

Highway Bridge Inspection Report

BR# 5798

KENDUSKEAG AVENUE / I95

KENDUSKEAG AVENUE

Over

INTERSTATE 95

Town:

Bangor



Inspection Date: 06/08/2021

Inspected By: Harris, Scott

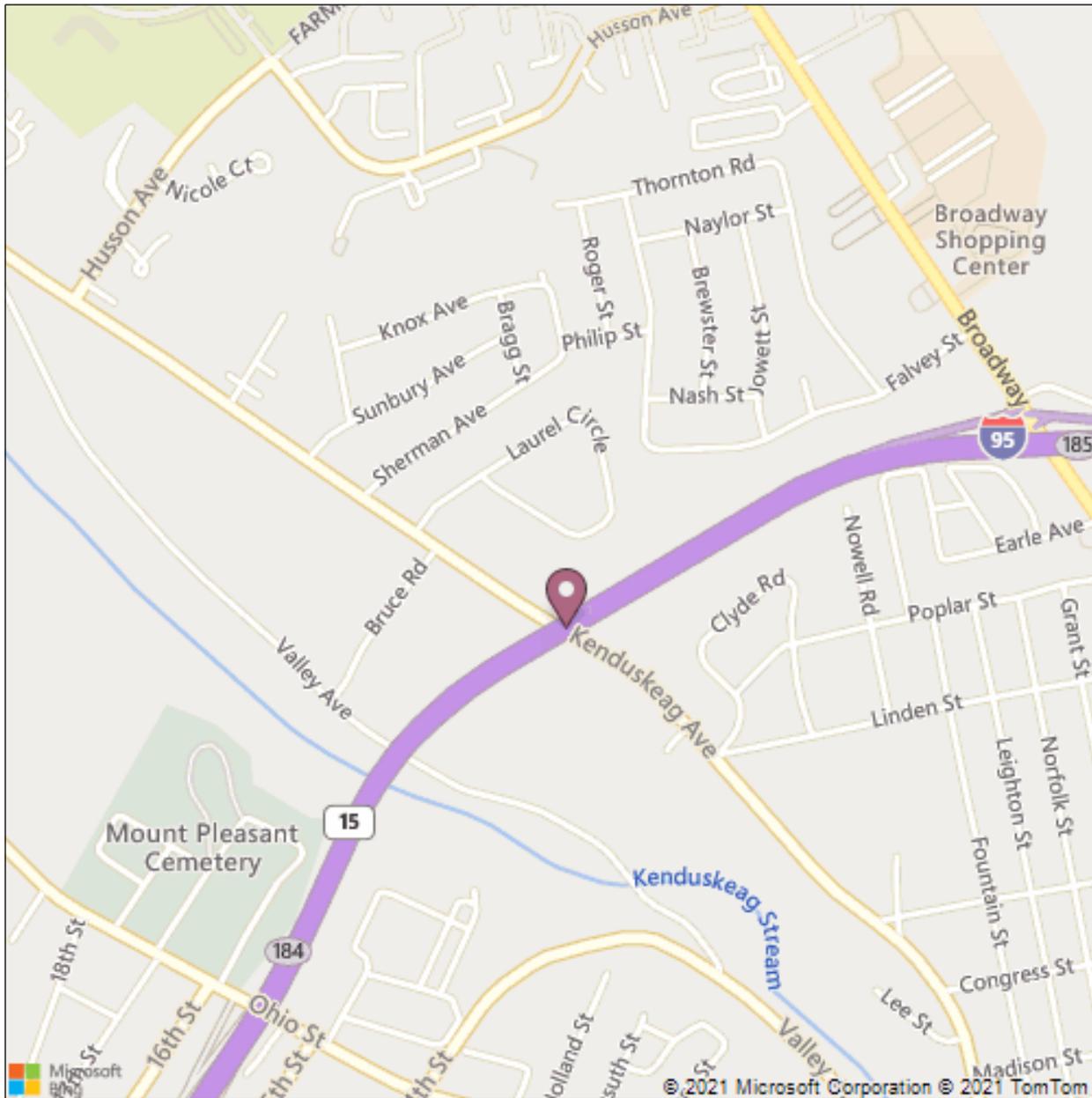
Inspection Type(s): Routine

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Location Map



Latitude: 44.81673

Longitude: -68.78493

National Bridge Inventory

Status: 2 - FO

Bridge Name: KENDUSKEAG AVENUE / I95

Sufficiency Rating: 73.9

Inspections

(90) INSPECTION DATE	& (91) DESIGNATED INSPECTION FREQUENCY	24	06/08/2021
(92) CRITICAL FEATURE INSPECTION	& (93) CFI DATE		
(92A) FRACTURE CRITICAL DETAIL		N	
(92B) UNDERWATER INSPECTION		N	
(92C) OTHER SPECIAL INSPECTION		N	

