
313 - Fixed Bearing	2 - Low	6	each	6			
515 - Steel Protective Coating		6	sq. ft.	0	6		
801 - Beam End	4 - Sev.	12	each	6	6		
843 - Rigid Wearing Surface	3 - Mod.	5426	sq. ft.	5426			
861 - Beam End – Protective Coating	4 - Sev.	12	each	0	6	6	
871 - Aluminum Bridge Railing	3 - Mod.	270	ft	125	135		10

MaineDOT Load Rating and Posting

Structure Number: 1431

Town 1: Hampden

Bridge Name: I95 SB / SOUADABSCOOK EAST

Town 2:

Owner: 1 State DOT

Design Load

Vehicle:	Operating Rating:	Inventory Rating:
HL-93	1.08	0.83
HL-93 Modified		

Legal Load

Configuration:	Axles:	Weight (Tons):	Rating:	Tons:
1	6	50	1.35	
2	6	47	1.42	
3	5	44	1.28	
4	5	44	1.30	
5	5	44	1.29	
6	4	38	1.00	
7	3	29.5	1.21	
8	2	18.7	1.76	

Routine Permit Loads

Configuration:	Axles:	Weight (Tons):	Rating:	Tons:	Status:
Tractor w/semi trailor	4	60			

Load Rating

TEDOC Reference:
Controlling Member:
Controlling Stress: negative moment

Posting Committee

Discussion:

TEDOC Reference:

Load Test

Type:
Load Test Date:
TEDOC Reference:
Load Test Results:

Posting Status

- | | |
|---------------------------------|---|
| <input type="checkbox"/> Posted | <input type="checkbox"/> Posted for one truck at a time |
| Weight in tons: | <input type="checkbox"/> Posted for 4 axle |
| | <input type="checkbox"/> Posted for spacing |

Underwater Dive Inspection Report

Structure Number: 1431

Bridge Name: SOUADABSCOOK EAST SB

Town 1: 19280 - Hampden

Town 2:

Division: Bangor

DiveID: 5157

Tidal:

Location: 3.3 MI E TL /95 MI 177.9

Tide Information:

Photos:

Dive Entry Location: Swam downstream from southbound bridge.

none

Scour: 6

Comments/Hazards:

footings exposed

Streambed Description:

Heavy layer of silt on stoney gravel mix and some ledge.

Channel Description:

Ledge with pockets, gravel, and silt. bowl shaped bottom

Substructure Description:

2 mass concrete piers. Both are sitting on ledge. Both are in good condition. According to plans, piers are on ledge. No changes noted in 2007, 2011: No major changes in exposed footing. Ledge visible. 2015: All footing exposure measurements are similar to previous report. Ratings remain same.

Inspection Team:

Role:

Dive Conditions:

Edwards

TL,SD

Time: Entry: 3:10 AM/PM PM

Amero

SD

Time: Exit: 3:35 AM/PM PM

Hannum

D

Water Temp: 70

Merrithew

D

Visibility (ft): 3

T

Max Depth (ft): 9

Current: slight

Weather: sunny

Underwater Inspection Date: 09012015

Channel Condition: 6

Substr/Culvert Condition: 7

Inspection Cycle: Y60

Ratings Comments:

