

# Highway Bridge Inspection Report

**SOUADABSCOOK CENTER NB  
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:** 5950

**Facility Carried:** 95 NB

## **Highway Bridge Inspection Report**

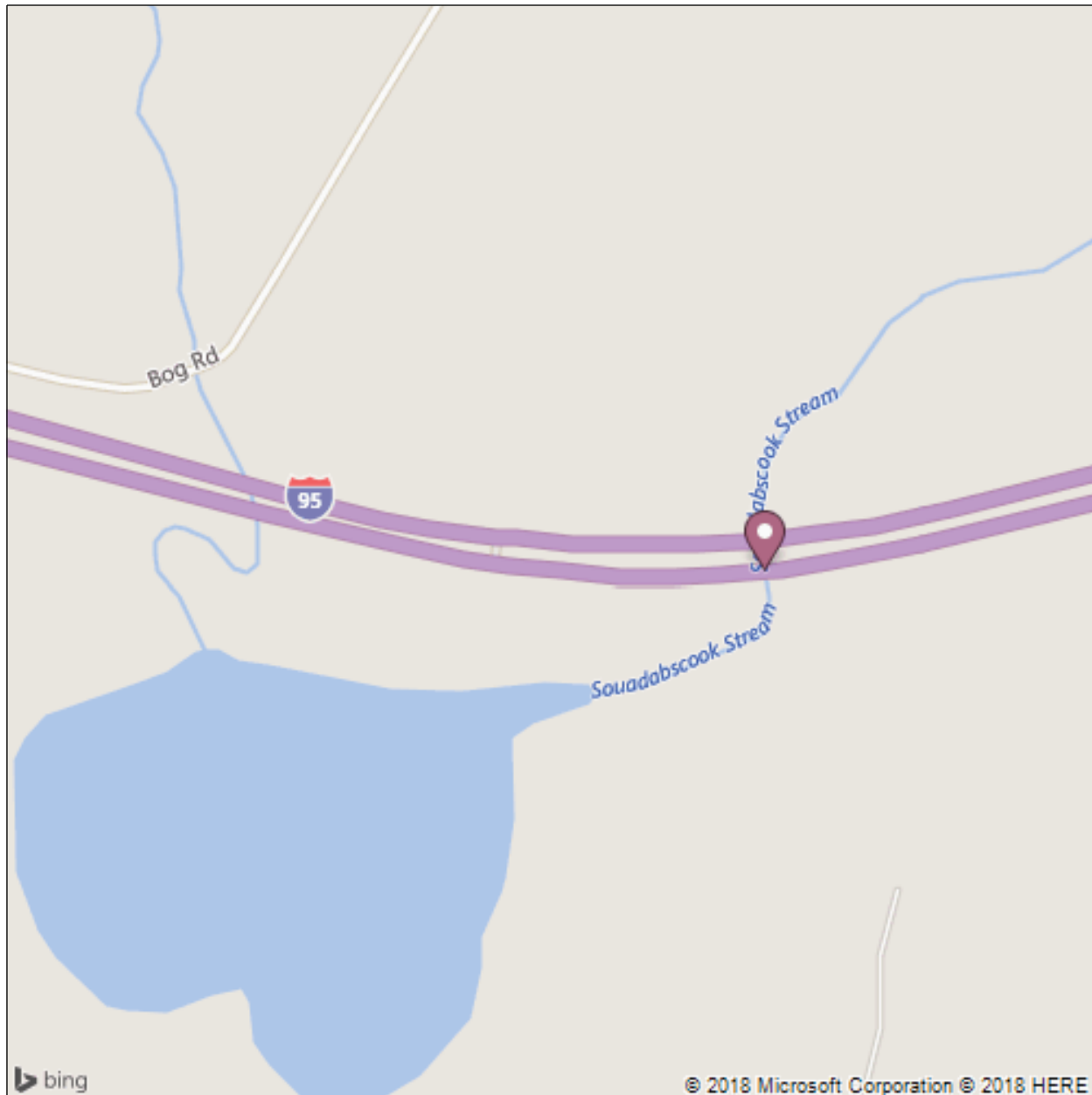
### **Executive Summary**

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

Structure Number: 5950  
Facility Carried: 95 NB

### Highway Bridge Inspection Report

### Location Map



Latitude: 44.76256  
Longitude: -68.90936

## National Bridge Inventory

Status: 1 - SD

Bridge Name: SOUADABSCOOK CENTER NB

Sufficiency Rating: 81.4

### 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	5950
(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	95 NB
(9) LOCATION	2.5 MI E TL/ 95 MI 177.1
(11) MILEPOINT	175.560
(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	44.76256
(17) LONGITUDE	-68.90936
(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	1 - Monolithic Concrete (concurrently placed with structural deck)
(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	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.)	43.0
(33) BRIDGE MEDIAN	0 - No median
(34) SKEW (deg.)	0
(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 UNDERCARENCE (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	6 - Satisfactory Condition (minor deterioration)
(61) CHANNEL & CHANNEL PROTECTION	7 - Bank protection needs minor repairs
(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	6
(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	
-----------------	--

(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 #: 5950  
Bridge Name: SOUADABSCOOK CENTER 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): 8.0

## 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 H-Piles  
Pier H-Piles  
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: 1432

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: 5950

Town: Hampden

Structure Name: SOUADABSCOOK CENTER NB

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### Structure Notes

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

### Wearing Surface

Did not chain wearing surface due to heavy traffic, but observed approximately 25% cracking, patched areas. Concrete wearing surface has 3 transverse cracks near center and 1/3rd of the way from each abutment.

### Deck

NBI Item 58: 4

Extensive areas of spalled concrete with exposed re-steel on bottom of joint header.  