Identification

(1) STATE CODE	231 - Maine
(8) STRUCTURE NUMBER	5798
(5) INVENTORY ROUTE	
(5A) RECORD TYPE	1: Route carried "on" the structure
(5B) ROUTE SIGNING PREFIX	4 - COUNTY HIGHWAY
(5C) DESIGNATED LEVEL OF SERVICE	0 - None
(5) INVENTORY ROUTE	0
(5) INVENTORY ROUTE	0 - NOT APPLICABLE
(2) HIGHWAY AGENCY DISTRICT	04 - Eastern
(3) COUNTY CODE	019 Penobscot
(4) PLACE CODE	02795
(6) FEATURES INTERSECTED	INTERSTATE 95
(7) FACILITY CARRIED	KENDUSKEAG AVENUE
(9) LOCATION	0.5 MI S OF JCT RTE 15
(11) MILEPOINT	0.890
(12) BASE HIGHWAY NETWORK	Inventory Route is not on the Base Network
(13) LRS INVENTORY ROUTE, SUBROUTE	
(13A) LRS INVENTORY ROUTE	0001910159
(13B) SUBROUTE NUMBER	00
(16) LATITUDE	44.81673
(17) LONGITUDE	-68.78493
(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	3 - Steel
(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	4
(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	1960
(106) YEAR RECONSTRUCTED	
(42) TYPE OF SERVICE	
(42A) TYPE OF SERVICE ON BRIDGE	5 - Highway-pedestrian
(42B) TYPE OF SERVICE UNDER BRIDGE	1 - Highway, with or w/out pedestrian
(28) LANES	
(28A) LANES ON THE STRUCTURE	02
(28B) LANES UNDER THE STRUCTURE	04
(29) AVERAGE DAILY TRAFFIC	3020
(30) YEAR OF AVERAGE DAILY TRAFFIC	2016
(109) AVERAGE DAILY TRUCK TRAFFIC	5
(19) BYPASS DETOUR LENGTH	4

Geometric Data

(48) LENGTH OF MAXIMUM SPAN (ft.)	58.9
(49) STRUCTURE LENGTH (ft.)	229.7
(50) CURB/SIDEWALK WIDTHS	
(50A) LEFT CURB SIDEWALK (ft.)	3.0
(50B) RIGHT CURB SIDEWALK (ft.)	3.0
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	26.3
(52) DECK WIDTH, OUT-TO-OUT (ft.)	34.2
(32) APPROACH ROADWAY WIDTH (ft.)	38.0
(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.)	26.0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	327.76
(54) MIN VERTICAL UNDERCLEARANCE	
(54A) REFERENCE FEATURE	H - Highway beneath structure
(54B) MIN VERTICAL UNDERCLEARENCE (ft.)	16.25
(55) MIN LATERAL UNDER CLEARANCE RIGHT	
(55A) REFERENCE FEATURE	H - Highway beneath structure
(55B) MIN LATERAL UNDER CLEARANCE RIGHT (ft.)	11.15
(56) MIN LATERAL UNDER CLEARANCE (ft.)	3.9

Classification

(112) NBIS BRIDGE LENGTH	Yes
(104) HIGHWAY SYSTEM OF THE INVENTORY ROUTE	0 - Structure/Route is NOT on NHS
(26) FUNCTIONAL CLASSIFICATION OF INVENTORY ROUTE	17 - Urban - Collector
(100) STRAHNET HIGHWAY DESIGNATION	Not a STRAHNET route
(101) PARALLEL STRUCTURE DESIGNATION	N - No parallel structure
(102) DIRECTION OF TRAFFIC	2-way traffic
(103) TEMP STRUCTURE	
(105) FEDERAL LANDS HIGHWAYS	Not Applicable
(110) DESIGNATED NATIONAL NETWORK	Inventory route not on 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	5 - Fair Condition (minor section loss)
(59) SUPERSTRUCTURE	6 - Satisfactory Condition (minor deterioration)
(60) SUBSTRUCTURE	6 - Satisfactory Condition (minor deterioration)
(61) CHANNEL & CHANNEL PROTECTION	5 - Bank eroded.. major damage
(62) CULVERT	N - Not Applicable

