

Highway Bridge Inspection Report

**SOUADABSCOOK WEST NB
95 NB
over
SOUADABSCOOK STR**



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: 5951

Facility Carried: 95 NB

Highway Bridge Inspection Report

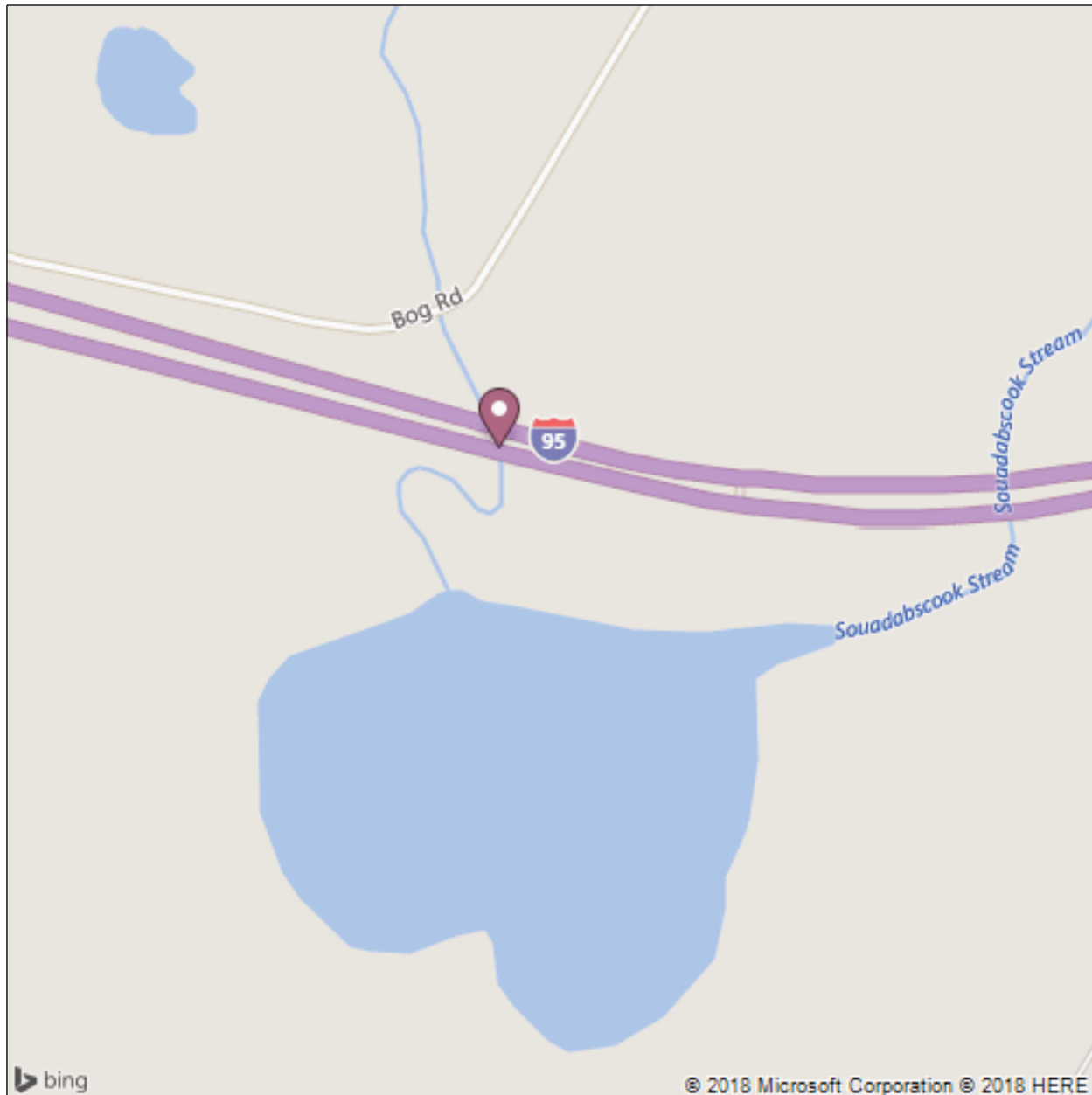
Executive Summary

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

Structure Number: 5951
Facility Carried: 95 NB

Highway Bridge Inspection Report

Location Map



Latitude: 44.76342
Longitude: -68.91940

National Bridge Inventory

Status: 1 - SD

Bridge Name: SOUADABSCOOK WEST NB

Sufficiency Rating: 76.3

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	5951
(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 STR
(7) FACILITY CARRIED	95 NB
(9) LOCATION	2 MI E TL/95 MILE 176.5
(11) MILEPOINT	175.051
(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	44.76342
(17) LONGITUDE	-68.91940
(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.)	137.0
(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.)	30
(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	5 - Fair Condition (minor section loss)
(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	1.11
(65) METHOD USED TO DETERMINE INVENTORY RATING	8 - Load and Resistance Factor
(66) INVENTORY RATING	0.86
(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 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 #: 5951
Bridge Name: SOUADABSCOOK WEST 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): 5809
Depth of Cover (ft):
Curb Reveal Lt (in): 7.9
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: 1433

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: 5951

Town: Hampden

Structure Name: SOUADABSCOOK WEST 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 high traffic volume, but observed approximately 50% scattered heavy cracking, wear, small forming potholes and patched area to concrete.