Bottom of deck has heavy spalling with exposed re-steel at deck blocking areas and a high percentage of staining bottom of deck.  
Seals are intact, but have signs of moderate to heavy leakage.  
Note - deck at the East end was noted moving separately from the steel girders when large trucks passed over. Area noted was near center only a few feet out from the East abutment, top flange.  
4-5 posts are damaged and/or missing nuts on both the up and down stream ends of the bridge.  
Repair sink hole just behind the back wall, NW corner

### Superstructure

NBI Item 59: 6

Approximately 15% paint system distress with moderate rusting at beam end exterior bearing areas.  
Anchor bolts are missing.  
Bearings have 50%+ Paint loss for bearings under joints.  
Deck and deck are not integral at the East end, see deck note above.

### Substructure

NBI Item 60: 6

Moderate cracking and staining of back-wall areas.  
Pedestals have moderate cracking, spalled edges and staining.  
Concrete piers are in satisfactory condition.

### Culvert

NBI Item 62: N

Other

Special Inspection

Deck has separated from the superstructure at the East end of the bridge. Independent movement can be seen a few feet out from the center of the East abutment, top flange/deck, when a large truck passes over.

Monitoring

Pontis Notes

Inspector: Steve Harris

Structure Number: 5950

Inspection Date: 09/13/2018

Facility Carried: 95 NB

### Highway Bridge Inspection Report

### Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12 - Reinforced Concrete Deck</b>	4 - Sev.	5724	sq. ft.	0	4924	800	0
<b>107 - Steel Open Girder/Beam</b>	2 - Low	810	ft.	700	110	0	0
515 - Steel Protective Coating		810	sq. ft.	610	100	100	0
<b>210 - Reinforced Concrete Pier Wall</b>	2 - Low	85	ft.	85	0	0	0
<b>215 - Reinforced Concrete Abutment</b>	2 - Low	98	ft.	50	30	18	0
<b>302 - Compression Joint Seal</b>	2 - Low	85	ft.	85	0	0	0
<b>311 - Movable Bearing</b>	2 - Low	12	each	6	0	6	0
515 - Steel Protective Coating		12	sq. ft.	0	0	6	6
<b>313 - Fixed Bearing</b>	2 - Low	12	each	12	0	0	0
515 - Steel Protective Coating		12	sq. ft.	0	6	6	0
<b>801 - Beam End</b>	2 - Low	12	each	6	6	0	0
515 - Steel Protective Coating		12	sq. ft.	0	0	6	6
<b>843 - Rigid Wearing Surface</b>	4 - Sev.	5400	sq. ft.	4000	1000	400	0
<b>861 - Beam End – Protective Coating</b>	2 - Low	12	each	0	0	6	6
<b>871 - Aluminum Bridge Railing</b>	4 - Sev.	270	ft	262	8	0	0

