

# Highway Bridge Inspection Report

BR# 2786

JAMES ANDREW GRIFFITH

US RTE 1

Over

ST. George River

Town:

Warren



Inspection Date: 05/25/2021

Inspected By: Lane,Chris

Inspection Type(s): Routine

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**Inspector:** Chris Lane

**Structure Number:** 2786

**Inspection Date:** 05/25/2021

**Facility Carried:** US RTE 1

**Highway Bridge Inspection Report**

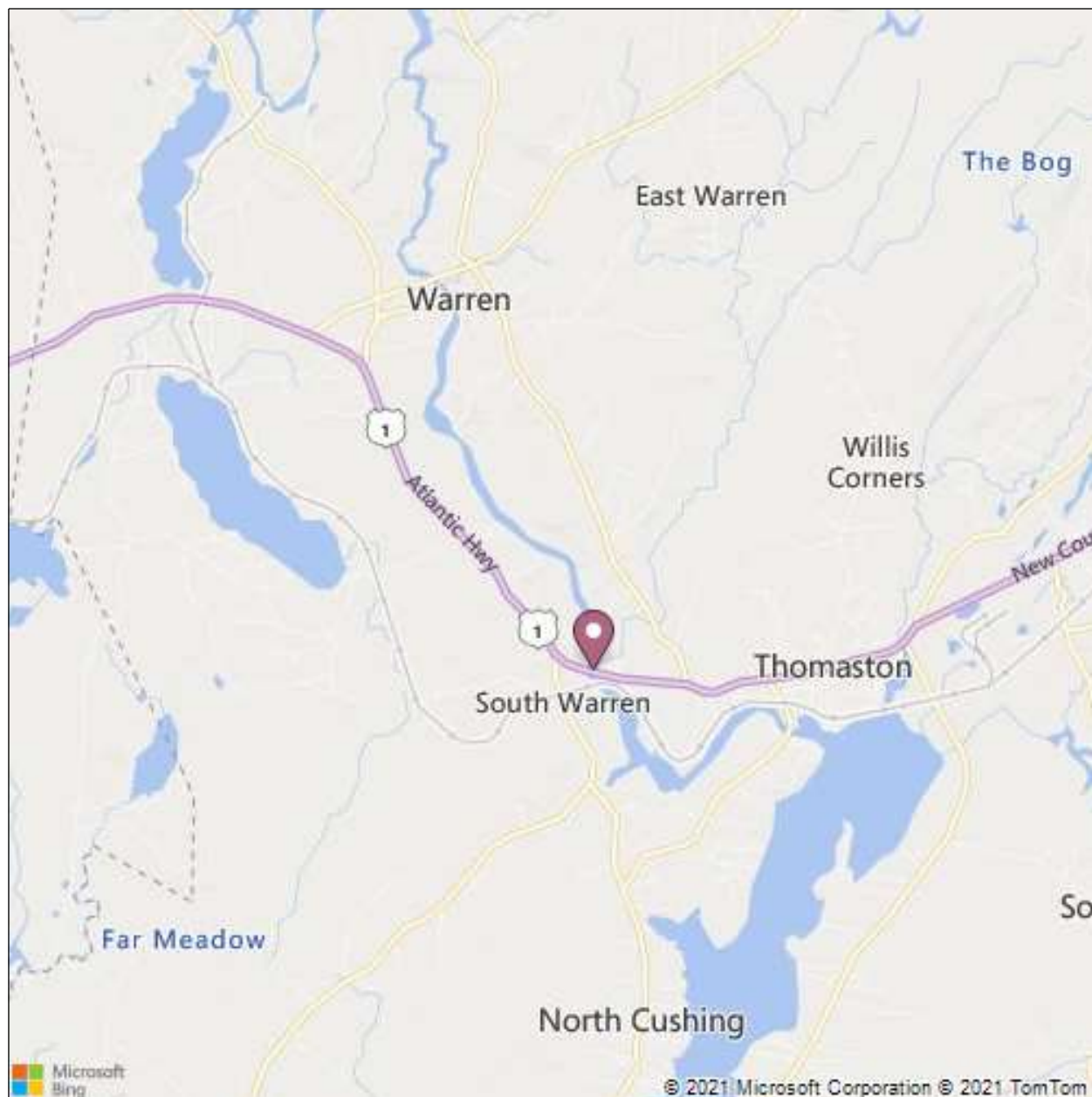
**Executive Summary**

Inspector: Chris Lane  
Inspection Date: 05/25/2021

Structure Number: 2786  
Facility Carried: US RTE 1

### Highway Bridge Inspection Report

### Location Map



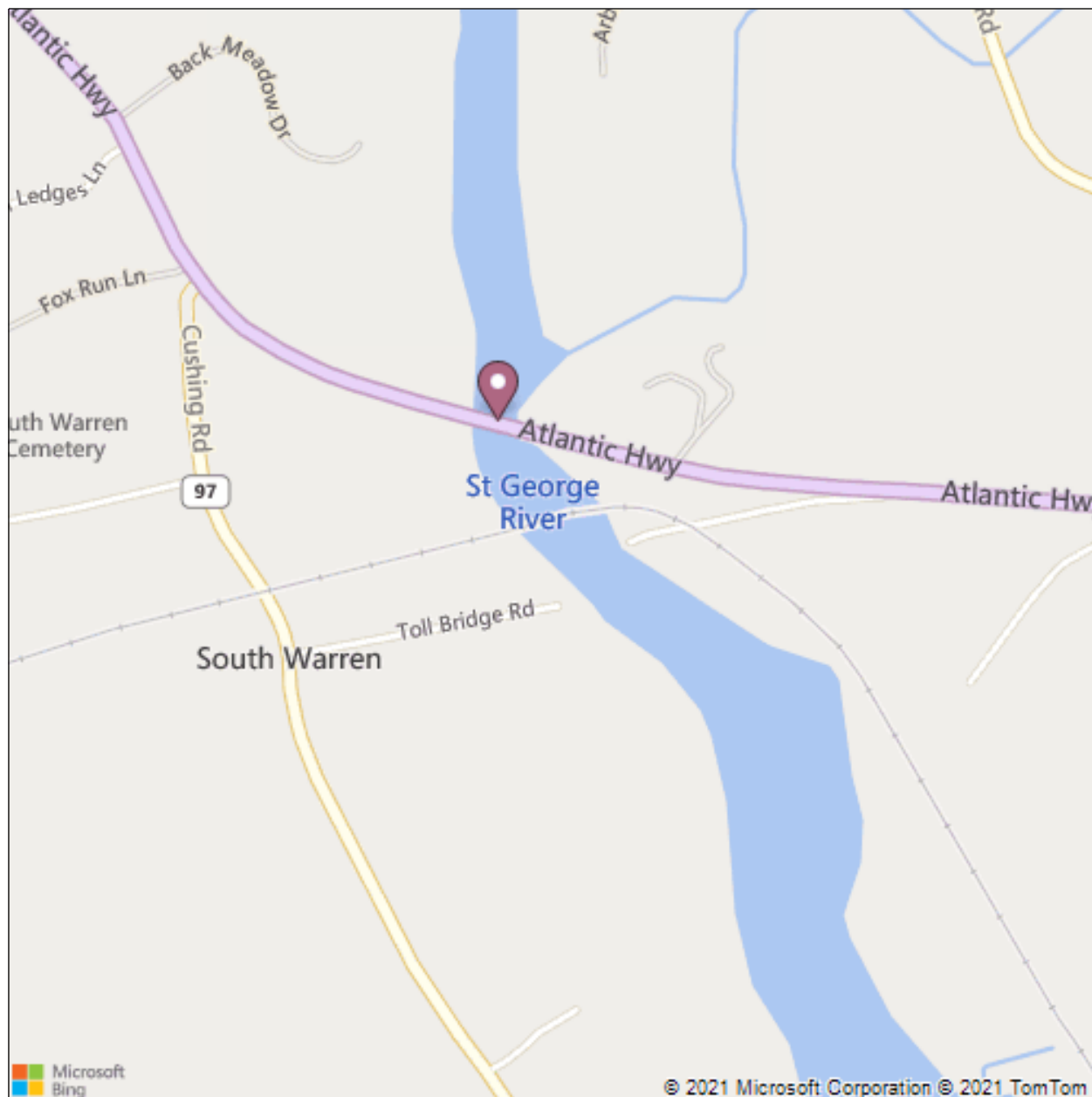
Latitude: 44.07861  
Longitude: -69.21915