Deck

NBI Item 58: 4

Moderate cracking & staining to both fascia bays and ends of interior bays.

Worst areas toward deck ends.

Bottom of deck has a high percentage of blocking spalling, small delams and heavy cracking/ stained areas.

Largest concern at this time is the large percentage of cracking to both the concrete wearing surface and bottom of the deck.

The bottom of the joint haunches are in poor condition with 50%+ spalled and exposed re-steel.

5 gouged posts and 1 loose post on the up stream side.

4 broken posts with missing nuts and 2 damaged (intact) rails.

Superstructure

NBI Item 59: 6

Paint loss at beam ends and bearings from leaking joints.

The diaphragms have paint loss and scaling rust from the leaking deck above.

Approximately 15% paint system distress with moderate/ heavy rusting at exterior beam end areas

Substructure

NBI Item 60: 5

Crack in west side of the west pier was approx. 1/8" - 1/4" at the top and 1/16" - 1/8" at the bottom in 2011, estimated now to be 1/4"-3/8" in 2016.

There is a crack near the center on the East side of the East pier that is 1/8" wide at the top and is only fine cracking by the time it reaches halfway down the pier.

The back walls of both abutments have heavy rust staining and minor to moderate cracking.

The joint headers, multiple bearing blocks and deck haunches have spalled concrete with exposed re-steel.

See the latest U/W inspection for additional details.

Culvert

NBI Item 62: N

Channel

NBI Item 61: 7

Other

Special Inspection

Monitoring

2015 - Slight change in West abutment crack from 1/4" wide at top to 3/8".

Pontis Notes

Inspector: Steve Harris

Structure Number: 5951

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
12 - Reinforced Concrete Deck	4 - Sev.	5809	sq. ft.	0	4809	1000	0
107 - Steel Open Girder/Beam	2 - Low	822	ft.	700	122	0	0
515 - Steel Protective Coating		822	sq. ft.	522	200	100	0
210 - Reinforced Concrete Pier Wall	2 - Low	85	ft.	75	5	5	0
215 - Reinforced Concrete Abutment	2 - Low	98	ft.	0	50	48	0
302 - Compression Joint Seal	4 - Sev.	85	ft.	40	45	0	0
311 - Movable Bearing	2 - Low	18	each	12	6	0	0
515 - Steel Protective Coating		18	sq. ft.	9	0	6	3
313 - Fixed Bearing	2 - Low	6	each	0	6	0	0
515 - Steel Protective Coating		6	sq. ft.	0	0	6	0
801 - Beam End	2 - Low	12	each	0	12	0	0
515 - Steel Protective Coating		12	sq. ft.	0	3	6	3
843 - Rigid Wearing Surface	4 - Sev.	5480	sq. ft.	1917	1917	1646	0
861 - Beam End – Protective Coating	2 - Low	12	each	0	3	6	3
871 - Aluminum Bridge Railing	4 - Sev.	274	ft	269	5	0	0

Over Limit Report

Bridge #: 5951
Bridge Name: SOUADABSCOOK WEST 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 STR"/>	-	-	-	<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 STR"/>	-	-	-	<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	1.11	
Permit Load Ratings		axles
		axles
		axles

Underwater Dive Inspection Report

Structure Number: 5951

Bridge Name: SOUADABSCOOK WEST NB

Town 1: 19280 - Hampden

Town 2:

Division: Bangor

DiveID: 5159

☐ Tidal:

Location: 2 MI E TL/95 MILE 176.5

Tide Information:

Photos:

Dive Entry Location: from shore - side of highway

none

Scour:

Comments/Hazards:

Boat traffic (duck hunters)

Streambed Description:

Gravel to headsize stones. Very silty.

Channel Description:

steep V near piers then levels off in middle

Substructure Description:

2 mass concrete piers. Concrete is in good condition. According to plans, footings are 6'-6" in height and are on piles. 2007: No changes, right pier footing 0" to 13", left footing exposed 0" to 25". All pier footing exposure is on channel side.

2011: No major changes to pier footing exposure. Rt. pier footing exposed up to 26". Lft. pier footing exposed up to 25". No changes to ratings.

2015: Right pier footing exposed up to 32" max.
Left pier footing exposed up to 26" max.
No major changes in condition.