# Over Limit Report

Bridge #: 5950  
Bridge Name: SOUADABSCOOK CENTER 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: 43.0 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	1.08	
Permit Load Ratings		axles
		axles
		axles

## Underwater Dive Inspection Report

**Structure Number:** 5950

**Bridge Name:** SOUADABSCOOK CENTER NB

**Town 1:** 19280 - Hampden

**Town 2:**

**Division:** Bangor

**DiveID:** 5156

☐ Tidal:

**Location:** 2.5 MI E TL/ 95 MI 177.1

**Tide Information:**

**Photos:**

**Dive Entry Location:** Upstream end

None

**Scour:**

**Comments/Hazards:**

dive same time as SB bridges

**Streambed Description:**

Gravel and stoney. Very silty.

**Channel Description:**

Mostly flat, even

**Substructure Description:**

2 mass concrete piers. Both of the footings are exposed on the channel side.  
Concrete was in good condition. According to plans footings are 6'-6" in height and shown to be sitting on piles.  
2007: Right footing exposed 0" to 10". Left footing exposed 0" to 17".  
2011: Right footing exposed up to 10" max.  
Left footing exposed up to 24" max. Ratings remain same. Footings on piles.  
2015:  
Right footing exposed up to 20"  
Left footing exposed up to 24".  
Ratings remain same.

**Inspection Team:**

**Role:**

**Dive Conditions:**

Edwards

TL,SD

Time: Entry: 2:35 AM/PM PM

Merrithew

D

Time: Exit: 2:50 AM/PM PM

Hannum

D

Water Temp: 70

Amero

SD

Visibility (ft): 1

Max Depth (ft): 9

Current: slight

Weather: sunny

Underwater Inspection Date: 09/01/2015

Channel Condition: 7

Substr/Culvert Condition: 7

Inspection Cycle: Y60

**Ratings Comments:**

piers on piles

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

**Structure Number:** 5950  
**Facility Carried:** 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:** 5950  
**Facility Carried:** 95 NB

