Highway Bridge Inspection Report

I95 SB / SOUADABSCOOK CENTER

I 95 SB
over
SOUADABSCOOK STREAM

Asset Code: 1432

Inspection Date: 04/06/2017

Inspected By: Jamie Hannum

Inspection Type(s): Routine

TABLE OF CONTENTS

Inspector: Jamie Hannum

Inspection Date: 04/06/2017

Structure Number: 1432

Facility Carried: I 95 SB

Highway Bridge Inspection Report

Executive Summary

Inspector: Jamie Hannum

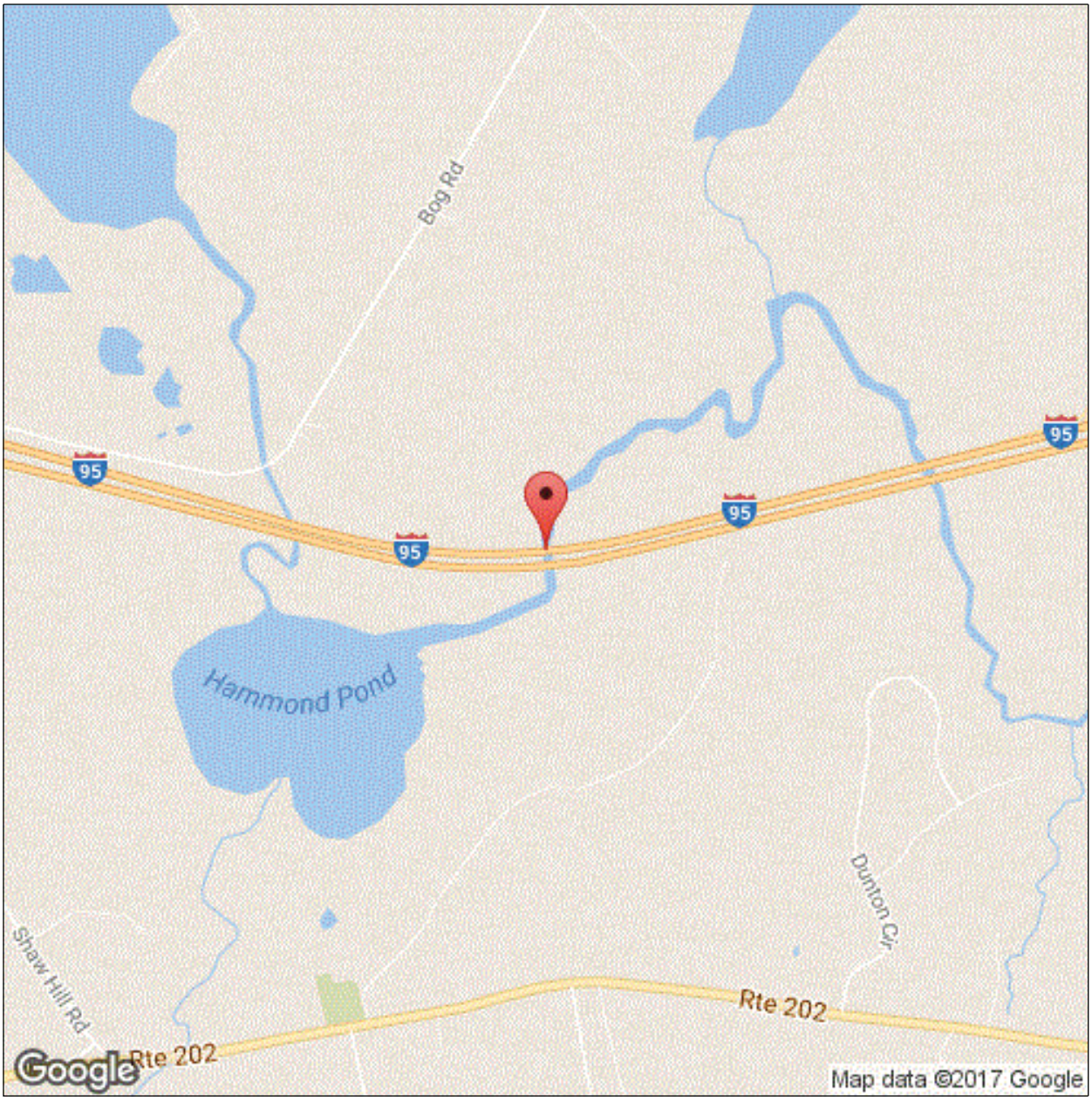
Inspection Date: 04/06/2017

Structure Number: 1432

Facility Carried: I 95 SB

Highway Bridge Inspection Report

Location Map



Latitude: 44.76298

Longitude: -68.90944

National Bridge Inventory

Status: 0 - ND Bridge Name: **I95 SB / SOUADABSCOOK CENTER** Sufficiency Rating: 89.6

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	09/01/2015
(92C) OTHER SPECIAL INSPECTION	N		

Identification

(1) STATE CODE	231 - Maine
(8) STRUCTURE NUMBER	1432
(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	2.5 MI E TL/ 95 MI 177.1
(11) MILEPOINT	127.631
(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	44.76298
(17) LONGITUDE	-68.90944
(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	-4
(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
(52) DECK WIDTH, OUT-TO-OUT (ft.)	42.4
(32) APPROACH ROADWAY WIDTH (ft.)	40
(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 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	6 - Satisfactory Condition (minor deterioration)
(59) SUPERSTRUCTURE	7 - Good Condition (some minor problems)
(60) SUBSTRUCTURE	7 - Good Condition (some minor problems)
(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	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	5 - Scour within limits of footing or piles

Proposed Improvements

(75) TYPE OF WORK

(75A) TYPE OF WORK PROPOSED	
(75B) WORK DONE BY	
(76) LENGTH OF STRUCTURE IMPROVEMENT (ft.)	
(94) BRIDGE IMPROVEMENT COST (SK)	
(95) ROADWAY IMPROVEMENT COST (SK)	
(96) TOTAL PROJECT COST	