Inspection Team:

Role:

Dive Conditions:

Edwards

TL,SD

Time: Entry: 4:35 AM/PM PM

Amero

SD

Time: Exit: 4:50 AM/PM PM

Merrithew

D

Water Temp: 70

Hannum

D

Visibility (ft): 3

Max Depth (ft): 7

Current: slight

Weather: sunny

Underwater Inspection Date: 09/01/2015

Channel Condition: 5

Substr/Culvert Condition: 7

Inspection Cycle: Y60

Ratings Comments:

6'-6" footings on piles

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

Structure Number: 5951
Facility Carried: 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 1

Description Roadway looking North



PHOTO 2

Description South Joint View

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

Structure Number: 5951
Facility Carried: 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 3

Description Concrete Wearing Surface - moderate cracking



PHOTO 4

Description Aluminum Rail View

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

Structure Number: 5951
Facility Carried: 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 5

Description Wearing Surface - Patches and cracking



PHOTO 6

Description Concrete Wearing Surface -North - patching - cracks

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

Structure Number: 5951
Facility Carried: 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 7

Description North Joint View



PHOTO 8

Description NE Beam End and Bearing View

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

Structure Number: 5951
Facility Carried: 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 9

Description View looking SW



PHOTO 10

Description North Abutment View

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

Structure Number: 5951
Facility Carried: 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 11

Description East Interior Pedestal - Cracking - typical



PHOTO 12

Description Deck View - North span - large patch - staining and efflo

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

Structure Number: 5951
Facility Carried: 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 13

Description North Pier - Moderate Cracking



PHOTO 14

Description North Pier View -

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

Structure Number: 5951
Facility Carried: 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 15

Description South Pier - Full height Crack - North Side



PHOTO 17

Description SW Beam end and Bearing View

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

Structure Number: 5951
Facility Carried: 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 18

Description South Abutment View



PHOTO 19

Description South Abutment - Internal Bearing Pedestal - Spall

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

Structure Number: 5951
Facility Carried: 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 20

Description South Pier - Full Height Crack - South Side



PHOTO 21

Description Deck View - South Span - Scattered Spalls

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

Structure Number: 5951
Facility Carried: 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 22

Description SE Bearing Pedestal - Spall



PHOTO 23

Description Deck View - Main Span

Inspector: Steve Harris

Inspection Date: 09/13/2018

Structure Number: 5951

Facility Carried: 95 NB

Highway Bridge Inspection Report

Pictures



PHOTO 24

Description Deck View - Main Span

Maintenance Work Items

Structure Number: 5951

Structure Name: SOUADABSCOOK WEST NB

Town: 19280

Owner: Harris, Steve

Type	Work Item	Priority	Notes
Maintenance	Rehab Substructure		Rehab bearing blocks
Maintenance	Paint		Paint beam ends
Maintenance	Stabilize Substructure		Grout Bag
Maintenance	Seal Joint		
Preservation	Replace Wearing Surface		

MaineDOT NBIS Bridge Safety Inspection JSA

Inspector: Harris, Steve
Team Lead: Steve Harris

Structure Number: 5951
Structure Name: SOUADABSCOOK WEST 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' deep
-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, 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 #: 5951	Town1: Hampden
Bridge Name: SOUADABSCOOK WEST 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

General Bridge Information			
Feature On: 95 NB	Bridge Category:	Paint - Last Date:	
Feature Under: SOUADABSCOOK STR	Span Code: S971 - BSH	Wearing Surface - Last Date:	2000
Year Built: 1961			
Design Data			
Structure Type: 02 - Stringer/Multi-beam or	Structure Material: 4 - Steel continuous	NBI Bridge Length:	Yes
Structure Length: 137.0	Deck Width: 42.4	Deck Area:	5809
Inventory Rating: 0.86	Operating Rating: 1.11	Vertical Clearance:	0
Roadway Data			
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
Condition Data			
Deck Rating: 4 - Poor Condition (advanced	Culvert: N - Not Applicable	Condition CSL:	
Superstructure: 6 - Satisfactory Condition (minor	Str. Condition: 5 - Somewhat better than minimum	Safety CSL:	
Substructure: 5 - Fair Condition (minor section loss)	Posting Limit:	Service CSL:	
Scour Rating: 8 - Stable for scour conditions	Posting Status: A - Open		
Field Review Notes			
Bridge #	Status	Date	Reason
5951	Done	10/10/2001	
Work Plan Review Comments			
<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> <p>Watch ws & deck.</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
5951	2016	68895	Bridge Improvement	235000	1500			250000

Bridge No.	Program Year	PSN	Scope	PE Cost	ROW Cost	Constr. Cost	CE Cost	Total Cost
5951	2019	68895	Bridge Replacement					3350000

Bridge Components

Bridge #: 5951
Bridge Name: SOUADABSCOOK WEST 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 #: 5951
Bridge Name: SOUADABSCOOK WEST 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. 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 WEST NB

**95 NB
over
SOUADABSCOOK STR**

