

Highway Bridge Inspection Report

**SOUADABSCOOK EAST NB
I 95 NB
over
SOUADABSCOOK STREAM**



Inspection Date: 09/13/2018

Inspected By: Steve Harris

Inspection Type(s): Routine

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Inspector: Steve Harris

Inspection Date: 09/13/2018

Structure Number: 5949

Facility Carried: I 95 NB

Highway Bridge Inspection Report

Executive Summary

Inspector: Steve Harris

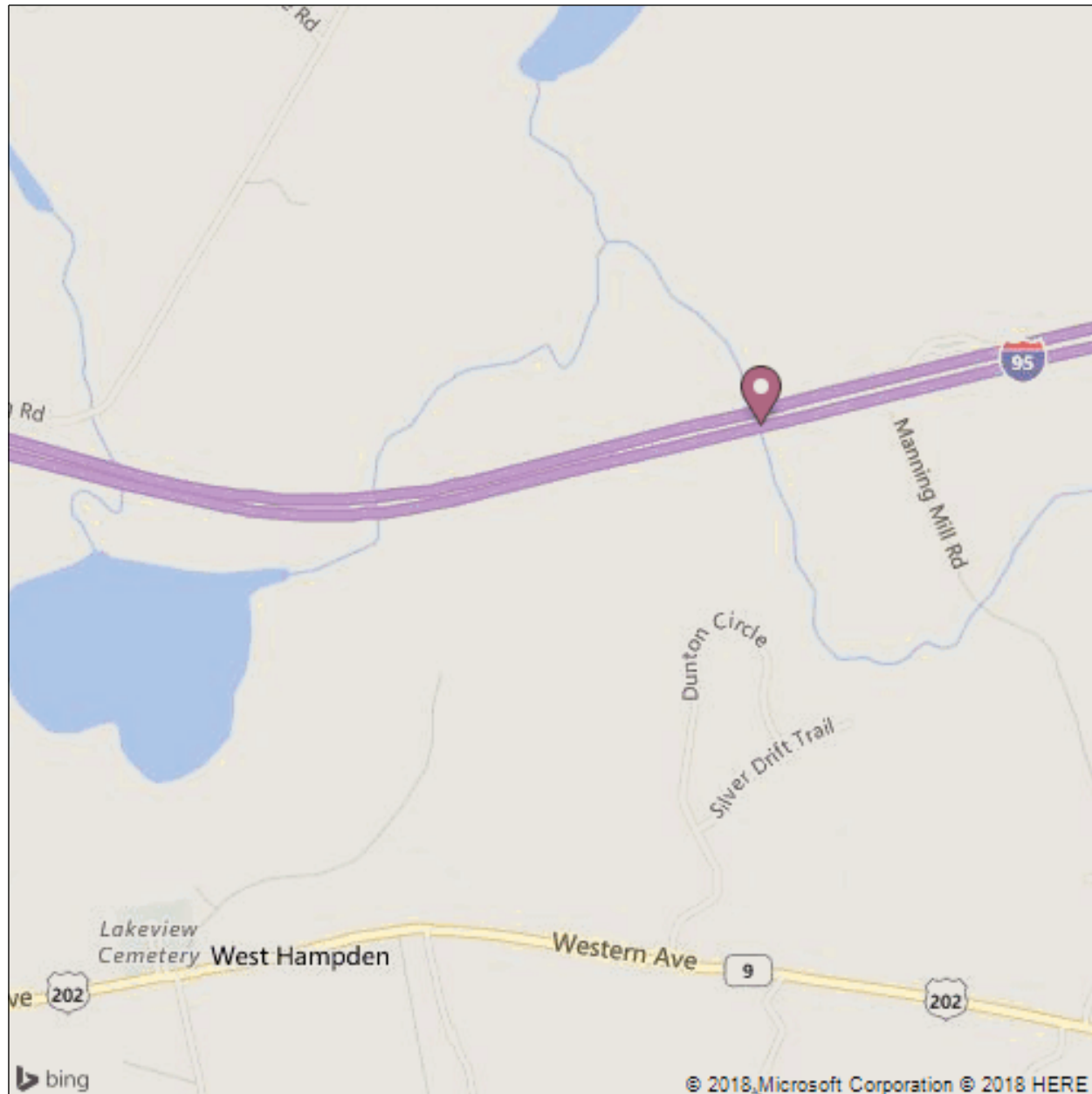
Structure Number: 5949

Inspection Date: 09/13/2018

Facility Carried: I 95 NB

Highway Bridge Inspection Report

Location Map



Latitude: 44.76498

Longitude: -68.89418

National Bridge Inventory

Status: 1 - SD

Bridge Name: SOUADABSCOOK EAST NB

Sufficiency Rating: 58.7

Inspections

(90) INSPECTION DATE	& (91) DESIGNATED INSPECTION FREQUENCY	24	09/13/2018
(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	5949
(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	1 - NORTH
(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 NB
(9) LOCATION	3.3 MI E TL / 95 MI 177.9
(11) MILEPOINT	176.310
(12) BASE HIGHWAY NETWORK	Inventory Route is on the Base Network
(13) LRS INVENTORY ROUTE, SUBROUTE	
(13A) LRS INVENTORY ROUTE	000000095X
(13B) SUBROUTE NUMBER	00
(16) LATITUDE	44.76498
(17) LONGITUDE	-68.89418
(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	
(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	13050
(30) YEAR OF AVERAGE DAILY TRAFFIC	2016
(109) AVERAGE DAILY TRUCK TRAFFIC	5
(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
(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 UNDERCLEASENCE (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	R - Right structure (North or East)
(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	4 - Not determinable

Condition

(58) DECK	4 - Poor Condition (advanced deterioration)
(59) SUPERSTRUCTURE	6 - Satisfactory Condition (minor deterioration)