(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(114) FUTURE ADT	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: 1432 **Structure Name:** I95 SB / SOUADABSCOOK CENTER

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		**Approach Span**	
Type:	1 Girder	Type:	_
Sub Type:	1 Deck	Sub Type:	_
Construction:	1 Rolled	Construction:	_
Material:	1 Steel	Material:	_
Continuity:	2 Continuous	Continuity:	_
Composite:	1 Non Composite	Composite:	_
Moveable:	0 No	Moveable:	_

Deck Area:	5724.285075600000000	(SF)
Curb Reveal Lt:	9.0	(in)
Curb Reveal Rt:	9.0	(in)

Repairs Done:

Year	How	Scope
2007	Maintenance	Deck Rehab
2007	Maintenance	Substructure Rehab

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: 1432 Town: Hampden

Structure Name: I95 SB / SOUADABSCOOK CENTER Inspection Date: 04/06/2017

Structure Notes

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

Wearing Surface

Approach bituminous settlement with nested cracking at both ends of the bridge. Concrete wearing surface has loss of tining in the wheel path areas. Minor transverse cracking. Nested cracking and minor settlement at the South approach pavement, see photo. Half of the aluminum bridge posts have plow damage (up stream end) the remainder are in good condition.

Deck **NBI Item 58:** 6

Deck rehab in 2007 included deck patches, sections of curb and end posts and bearing pedestals. Bridge rail on the down stream side has multiple gouged rail posts, broken posts that involve at least one bolt, a completely severed post and a torn rail, see photos.

Superstructure **NBI Item 59:** 7

North abutment center bearing is not bearing on the masonry plate and bouncing 1/4", see photo. Possibilities for this issue include abutment settlement or excessive pack rust under the remaining bearings. Painted steel girders are in good condition with moderate paint deterioration.

Substructure **NBI Item 60:** 7

Substructure rehab in 2007 included bearing block/pedestal rehab. Minor cracking of the wing walls and back walls. Concrete piers are in good condition with only very minor cracking.