### Highway Bridge Inspection Report

## Pictures



PHOTO 3

Description Aluminum Rail View



PHOTO 4

Description Concrete Wearing Surface - Crack



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

**Structure Number:** 5950  
**Facility Carried:** 95 NB

### Highway Bridge Inspection Report

## Pictures



PHOTO 5

Description Concrete Wearing Surface - Many Patches - cracking

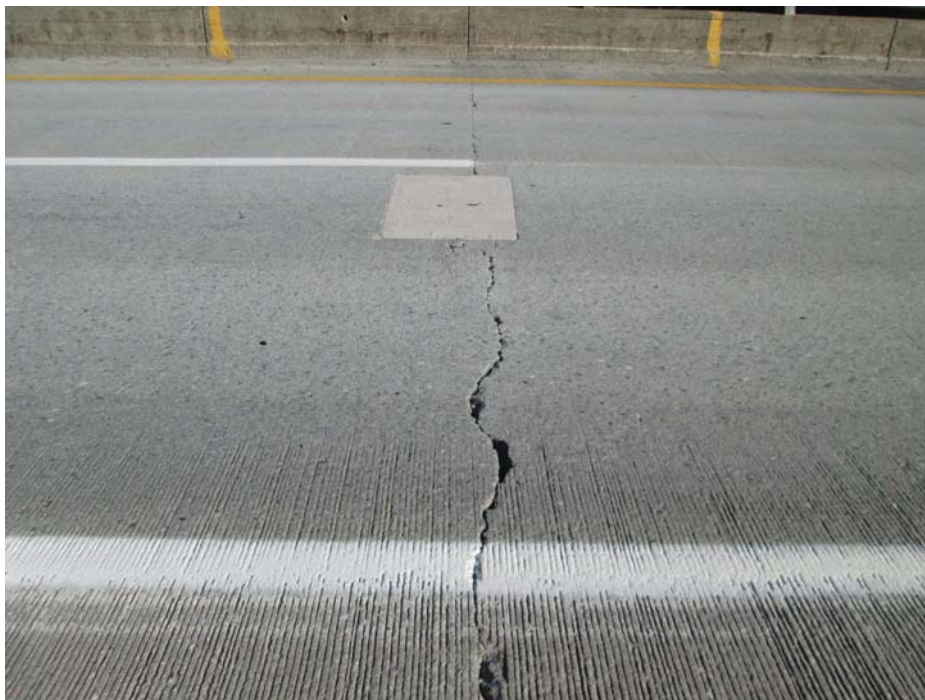


PHOTO 6

Description Concrete Wearing Surface - Patch and Heavy Crack - South

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

Structure Number: 5950  
Facility Carried: 95 NB

### Highway Bridge Inspection Report

## Pictures



PHOTO 7

Description South Joint View



PHOTO 8

Description SE end post - moderate map cracking



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

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### Highway Bridge Inspection Report

## Pictures



PHOTO 9

Description View looking NW



PHOTO 10

Description SE Beam end and Bearing View

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

Structure Number: 5950  
Facility Carried: 95 NB

### Highway Bridge Inspection Report

## Pictures



PHOTO 11

Description South Abutment View



PHOTO 12

Description South Interior Pedestal and Bearing View



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

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### Highway Bridge Inspection Report