(60) SUBSTRUCTURE	4 - Poor Condition (advanced deterioration)
(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	4
(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 18270

(115) YEAR OF FUTURE ADT 2036

Navigation Data	
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(38) NAVIGATION CONTROL	0 - No navigation control on waterway (bridge)
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(111) PIER OR ABUTMENT PROTECTION	
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(39) NAV VERT CLEARANCE	0
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(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE	0
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(40) NAV HORIZONTAL CLEARANCE	0
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General Data Bridge Form

Bridge #: 5949
Bridge Name: SOUADABSCOOK EAST NB
Owner: 01 - State Highway Agency
Co-Owner: N Not applicable
Region: 04 - Eastern

Town1: Hampden
Town2:
Maintainer: 01 - State Highway Agency
Co-Maintainer: N Not applicable

Deck

Deck Area (SF): 5724 Curb Reveal Lt (in): 7.9
Depth of Cover (ft): Curb Reveal Rt (in): 7.8

Superstructure

Main Span

Type: 02 - Stringer/Multi-beam or Girder
Sub Type: 1 Deck
Construction: 1 Rolled
Material: 4 - Steel continuous
Continuity: 2 Continuous
Composite: 1 Non Composite
Moveable: 0 No

Approach Span

Type: 00 - Other
Sub Type: -
Construction: -
Material: 0 - Other
Continuity: -
Composite: -
Moveable: -

Substructure

Shaft

Abutment 1 Stub Concrete
Pier Mass Concrete
Pier Mass Concrete
Pier
Abutment 2 Stub Concrete

Shaft Notes

Foundation

Abutment 1 H-Piles
Pier Ledge
Pier Ledge
Pier
Abutment 2 H-Piles

Foundation Notes

Utilities

☐ Phone ☐ Sewer ☐ Gas ☐ Dry Hydrant
☐ Water ☐ Power ☐ TV
☐ Other ☐

Utilities Notes

Equipment

☐ Aerial Lift ☐ Boat ☐ D-Meter ☐ Height Camera
☐ Air Monitor ☐ Drill ☐ Ladder
☐ Other ☐
☐ HYDRA ☐ Last Date: Next Date Est.
☐ UBIT ☐ Last Date: Next Date Est.