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: 1432

Facility Carried: I 95 SB

Highway Bridge Inspection Report

National Bridge Inventory

IDENTIFICATION

(1) STATE CODE 231 - Maine
(8) STRUCTURE NUMBER 1432
(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 2.5 MI E TL/ 95 MI 177.1
(11) MILEPOINT 127.631 (12) BASE HIGHWAY NETWORK 1
(13A) LRS INVENTORY ROUTE 000000095S (13B) SUBROUTE NUMBER 00
(16) LATITUDE 44.76298 (17) LONGITUDE -68.90944
(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 -4
(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
(52) DECK WIDTH, OUT-TO-OUT (ft.) 42.4
(32) APPROACH ROADWAY WIDTH (ft.) 40
(33) BRIDGE MEDIAN 0 (34) SKEW (DEG.) 0
(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 6
(59) SUPERSTRUCTURE 7 (60) SUBSTRUCTURE 7
(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 6
(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 5
SUFFICIENCY RATING 0 STATUS 89.6

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

Structure Number: 1432

Inspection Date: 04/06/2017

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	5724		
107 - Steel Open Girder/Beam	2 - Low	810	ft.	710	100		
515 - Steel Protective Coating		810	sq. ft.	410	300	100	
210 - Reinforced Concrete Pier Wall	2 - Low	85	ft.	80	5		
215 - Reinforced Concrete Abutment	2 - Low	100	ft.	50	50		
302 - Compression Joint Seal	2 - Low	85	ft.	85			
311 - Movable Bearing	2 - Low	12	each	12			
515 - Steel Protective Coating		12	sq. ft.	0	6	6	
313 - Fixed Bearing	2 - Low	6	each	6			
515 - Steel Protective Coating		6	sq. ft.	0		6	
801 - Beam End	2 - Low	12	each	6	6		
843 - Rigid Wearing Surface	2 - Low	5400	sq. ft.	5400			
861 - Beam End – Protective Coating	2 - Low	12	each	0	6	6	
871 - Aluminum Bridge Railing	2 - Low	270	ft	140	100		30

MaineDOT Load Rating and Posting

Structure Number: 1432 Town 1: Hampden

Bridge Name: I95 SB / SOUADABSCOOK CENTER 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

- ☐ Posted
- Weight in tons:
- ☐ Posted for one truck at a time
- ☐ Posted for 4 axle
- ☐ Posted for spacing

Underwater Dive Inspection Report

Structure Number: 1432

Bridge Name: SOUADABSCOOK CENTER SB

Town 1: 19280 - Hampden

Town 2:

Division: Bangor

DiveID: 5155

☐ Tidal:

Location: 2.5 MI E TL/ 95 MI 177.1

Tide Information:

Photos:

None

Dive Entry Location: Swin down from Southbound bridge

Scour: 7

Comments/Hazards:

Debris, Brush on lft. pier.

Streambed Description:

Gravel, stoney, very silty.

Channel Description:

Channel is very irregular and continually changing as exposed footing measurements indicate.

Substructure Description:

2 mass concrete piers. Both of the footings are exposed from 20 to 30" on the channel side and buried to 8" exposure on the shore side. According to plans, footings are 6'-6" in height and shown to be sitting on piles. Debris at the nose of the left pier. Hairline crack in right pier footing on channel side, 6' from downstream end. Concrete is otherwise in good condition with no spalling. Right pier footing exposed up to 26" max.. Left pier footing exposed 0" to 24". 2011: Rt. pier footing exposed up to 40" max. Lft pier footing exposed up to 26" max. Vertical crack thru Rt footing - 1/8"W. Lowered Subst rating from 8 to 7. 2015: Right pier footing exposed up to 28" Left pier footing exposed up to 28". Upstream Left pier corner exposed now where previously buried.