## Pictures



PHOTO 13

Description Deck View - South Span



PHOTO 14

Description View Below South Joint

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

**Structure Number:** 5950  
**Facility Carried:** 95 NB

### Highway Bridge Inspection Report

## Pictures



PHOTO 15

Description South Pier View

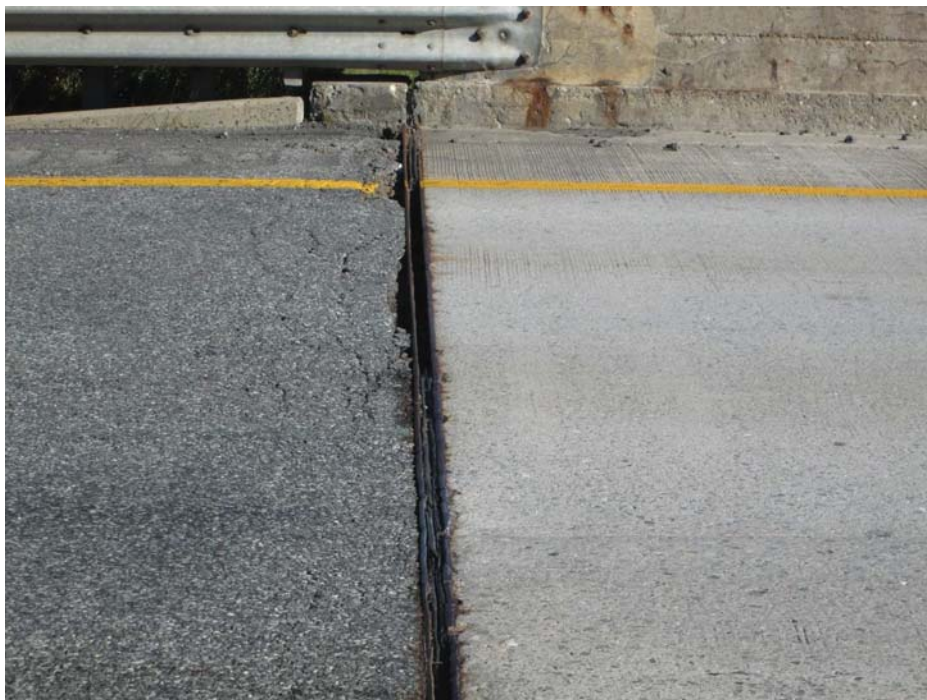


PHOTO 16

Description South Joint - West Side - banging

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

Structure Number: 5950  
Facility Carried: 95 NB

### Highway Bridge Inspection Report

## Pictures



PHOTO 18

Description North Abutment View



PHOTO 19

Description Deck View - South Span



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

**Structure Number:** 5950  
**Facility Carried:** 95 NB

### Highway Bridge Inspection Report

## Pictures



PHOTO 20

Description NW Bearing Pedestal View



PHOTO 21

Description Deck View - Main Span



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

**Structure Number:** 5950  
**Facility Carried:** 95 NB

### Highway Bridge Inspection Report

#### Pictures



PHOTO 22

Description     Deck View - Main Span

## Maintenance Work Items

**Structure Number:** 5950

**Structure Name:** SOUADABSCOOK CENTER  
NB

**Town:** 19280

**Owner:** Harris, Steve

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Type	Work Item	Priority	Notes
Maintenance	Stabilize Substructure		Grout Bag
Maintenance	Repair Deck		
Preservation	Replace Wearing Surface		

# MaineDOT NBIS Bridge Safety Inspection JSA

Inspector: Harris, Steve      Structure Number: 5950  
Team Lead: Steve Harris      Structure Name: SOUADABSCOOK CENTER 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

## 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

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

A water assessment was completed as follows:  
-Water flow was minimal but over 6' deep  
-Use of PFD is required  
-No rope is required for bankings  
-Working solo so extra caution should be taken.

## 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, use computers, Safety Stops  
(15' mark for 3 min.)

Controls:

☐ Use knife, Comm gear

Controls:

☐ Fly Dive Flag, use 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 #: 5950	Town1: Hampden
Bridge Name: SOUADABSCOOK CENTER NB	Town2:
Owner: 01 - State Highway Agency	County: 019 Penobscot
Co-Owner: N Not applicable	Maintainer: 01 - State Highway Agency
Region: 04 - Eastern	Co-Maintainer: N Not applicable

<b>General Bridge Information</b>			
Feature On: 95 NB	Bridge Category:	Paint - Last Date:	
Feature Under: SOUADABSCOOK STREAM	Span Code: S971 - BSH	Wearing Surface - Last Date:	1994
Year Built: 1961			
<b>Design Data</b>			
Structure Type: 02 - Stringer/Multi-beam or	Structure Material: 4 - Steel continuous	NBI Bridge Length:	Yes
Structure Length: 135	Deck Width: 42.4	Deck Area:	5724
Inventory Rating: 0.83	Operating Rating: 1.08	Vertical Clearance:	0
<b>Roadway Data</b>			
AADT: 13050	Year of AADT: 2016	NHS Indicator:	1 - Structure/Route is on NHS
Corridor Priority: 1	Truck Traffic %: 5	Federal Functional Class:	01 - Rural - Principal Arterial -
Abut-Abut Detour: 1.0	Bypass Detour: 1	Roadway Width:	40
<b>Condition Data</b>			
Deck Rating: 4 - Poor Condition (advanced	Culvert: N - Not Applicable	Condition CSL:	
Superstructure: 6 - Satisfactory Condition (minor	Str. Condition: 6 - Equal to present minimum criteria	Safety CSL:	
Substructure: 6 - Satisfactory Condition (minor	Posting Limit:	Service CSL:	
Scour Rating: 8 - Stable for scour conditions	Posting Status: A - Open		
<b>Field Review Notes</b>			
Bridge #	Status	Date	Reason
5950			
<b>Work Plan Review Comments</b>			
<p>6/20/16 per in house review - funded for PE only. Keep 2019 const.</p> <p>7/29/14 - per in house review - get cores</p> <p>8/30/13 - per in house review - get cores</p>			

## 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
5950	2016	68894	Bridge Improvement	235000	15000			250000

Bridge No.	Program Year	PSN	Scope	PE Cost	ROW Cost	Constr. Cost	CE Cost	Total Cost
5950	2019	68894	Bridge Replacement					3350000

# Bridge Components

Bridge #: 5950  
Bridge Name: SOUADABSCOOK CENTER 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 #: 5950  
Bridge Name: SOUADABSCOOK CENTER 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 1 - Monolithic  
Last Date 1994  
Lifespan (Yrs)  
Next Date Est. 1994  
Mill & Fill Date

## Common Preservation

### Paint Information:

Type  
Last Date  
Lifespan (Yrs)  
Next Date Est. 2001

### 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 CENTER NB**

**95 NB**

**over**

**SOUADABSCOOK STREAM**