Load Rating and Posting

(31) DESIGN LOAD	4 - H 20
(63) METHOD USED TO DETERMINE OPERATING RATING	8 - Load and Resistance Factor Rating (LRFR) rating report by rating factor (RF) method using HL-93 loadings.
(64) OPERATING RATING	1.36
(65) METHOD USED TO DETERMINE INVENTORY RATING	8 - Load and Resistance Factor Rating (LRFR) rating report by rating factor (RF) method using HL-93 loadings.
(66) INVENTORY RATING	1.05
(70) BRIDGE POSTING	5 - Equal to or above legal loads
(41) STRUCTURE OPEN/POSTED/CLOSED	A - Open

Appraisal

(67) STRUCTURAL EVALUATION	6
(68) DECK GEOMETRY	3
(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	4
(71) WATERWAY ADEQUACY	N - Not Applicable
(72) APPROACH ROADWAY ALIGNMENT	7 - Better than present minimum 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
(113) SCOUR CRITICAL BRIDGES

0 - Does not meet acceptable standards/safety feature is required
N - Not over waterway

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	4228
(115) YEAR OF FUTURE ADT	2036

Navigation Data

(38) NAVIGATION CONTROL	N - Not applicable, no waterway
(111) PIER OR ABUTMENT PROTECTION	
(39) NAV VERT CLEARANCE	0
(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE	0
(40) NAV HORIZONTAL CLEARANCE	0

Inspection Notes

Structure Number: 5798

Town: Bangor

Structure Name: KENDUSKEAG AVENUE / I95

Structure Notes

1960 Four span steel open girders. Concrete deck, abutments piers and wearing surface.

Pier caps and abutment repaired + new drains by Construction Contract 2008. Caps re-repaired 2009 due to premature failure of conc.

Wearing Surface

Chained entire concrete wearing surface and found approximately 10% minor/ isolated moderate cracking with small areas of delamination. Concrete at ends have been partially patched. Bituminous in this area is poor.

Deck

NBI Item 58: 5

Overall fair condition with light scaling of curb lines & fascia's. Scattered staining with isolated spalls and full depth patches. The North safety walk/curbs have been rehabbed. The South safety walk/curbs have sections of rehab. Scattered spalls exposing anchor bolts on the concrete portion of the bridge rail.

New thri-rail in front of old bridge rail. Plugged deck drain over the NW pier. Joints appear in satisfactory condition with no major leakage.

Superstructure

NBI Item 59: 6

Overall satisfactory condition with 30% paint system distress and minor rusting of flanges & lower web areas. Bearings at the abutments have been fluid filmed but not the beam ends.

Substructure

NBI Item 60: 6

Abutments have scattered moderate cracking, staining, and delamination adjacent to bearing areas. bridge seats. Piers have been rehabbed.

Culvert

NBI Item 62: N

Channel

NBI Item 61: 5

Other

Broken & hanging fiberglass utility conduit adjacent to I-95 NB travel/ shoulder area. Another section of conduit has separated over the SB travel lanes.
Slope protection has minor slumping near the tops. Heavy slope erosion in front of the NW pier. Approach guardrail has end damage.

Special Inspection**Monitoring****Pontis Notes**

Inspector: Scott Harris
 Inspection Date: 06/08/2021

Structure Number: 5798
 Facility Carried: KENDUSKEAG AVENUE

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.	7798	sq. ft.	0	7700	98	0
107 - Steel Open Girder/Beam	3 - Mod.	1140	ft.	840	300	0	0
515 - Steel Protective Coating		1140	sq. ft.	0	0	640	500
205 - Reinforced Concrete Column	3 - Mod.	6	each	0	6	0	0
215 - Reinforced Concrete Abutment	2 - Low	132	ft.	0	124	8	0
234 - Reinforced Concrete Pier Cap	3 - Mod.	113	ft.	0	103	10	0
302 - Compression Joint Seal	3 - Mod.	108	ft.	108	0	0	0
311 - Movable Bearing	3 - Mod.	20	each	0	20	0	0
515 - Steel Protective Coating		20	sq. ft.	0	0	10	10
313 - Fixed Bearing	3 - Mod.	20	each	0	20	0	0
515 - Steel Protective Coating		20	sq. ft.	0	0	10	10
331 - Reinforced Concrete Bridge Railing	3 - Mod.	456	ft.	456	0	0	0
801 - Beam End	3 - Mod.	40	each	20	20	0	0
515 - Steel Protective Coating		40	sq. ft.	0	0	20	20
809 - Steel Preventative Coating (Fluid Film)		40	sq. ft.	0	40	0	0
843 - Rigid Wearing Surface	3 - Mod.	5996	sq. ft.	4996	1000	0	0
855 - Slope Protection - Concrete	2 - Low	6600	sq. ft.	5000	1600	0	0