Equipment Notes

Classification

Bridge Indicator: S630 - 1
Minor Span Code: S971 - BSH
Salt Water Environment: Salt Env - N
Parallel Bridge Number: 1431

Inspection Group
A

Inspection Group Comments

Roadway

Abut-Abut Detour: 1.0

HCP: 1

Other

- ☐ Bad Bridge Letter
- ☐ Stream Cross-Sections

Date Sent:

- ☐ Bridge Plans
- ☐ Urban Compact

Perp Clear Span: (ft)
NBI Clear Span: 0.000000000000 (ft)

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Repairs Done

Inspection Notes

Structure Number: 5949

Town: Hampden

Structure Name: SOUADABSCOOK EAST NB

Structure Notes

Three span steel painted girders. Concrete deck, abutments, piers, wings and wearing surface.

Wearing Surface

Did not chain wearing surface due to heavy traffic, but observed approximately 25% cracking and multiple patched areas. Isolated transverse cracking.

Deck

NBI Item 58: 4

Bottom of deck has spalling at blocking and joint areas and large areas of staining.
The West joint seal has failed and is leaking.
There are 3+ post on both the up and down stream ends that have either missing nuts or damaged.

Superstructure

NBI Item 59: 6

Approximately 25% paint system distress with moderate rusting at exterior beam end areas.
Several bearing anchor bolts are missing.

Substructure

NBI Item 60: 4

See 2015 dive report for substructure and channel details.
Exposed pier footings founded on ledge with no undermine.
Moderate cracking, staining and scaling of abutment bridge seats & back-walls.
West pier has a full height crack that is 1/8" wide at the top down to fine cracking at the bottom, and is unchanged.

Culvert

NBI Item 62: N

Channel

NBI Item 61: 6

Other

Special Inspection

Monitoring

Pontis Notes

Inspector: Steve Harris

Structure Number: 5949

Inspection Date: 09/13/2018

Facility Carried: I 95 NB

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	2 - Low	5724	sq. ft.	0	4724	1000	0
107 - Steel Open Girder/Beam	2 - Low	810	ft.	760	50	0	0
515 - Steel Protective Coating		810	sq. ft.	710	100	0	0
210 - Reinforced Concrete Pier Wall	2 - Low	85	ft.	75	5	5	0
215 - Reinforced Concrete Abutment	2 - Low	102	ft.	42	10	50	0
302 - Compression Joint Seal	2 - Low	85	ft.	45	40	0	0
311 - Movable Bearing	2 - Low	12	each	6	6	0	0
515 - Steel Protective Coating		12	sq. ft.	6	0	0	6
313 - Fixed Bearing	2 - Low	12	each	6	6	0	0
515 - Steel Protective Coating		12	sq. ft.	6	0	0	6
801 - Beam End	2 - Low	12	each	6	0	6	0
515 - Steel Protective Coating		12	sq. ft.	6	0	3	3
843 - Rigid Wearing Surface	2 - Low	5400	sq. ft.	4300	800	300	0
861 - Beam End – Protective Coating	2 - Low	12	each	6	0	3	3
871 - Aluminum Bridge Railing	4 - Sev.	270	ft	240	30	0	0

Over Limit Report

Bridge #: 5949
Bridge Name: SOUADABSCOOK EAST NB
Owner: 01 - State Highway Agency
Co-Owner: N Not applicable
Region: 04 - Eastern

Town1: Hampden
Town2:
Maintainer: 01 - State Highway Agency
Co-Maintainer: N Not applicable

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:

	<u>Left</u>	<u>Center</u>	<u>Right</u>	<u>Posted</u>	<u>Deficient Sign</u>
Main: <input type="text" value="SOUADABSCOOK STREAM"/>	-	-	-	<input type="checkbox"/> Main	-
Other: <input type="text"/>	-	-	-	<input type="checkbox"/> Other	-
Ramps:	-	-	-	<input type="checkbox"/> Ramp	-

Roadway - Heading South or West

Actual Heights in Feet-Inches

Date Measured:

	<u>Left</u>	<u>Center</u>	<u>Right</u>	<u>Posted</u>	<u>Deficient Sign</u>
Main: <input type="text" value="SOUADABSCOOK STREAM"/>	-	-	-	<input type="checkbox"/> Main	-
Other: <input type="text"/>	-	-	-	<input type="checkbox"/> Other	-
Ramps:	-	-	-	<input type="checkbox"/> Ramp	-

Vertical Clearance - Portal

Roadway:

Heading North or East

Actual Heights in Feet-Inches

Date Measured:

	<u>Left</u>	<u>Center</u>	<u>Right</u>	<u>Posted</u>	<u>Deficient Sign</u>
	-	-	-	<input type="checkbox"/> Portal	-

Heading South or West

Actual Heights in Feet-Inches

Date Measured:

	<u>Left</u>	<u>Center</u>	<u>Right</u>	<u>Posted</u>	<u>Deficient Sign</u>
	-	-	-	<input type="checkbox"/> Portal	-

Permitting

Pointer

☐ Red Flag Comments

Heading North Height: -
Heading South Height: -
Left Ramp Height: -
Right Ramp Height: -
Portal North Height: -
Portal South Height: -

Other Road Height: -

Bridge Width: 40 ft
Roadway Width: 40 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	1.08	
Permit Load Ratings		axles
		axles
		axles

Underwater Dive Inspection Report

Structure Number: 5949

Bridge Name: SOUADABSCOOK EAST NB

Town 1: 19280 - Hampden

Town 2:

Division: Bangor

DiveID: 5158

☐ Tidal:

Location: 3.3 MI E TL / 95 MI 177.9

Tide Information:

Photos:

Dive Entry Location: Either end - usually from trailing edge of bridge, DS side of lft pier.

none

Scour:

Comments/Hazards:

swim down from SB bridge.

Streambed Description:

Ledge covered with silt.

Channel Description:

Irregular bottom contour

Substructure Description:

2 piers on ledge in good condition. Inspected with SB bridge.
No significant change in exposed footing.
Piers on ledge per plans.
2011: No major changes. Exposed footing similar to previous report.
2015: Exposed footings.
Lft pier exposed 8'.
Right pier exposed 7'.
No changes.

Inspection Team:

Edwards

Role:

TL,SD

Merrithew

D

Amero

SD

Hannum

D

T

Dive Conditions:

Time: Entry: 3:40 AM/PM PM

Time: Exit: 4:00 AM/PM PM

Water Temp: 70

Visibility (ft): 1

Max Depth (ft): 10

Current: slight

Weather: sunny

Underwater Inspection Date: 09/01/2015

Channel Condition: 6

Substr/Culvert Condition: 6

Inspection Cycle: Y60

Ratings Comments:

footers exposed

Inspector: Steve Harris
Inspection Date: 09/13/2018

Structure Number: 5949
Facility Carried: I 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 1

Description Roadway looking South



PHOTO 2

Description North Joint View

Inspector: Steve Harris
Inspection Date: 09/13/2018

Structure Number: 5949
Facility Carried: I 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 3

Description North Joint - Seal Pushed down



PHOTO 4

Description Concrete Wearing Surface - Frequent patching

Inspector: Steve Harris
Inspection Date: 09/13/2018

Structure Number: 5949
Facility Carried: I 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 5

Description Aluminum Rail View



PHOTO 6

Description Concrete Wearing Surface - Moderate rutting

Inspector: Steve Harris
Inspection Date: 09/13/2018

Structure Number: 5949
Facility Carried: I 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 7

Description South Joint View



PHOTO 8

Description SW End Post - Moderate Cracking

Inspector: Steve Harris
Inspection Date: 09/13/2018

Structure Number: 5949
Facility Carried: I 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 9

Description View looking NW



PHOTO 10

Description SE beam End and Bearing - Anchor bolts gone

Inspector: Steve Harris
Inspection Date: 09/13/2018

Structure Number: 5949
Facility Carried: I 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 11