Inspector: Jamie Hannum
Inspection Date: 04/06/2017

Structure Number: 1431
Facility Carried: I-95 SB

Highway Bridge Inspection Report

Pictures



PHOTO 1
Description



PHOTO 2
Description Up stream end, looking South

Inspector: Jamie Hannum
Inspection Date: 04/06/2017

Structure Number: 1431
Facility Carried: I-95 SB

Highway Bridge Inspection Report

Pictures



PHOTO 3

Description Roadway looking South



PHOTO 4

Description North abutment

Inspector: Jamie Hannum
Inspection Date: 04/06/2017

Structure Number: 1431
Facility Carried: I-95 SB

Highway Bridge Inspection Report

Pictures



PHOTO 5

Description Bottom of the deck, North span



PHOTO 6

Description North beam end

Inspector: Jamie Hannum
Inspection Date: 04/06/2017

Structure Number: 1431
Facility Carried: I-95 SB

Highway Bridge Inspection Report

Pictures



PHOTO 7

Description Daylight from cold joint in deck above, North span



PHOTO 8

Description Daylight from cold joint in deck above, North span

Inspector: Jamie Hannum
Inspection Date: 04/06/2017

Structure Number: 1431
Facility Carried: I-95 SB

Highway Bridge Inspection Report

Pictures



PHOTO 9

Description Looking South at the North pier



PHOTO 10

Description North deck joint without a seal

Inspector: Jamie Hannum
Inspection Date: 04/06/2017

Structure Number: 1431
Facility Carried: I-95 SB

Highway Bridge Inspection Report

Pictures



PHOTO 11

Description Deck drain without a grate



PHOTO 12

Description

Inspector: Jamie Hannum
Inspection Date: 04/06/2017

Structure Number: 1431
Facility Carried: I-95 SB

Highway Bridge Inspection Report

Pictures



PHOTO 13

Description Wearing surface



PHOTO 14

Description Rail not attached, up stream end

Inspector: Jamie Hannum
Inspection Date: 04/06/2017

Structure Number: 1431
Facility Carried: I-95 SB

Highway Bridge Inspection Report

Pictures



PHOTO 15

Description Rail not attached, up stream end



PHOTO 16

Description Nested cracking in the wearing surface

Inspector: Jamie Hannum
Inspection Date: 04/06/2017

Structure Number: 1431
Facility Carried: I-95 SB

Highway Bridge Inspection Report

Pictures



PHOTO 17

Description South abutment and beam ends



PHOTO 18

Description South abutment

Inspector: Jamie Hannum
Inspection Date: 04/06/2017

Structure Number: 1431
Facility Carried: I-95 SB

Highway Bridge Inspection Report

Pictures



PHOTO 19

Description South beam ends



PHOTO 20

Description Spalled soffit above the SE beam end

Maintenance Work Items

Structure Number: 1431

Structure Name: I95 SB / SOUADABSCOOK
EAST

Town: 19280

Owner: Hannum, Jamie

Type	Work Item	Priority	Notes
Maintenance	Stabilize Substructure	3	Grout Bag
Maintenance	Repair Bridge Rail		
Maintenance	Paint		
Maintenance	Remove Debris		Remove brush that was cut and thrown under the bridge
Maintenance	Repair Joint		
Maintenance	Repair Wearing Surface		Pothole
Maintenance	Repair Deck		Repair deck over diaphragm, North end

MaineDOT NBIS Bridge Safety Inspection JSA

Inspection Date: 04/07/2017

Structure Number: 1431

Inspector: Hannum, Jamie

Structure Name: I95 SB / SOUADABSCOOK EAST

Team Lead: Jamie Hannum

Town: Hampden

Additional Team Members/Visitors:

- | | |
|-----|-----|
| 1.) | 6.) |
| 2.) | 7.) |
| 3.) | 8.) |
| 4.) | 9.) |
| 5.) | |

Job being performed:

Bridge Inspection

Potential Hazard:

- Exposure to traffic

on I-95, park beyond guardrail end

Controls:

- Parked off road with strobe
 Less than 1 hour on bridge
 Wear standard reflective clothing and hard hat
 Spotter Traffic Control Crew

Potential Hazard:

- Steep slopes and uneven working areas
(rip rap, mud, loose fill, etc)

Controls:

- Wear appropriate, prudent footwear
 Rope or fall protection

Potential Hazard:

- Chipped Concrete or Steel (hand tools only)

Controls:

- Wear appropriate, prudent eye/hand protection

Potential Hazard:

- 6' Vertical drops

Controls:

- Stay away from areas

Potential Hazard:

- 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

Controls:

- Evaluate Water Hazard conditions
 Use/Wear appropriate PPE
 Buddy System

Potential Hazard:

- Insects, Poison Ivy, or other environmental hazards

Controls:

- Apply insect repellent and/or sunscreen
 Protect skin with appropriate, prudent clothing

Potential Hazard:

- Lead paint and Avian excrement

Controls:

- Wear gloves, do not scrape

Potential Hazard:

Heavy Manual Lifting

Controls:

Ask for assistance in donning dive gear, lifting equipment

Potential Hazard:

DCS, Lung Expansion

Controls:

Ascend slowly, user computers, Safety Stops (15' mark for 3 min.)

Potential Hazard:

Entanglement U/W

Controls:

Use knife, Comm gear

Potential Hazard:

Boat Traffic

Controls:

Fly Dive Flag, user spotter, contact bridge on Chan. 13

Potential Hazard:

Cold Water

Controls:

Use adequate dry suit underwear for water temperature

Potential Hazard:

Live Boating

Controls:

Keep track of divers, avoid powering during drop-off/pick-up

Other Potential Hazards:

Other Controls:

Safety Equipment Required:

- Hard hat
- Vest
- Glasses
- Gloves
- PFD
- Rain Gear
- Bug Spray
- Sunscreen
- First Aid
- O2
- AED
- Comm Gear
- Cell Phone
- Boat

- Throw Ring
- Throw Rope
- Positioning Device

Emergency Action Plan:

- Call 911
- 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.

Complete Jamie Hannum