Over Limit Report

Bridge #: 5798
 Bridge Name: KENDUSKEAG AVENUE / I95
 Owner: 01 - State Highway Agency
 Co-Owner: N Not applicable
 Region: 04 - Eastern

Town1: Bangor
 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: 08/05/2013

	<u>Left</u>	<u>Center</u>	<u>Right</u>	<u>Posted</u>		<u>Deficient Sign</u>
Main: <input type="text" value="INTERSTATE 95"/>	15 - 8	15 - 1	14 - 8	<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: 08/05/2013

	<u>Left</u>	<u>Center</u>	<u>Right</u>	<u>Posted</u>		<u>Deficient Sign</u>
Main: <input type="text" value="INTERSTATE 95"/>	16 - 2	16 - 3	17 - 2	<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: 14 - 8 2037273-BRPT
 Heading South Height: 16 - 2 2037274-BRPT
 Left Ramp Height: -
 Right Ramp Height: -
 Portal North Height: -
 Portal South Height: -
 Other Road Height: -
 Bridge Width: 26.3 ft
 Roadway Width: 38.0 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	1.36	
Permit Load Ratings		axles
		axles
		axles

Underwater Dive Inspection Report

Structure Number: 5798

Town 1: 19020 - Bangor

Division: Bangor

Location: .5 MI S #15

Tide Information:

Dive Entry Location:

Scour:

Comments/Hazards:

Bridge Name: KENDUSKEAG AVENUE / I95

Town 2:

DiveID: 4090

Tidal:

Photos:

Streambed Description:

Channel Description:

Substructure Description:

Inspection Team:

Role:

Dive Conditions:

Time: Entry: AM/PM

Time: Exit: AM/PM

Water Temp:

Visibility (ft):

Max Depth (ft):

Current:

Weather:

Underwater Inspection Date:

Channel Condition:

Substr/Culvert Condition:

Inspection Cycle:

Ratings Comments:

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 1

Description Roadway looking east



PHOTO 2

Description Cracking bituminous over west abutment

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 3

Description wearing surface condition



PHOTO 4

Description pavement cracking over west abutment

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 5

Description north rail



PHOTO 6

Description south rail

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 7

Description WS condition



PHOTO 8

Description west pier joint

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 9

Description center pier joint



PHOTO 10

Description curb top scaling

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 11

Description east pier joint



PHOTO 12

Description crack SW joint armor curb plate

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 13

Description east end pavement



PHOTO 14

Description north side view

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 15

Description NE abutment beam end



PHOTO 16

Description paint system failures north girder

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 17

Description east abutment



PHOTO 18

Description East abutment slope pavement

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 19

Description Rotted out utility conduit east abutment



PHOTO 20

Description

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 21

Description typical of paint distress



PHOTO 22

Description east abutment bridge seat delaminating at bearing area

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 23

Description heavy paint system distress south girder



PHOTO 24

Description east pier east face

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 25

Description Large deck delam over east pier cap



PHOTO 26

Description east pier cap north end area

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 27

Description east span view



PHOTO 28

Description I-95 NB span

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 29

Description Heavy paint distress I-95 NB span



PHOTO 30

Description paint system distress

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 31

Description Center pier bridge seat spalling at bearing area



PHOTO 32

Description Center pier bridge seat spalling at bearing area

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 33

Description north end view



PHOTO 34

Description Loose fiberglass utility conduit adjacent to NB travel lanes/ shoulder area

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 35

Description Loose fiberglass utility conduit adjacent to NB travel lanes/ shoulder area



PHOTO 36

Description Loose fiberglass utility conduit adjacent to NB travel lanes/ shoulder area

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 37

Description Fallen fiberglass utility conduit adjacent to NB travel lanes/ shoulder area



PHOTO 38

Description Loose fiberglass utility conduit adjacent to NB travel lanes/ shoulder area