Inspection Team:	Role:
Edwards	TL,SD
Amero	SD
Merrithew	D
Hannum	D
	T

Dive Conditions:

Time: Entry:	2:00	AM/PM PM
Time: Exit:	2:25	AM/PM PM
Water Temp:	70	
Visibility (ft):	1	
Max Depth (ft):	7	
Current:	none	
Weather:	sunny	
Underwater Inspection Date:	09012015	
Channel Condition:	5	
Substr/Culvert Condition:	7	
Inspection Cycle:	Y60	

Ratings Comments:

scour

Inspector: Jamie Hannum
Structure Number: 1432
Inspection Date: 04/06/2017
Facility Carried: I 95 SB

Highway Bridge Inspection Report

Pictures

PHOTO 1

Description Completely severed bridge rail post

PHOTO 2

Description Bridge rail post damage with broken base

Pictures

PHOTO 3

Description Split in bridge rail

PHOTO 4

Description Bridge rail post broken

Inspector: Jamie Hannum
Structure Number: 1432
Inspection Date: 04/06/2017
Facility Carried: I 95 SB

Highway Bridge Inspection Report

Pictures

PHOTO 5

Description Roadway looking South

PHOTO 6

Description Down stream end

Pictures

PHOTO 7

Description North deck joint

PHOTO 8

Description North abutment

Pictures

PHOTO 9

Description North abutment and beam ends

PHOTO 10

Description Bottom of the deck, North span

Pictures

PHOTO 11

Description Center bearing, North end, is not bearing on the masonry plate and bounces 1/4" when live load is applied

PHOTO 12

Description Up stream end

Pictures

PHOTO 13

Description South deck joint

PHOTO 14

Description South abutment

Inspector: Jamie Hannum

Inspection Date: 04/06/2017

Structure Number: 1432

Facility Carried: I 95 SB

Highway Bridge Inspection Report

Pictures

PHOTO 15

Description Looking South pier

Maintenance Work Items

Structure Number: 1432 **Structure Name:** I95 SB / SOUADABSCOOK CENTER

Town: 19280 **Owner:** Hannum, Jamie

Type	Work Item	Priority	Notes
Maintenance	Stabilize Substructure	3	Grout Bag
Maintenance	Repair Bridge Rail		Multiple rail and post issues
Maintenance	Reset Bearings		North abutment center bearing is bouncing

MaineDOT NBIS Bridge Safety Inspection JSA

Inspection Date: 04/07/2017
Structure Number: 1432
Inspector: Hannum, Jamie
Structure Name: I95 SB / SOUADABSCOOK CENTER
Team Lead: Jamie Hannum
Town: Hampden

Additional Team Members/Visitors:

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

Job being performed:

Bridge inspection

Potential Hazard:
- [x] Exposure to traffic

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

Potential Hazard:
- [x] Steep slopes and uneven working areas (rip rap, mud, loose fill, etc)

Controls:
- [x] Wear appropriate, prudent footwear
- [x] Rope or fall protection

Potential Hazard:
- [x] Chipped Concrete or Steel (hand tools only)

Controls:
- [x] Wear appropriate, prudent eye/hand protection

Potential Hazard:
- [x] 6' Vertical drops

Controls:
- [x] Stay away from areas

Potential Hazard:
- [x] Water Hazards
  - [ ] Water depth under 1 foot
  - [ ] Water depth 1 to 4 feet
  - [x] Water depth over 4 feet
  - [x] Water flow calm/slow moving
  - [ ] Water flow visible/not rapid
  - [ ] Water flow rapid with some short falls
  - [ ] Tidal Water

Controls:
- [x] Evaluate Water Hazard conditions
- [x] Use/Wear appropriate PPE
- [ ] Buddy System

Potential Hazard:
- [x] Insects, Poision Ivy, or other environmental hazards

Controls:
- [x] Apply insect repellant and/or sunscreen
- [x] Protect skin with appropriate, prudent clothing

Potential Hazard:
- [x] Lead paint and Avian excrement

Controls:
- [x] 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	☐ Sunscreen	☐ Throw Ring	☑ Call 911
☑ Vest	☑ First Aid	☐ Throw Rope	☑ First Aid Kit
☑ Glasses	☐ O2	☐ Positioning Device	☐ Fall Rescue Plan
☑ Gloves	☐ AED		☐ Water Rescue Plan
☑ PFD	☐ Comm Gear		☐ Dan 1-919-684-9111
☐ Rain Gear	☑ Cell Phone		☐ USCG 741-5465
☐ Bug Spray	☐ Boat		

Emergency Action Plan:

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