Description South Abutment View



PHOTO 12

Description Deck View - South Span - patching - cracking with efflo

Inspector: Steve Harris
Inspection Date: 09/13/2018

Structure Number: 5949
Facility Carried: I 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 13

Description South Pier Moderate cracks



PHOTO 14

Description South Pier Footing - exposed

Inspector: Steve Harris
Inspection Date: 09/13/2018

Structure Number: 5949
Facility Carried: I 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 16

Description North Abutment View



PHOTO 17

Description North Abutment - NW Beam End and Bearing View - All North Anchor bolts gone

Inspector: Steve Harris
Inspection Date: 09/13/2018

Structure Number: 5949
Facility Carried: I 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 18

Description North Abutment View



PHOTO 19

Description Deck View - North Span - Spall with exposed rebar

Inspector: Steve Harris
Inspection Date: 09/13/2018

Structure Number: 5949
Facility Carried: I 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 20

Description North Abutment - Interior Pedestal Spall



PHOTO 21

Description North Pier View

Inspector: Steve Harris
Inspection Date: 09/13/2018

Structure Number: 5949
Facility Carried: I 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 22

Description Deck View - Main Span

Maintenance Work Items

Structure Number: 5949

Structure Name: SOUADABSCOOK EAST NB

Town: 19280

Owner: Harris, Steve

Type	Work Item	Priority	Notes
Maintenance	Paint		Beam ends
Maintenance	Coat Beam Ends		
Maintenance	Repair Bridge Rail		
Preservation	Seal Joint		

MaineDOT NBIS Bridge Safety Inspection JSA

Inspector: Harris, Steve
Team Lead: Steve Harris

Structure Number: 5949
Structure Name: SOUADABSCOOK EAST NB
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

Potential Hazard:

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

Potential Hazard:

- ☒ Chipped Concrete or Steel (hand tools only)

Potential Hazard:

- ☒ 6' Vertical drops

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

A water assessment was completed as follows:

-Water flow was minimal but over 6' depth
-Use of PFD is required
-No rope is required for bankings
-Working solo so extra caution should be taken.

Controls:

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

Controls:

- ☒ Wear appropriate, prudent footwear
☐ Rope or fall protection

Controls:

- ☒ Wear appropriate, prudent eye/hand protection

Controls:

- ☒ Stay away from areas

Controls:

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

Controls:

Potential Hazard:

☒ Insects, Poison Ivy, or other environmental hazards

Potential Hazard:

☒ Lead paint and Avian excrement

Potential Hazard:

☐ Heavy Manual Lifting

Potential Hazard:

☐ DCS, Lung Expansion

Potential Hazard:

☐ Entanglement U/W

Potential Hazard:

☐ Boat Traffic

Potential Hazard:

☐ Cold Water

Potential Hazard:

☐ Live Boating

Other Potential Hazards:

☒ Apply insect repellent and/or sunscreen

☒ Protect skin with appropriate, prudent clothing

Controls:

☒ Wear gloves, do not scrape

Controls:

☐ Ask for assistance in donning dive gear,
lifting equipment

Controls:

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

Controls:

☐ Use knife, Comm gear

Controls:

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

Controls:

☐ Use adequate dry suit underwear
for water temperature

Controls:

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

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 Steve Harris

BRIDGE MANAGEMENT FORM

Bridge #: 5949
 Bridge Name: SOUADABSCOOK EAST NB
 Owner: 01 - State Highway Agency
 Co-Owner: N Not applicable
 Region: 04 - Eastern

Town1: Hampden
 Town2:
 County: 019 Penobscot
 Maintainer: 01 - State Highway Agency
 Co-Maintainer: N Not applicable

General Bridge Information

Feature On: 95 NB
 Feature Under: SOUADABSCOOK STREAM
 Year Built: 1961

Bridge Category:
 Span Code: S971 - BSH

Paint - Last Date:
 Wearing Surface - Last Date: 2000

Design Data

Structure Type: 02 - Stringer/Multi-beam or
 Structure Length: 135
 Inventory Rating: 0.83

Structure Material: 4 - Steel continuous
 Deck Width: 42.4
 Operating Rating: 1.08