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 39

Description split fiberglass utility conduit adjacent to SB travel lanes



PHOTO 40

Description I-95 SB span

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 41

Description



PHOTO 42

Description chipped out delams I-95 SB span

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 43

Description I-95 SB span



PHOTO 44

Description south end view (west side)

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 45

Description south end view (east side)



PHOTO 46

Description utility conduit at west pier

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 47

Description west span view



PHOTO 48

Description west abutment/ slope pavement

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 49

Description west abutment



PHOTO 50

Description Deteriorated utility conduit at west abutment

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 51

Description west abutment beam ends



PHOTO 52

Description delaminated west abutment bridge seat

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 53

Description west abutment beam end



PHOTO 54

Description rusting west abutment beam end

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 55

Description west pier west face



PHOTO 56

Description spall spall west span bottom of deck

Inspector: Scott Harris
Inspection Date: 06/08/2021

Structure Number: 5798
Facility Carried: KENDUSKEAG AVENUE

Highway Bridge Inspection Report

Pictures



PHOTO 57

Description core holes

Maintenance Work Items

Structure Number: 5798
Town: 19020

Structure Name: KENDUSKEAG AVENUE / I95
Owner: Harris,Scott

Type	Work Item	Priority	Notes
Preservation	Other		Apply Silane
Preservation	Repair Wearing Surface		repair wearing surface near ends
Safety	Other		Repair utilities conduit
Maintenance	Repair Deck		Repair curbs
Maintenance	Repair Erosion		Repair slope erosion.
Preservation	Remove Debris		Clean drains.
Preservation	Coat Beam Ends		
Capital	Paint		

MaineDOT NBIS Bridge Safety Inspection JSA

Inspector: Harris, Scott
Team Lead: Scott Harris

Structure Number: 5798
Structure Name: KENDUSKEAG AVENUE / I95
Town: Bangor

Additional Team Members/Visitors:

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

Job being performed:

Routine bridge inspection.

Potential Hazard:

- Exposure to traffic

Caution - High traffic volume under the bridge

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

No water exists at the bridge

Potential Hazard:

-

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:

-

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:

Safety Equipment Required:

-

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:

Emergency Action Plan:

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

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 Scott B. Harris

Bridge Components

Bridge #: 5798
 Bridge Name: KENDUSKEAG AVENUE / I95
 Owner: 01 - State Highway Agency
 Co-Owner: N Not applicable
 Region: 04 - Eastern

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

Deck

<u>Joint Seal Type/MFG:</u>		<u>Joint Types:</u>		<u>Joint HDR Mat:</u>	<u>Other:</u>	<u>Rebar Type:</u>
<input type="checkbox"/> Emseal	<input type="checkbox"/> V Seal	<input type="checkbox"/> Finger	<input type="checkbox"/> Asphaltic Plug	<input type="checkbox"/> Sliding	<input type="checkbox"/> Curtain	
<input type="checkbox"/> Watson Bowman	<input type="checkbox"/> Hot Rubber	<input type="checkbox"/> Compression	<input type="checkbox"/> Modular	<input type="checkbox"/> Transflex	<input type="checkbox"/> Troughs	
<input type="checkbox"/> Pour-in-Place	<input type="checkbox"/> DS Brown	<input type="checkbox"/> Gland	<input type="checkbox"/> Waybo Crete	<input type="checkbox"/> Open	<input type="checkbox"/> Armor	
				<input type="checkbox"/> Concrete	<input type="checkbox"/> Elastomeric	
				<input type="checkbox"/> Delcrete	<input type="checkbox"/> LP Concrete	
				<input type="checkbox"/> Phoscrete	<input type="checkbox"/> Plycrete	

Superstructure

<u>Left Side Rail:</u>			<u>Right Side Rail:</u>		
Material	Aluminum	<input checked="" type="checkbox"/> Retrofit	Material	Aluminum	<input checked="" type="checkbox"/> Retrofit
Shape	Round	<input checked="" type="checkbox"/> Safety Walk	Shape	Round	<input checked="" type="checkbox"/> Safety Walk
Attached To	Parapet	<input type="checkbox"/> Pales	Attached To	Parapet	<input type="checkbox"/> Pales
Number of Bars	2	<input type="checkbox"/> Snow Fence	Number of Bars	2	<input type="checkbox"/> Snow Fence
Extra Height	N		Extra Height	N	

<u>Bearing Type Quantity:</u>		<u>Fatigue Prone Detail:</u>			
<input type="checkbox"/> Disk	<input type="checkbox"/> Elastomeric	<input type="checkbox"/> Narrow Cover Plate - Sq End Welded	<input type="checkbox"/> Narrow Cover Plate - Tapered End Welded		
<input type="checkbox"/> Pot	<input type="checkbox"/> Rocker	<input type="checkbox"/> Narrow Cover Plate - Sq End w/o Weld	<input type="checkbox"/> Narrow Cover Plate - Tapered End w/o Weld		
<input type="checkbox"/> Roller	<input type="checkbox"/> Sliding Plate	<input type="checkbox"/> Wide Cover Plate - Sq End Welded	<input type="checkbox"/> Longitudinal Stiffener - Welded with Radius		
<u>Other:</u>		<input type="checkbox"/> Wide Cover Plate - Sq End w/o Weld	<input type="checkbox"/> Longitudinal Stiffener - Welded w/o Radius		
<input type="checkbox"/> Pin Quantity		<input type="checkbox"/> Lateral Connection Plate - Welded	<input type="checkbox"/> Hoan Detail		
<input type="checkbox"/> Pin and Link Quantity					

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 #: 5798
 Bridge Name: KENDUSKEAG AVENUE / I95
 Owner: 01 - State Highway Agency
 Co-Owner: N Not applicable
 Region: 04 - Eastern

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

<p>Deck</p> <p><u>NBI Deck Information:</u></p> <p>Deck Type 1 - Concrete Cast-in-Place</p> <p>Deck Protection 0 - None</p> <p>Membrane Type 0 - None</p> <p><u>Wearing Surface:</u></p> <p>Type 1 - Monolithic Concrete (concurrently placed with structural deck)</p> <p>Last Date 1980</p> <p>Lifespan (Yrs) Next Date Est. 1980</p> <p>Mill & Fill Date</p>	<p>Common Preservation</p> <p><u>Paint Information:</u></p> <p>Type <input type="checkbox"/> Installed</p> <p>Last Date <input type="checkbox"/> Detached</p> <p>Lifespan (Yrs) <input type="checkbox"/> Replace</p> <p>Next Date Est. 0</p> <p><u>Anodes:</u></p>																					
<p>Superstructure</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;"><u>Beam Ends Paint:</u></td> <td style="width: 33%; border: none;"><u>Bearings Paint:</u></td> <td style="width: 33%; border: none;"><u>Bearings Lubrication:</u></td> </tr> <tr> <td style="border: none;">Last Date</td> <td style="border: none;">Last Date</td> <td style="border: none;">Last Date</td> </tr> <tr> <td style="border: none;">Next Date Est.</td> <td style="border: none;">Next Date Est.</td> <td style="border: none;">Next Date Est.</td> </tr> </table> <table style="width: 100%; border: none; margin-top: 10px;"> <tr> <td style="width: 33%; border: none;"><u>Beam Ends Fluid Film:</u></td> <td style="width: 33%; border: none;"><u>Bearings Fluid Film:</u></td> <td style="width: 33%; border: none;"><u>Treatment:</u></td> </tr> <tr> <td style="border: none;">Last Date</td> <td style="border: none;">Last Date</td> <td style="border: none;"><input type="checkbox"/> Core 10</td> </tr> <tr> <td style="border: none;">Next Date Est.</td> <td style="border: none;">Next Date Est.</td> <td style="border: none;"><input type="checkbox"/> Galvanized</td> </tr> <tr> <td></td> <td></td> <td style="border: none;"><input type="checkbox"/> Metalized</td> </tr> </table>	<u>Beam Ends Paint:</u>	<u>Bearings Paint:</u>	<u>Bearings Lubrication:</u>	Last Date	Last Date	Last Date	Next Date Est.	Next Date Est.	Next Date Est.	<u>Beam Ends Fluid Film:</u>	<u>Bearings Fluid Film:</u>	<u>Treatment:</u>	Last Date	Last Date	<input type="checkbox"/> Core 10	Next Date Est.	Next Date Est.	<input type="checkbox"/> Galvanized			<input type="checkbox"/> Metalized	<p><u>Concrete-Silane:</u></p> <p>Last Date</p> <p>Next Date Est.</p> <p><u>Washing:</u></p> <p><input checked="" type="checkbox"/> Required</p> <p><input type="checkbox"/> UBIT</p> <p><u>Concrete- Linseed</u></p> <p>Last Date</p> <p>Next Date Est.</p> <p><input type="checkbox"/> Alkali-Silica reactivity</p>
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