NBI Bridge Length: Yes
 Deck Area: 5724
 Vertical Clearance: 0

Roadway Data

AADT: 13050
 Corridor Priority: 1
 Abut-Abut Detour: 1.0

Year of AADT: 2016
 Truck Traffic %: 5
 Bypass Detour: 1

NHS Indicator: 1 - Structure/Route is on NHS
 Federal Functional Class: 01 - Rural - Principal Arterial -
 Roadway Width: 40

Condition Data

Deck Rating: 4 - Poor Condition (advanced)
 Superstructure: 6 - Satisfactory Condition (minor)
 Substructure: 4 - Poor Condition (advanced)
 Scour Rating: 8 - Stable for scour conditions

Culvert: N - Not Applicable
 Str. Condition: 4 - Meets minimum tolerable limits
 Posting Limit:
 Posting Status: A - Open

Condition CSL:
 Safety CSL:
 Service CSL:

Field Review Notes

Bridge #	Status	Date	Reason
5949			

Work Plan Review Comments

6/20/16 per in house review - funded for PE only. Keep 2019 const.

7/29/14 - per in house review - get cores.

8/30/13 - per in house review - get cores

PROGRAM HISTORY

The information provided is for preliminary planning purposes. More current programming information may be found in ProjEx.

Bridge No.	Program Year	PSN	Scope	PE Cost	ROW Cost	Constr. Cost	CE Cost	Total Cost
5949	2016	68893	Bridge Improvement	235000	15000			250000

Bridge No.	Program Year	PSN	Scope	PE Cost	ROW Cost	Constr. Cost	CE Cost	Total Cost
5949	2019	68893	Bridge Replacement					3350000

Bridge Components

Bridge #: 5949
Bridge Name: SOUADABSCOOK EAST NB
Owner: 01 - State Highway Agency
Co-Owner: N Not applicable
Region: 04 - Eastern

Town1: Hampden
Town2:
Maintainer: 01 - State Highway Agency
Co-Maintainer: N Not applicable

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 Aluminum ☐ Retrofit
Shape Round ☐ Safety Walk
Attached To Parapet ☐ Pales
Number of Bars 2 ☐ Snow Fence
Extra Height N

Right Side Rail:

- Material Aluminum ☐ Retrofit
Shape Round ☐ Safety Walk
Attached To Parapet ☐ Pales
Number of Bars 2 ☐ Snow Fence
Extra Height N

Bearing Type Quantity:

- ☐ Disk ☐ Elastomeric
☐ Pot ☐ Rocker
☐ Roller ☐ 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

Bridge Preservation

Bridge #: 5949
Bridge Name: SOUADABSCOOK EAST NB
Owner: 01 - State Highway Agency
Co-Owner: N Not applicable
Region: 04 - Eastern

Town1: Hampden
Town2:
Maintainer: 01 - State Highway Agency
Co-Maintainer: N Not applicable

Deck

NBI Deck Information:

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

Wearing Surface:

Type 2 - Integral Concrete
Last Date 2000
Lifespan (Yrs)
Next Date Est. 2000
Mill & Fill Date

Common Preservation

Paint Information:

Type
Last Date
Lifespan (Yrs)
Next Date Est. 1975

Anodes:

☐ Installed
☐ Detached
☐ Replace

Superstructure

Beam Ends Paint:

Last Date
Next Date Est.

Bearings Paint:

Last Date
Next Date Est.

Bearings Lubrication:

Last Date
Next Date Est.

Beam Ends Fluid Film:

Last Date
Next Date Est.

Bearings Fluid Film:

Last Date
Next Date Est.

Treatment:

☐ Core 10
☐ Galvanized
☐ Metalized

Concrete-Silane:

Last Date
Next Date Est.

Washing:

☒ Required
☐ UBIT

Concrete-Linseed

Last Date
Next Date Est.
☐ Alkali-Silica reactivity

Substructure

General Notes

Highway Bridge Inspection Report

SOUADABSCOOK EAST NB

**I 95 NB
over
SOUADABSCOOK STREAM**