Inspector: Chris Lane  
Inspection Date: 05/25/2021

Structure Number: 2786  
Facility Carried: US RTE 1

### Highway Bridge Inspection Report

#### Location Map



Latitude: 44.07861  
Longitude: -69.21915

## National Bridge Inventory

Status: 0 - ND

Bridge Name: JAMES ANDREW GRIFFITH

Sufficiency Rating: 71.0

### Inspections

(90) INSPECTION DATE	& (91) DESIGNATED INSPECTION FREQUENCY	24	05/25/2021
(92) CRITICAL FEATURE INSPECTION	& (93) CFI DATE		
(92A) FRACTURE CRITICAL DETAIL		N	
(92B) UNDERWATER INSPECTION		Y	60
(92C) OTHER SPECIAL INSPECTION		N	11/04/2019

### Identification

(1) STATE CODE	231 - Maine
(8) STRUCTURE NUMBER	2786
(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	1
(5) INVENTORY ROUTE	0 - NOT APPLICABLE
(2) HIGHWAY AGENCY DISTRICT	02 - Mid-Coast
(3) COUNTY CODE	013 Knox
(4) PLACE CODE	80215
(6) FEATURES INTERSECTED	ST. George River
(7) FACILITY CARRIED	US RTE 1
(9) LOCATION	4 MI. E. OF RTE. 90
(11) MILEPOINT	121.450
(12) BASE HIGHWAY NETWORK	Inventory Route is on the Base Network
(13) LRS INVENTORY ROUTE, SUBROUTE	
(13A) LRS INVENTORY ROUTE	000000001X
(13B) SUBROUTE NUMBER	00
(16) LATITUDE	44.07861
(17) LONGITUDE	-69.21915
(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	2
(46) NUMBER OF APPROACH SPANS	0
(107) DECK STRUCTURE TYPE	1 - Concrete Cast-in-Place
(108) WEARING SURFACE/PROTECTIVE SYSTEMS	
(108A) WEARING SURFACE	6 - Bituminous
(108B) DECK MEMBRANE	2 - Preformed Fabric
(108C) DECK PROTECTION	1 - Epoxy Coated Reinforcing

### Age of Service

(27) YEAR BUILT	1991
(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	8570
(30) YEAR OF AVERAGE DAILY TRAFFIC	2016
(109) AVERAGE DAILY TRUCK TRAFFIC	5
(19) BYPASS DETOUR LENGTH	21

### Geometric Data

(48) LENGTH OF MAXIMUM SPAN (ft.)	125
(49) STRUCTURE LENGTH (ft.)	256.0
(50) CURB/SIDEWALK WIDTHS	
(50A) LEFT CURB SIDEWALK (ft.)	0.5
(50B) RIGHT CURB SIDEWALK (ft.)	0.5
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	44.0
(52) DECK WIDTH, OUT-TO-OUT (ft.)	47.7
(32) APPROACH ROADWAY WIDTH (ft.)	44.0
(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.)	44.0
(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.)	22.00
(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.)	0

#### 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	02 - Rural - Principal Arterial - Other
(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	6 - Satisfactory Condition (minor deterioration)
(59) SUPERSTRUCTURE	6 - Satisfactory Condition (minor deterioration)
(60) SUBSTRUCTURE	5 - Fair Condition (minor section loss)
(61) CHANNEL & CHANNEL PROTECTION	6 - Bank slump. widespread minor damage
(62) CULVERT	N - Not Applicable

#### Load Rating and Posting

(31) DESIGN LOAD	9 - HS 25 or greater
(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	1.68
(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	1.3
(70) BRIDGE POSTING	5 - Equal to or above legal loads
(41) STRUCTURE OPEN/POSTED/CLOSED	A - Open

#### Appraisal

(67) STRUCTURAL EVALUATION	5
(68) DECK GEOMETRY	6
(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	N
(71) WATERWAY ADEQUACY	8 - Bridge Above Approaches
(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  
(113) SCOUR CRITICAL BRIDGES

0 - Does not meet acceptable standards/safety feature is required  
8 - Stable for scour conditions

<b>Proposed Improvements</b>
------------------------------

(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	11998
(115) YEAR OF FUTURE ADT	2036

<b>Navigation Data</b>
------------------------

(38) NAVIGATION CONTROL	0 - No navigation control on waterway (bridge permit not required)
(111) PIER OR ABUTMENT PROTECTION	1 - Navigation protection not required
(39) NAV VERT CLEARANCE	0
(116) MIN NAVIGATION VERT CLEARANCE, VERT LIFT BRIDGE	0
(40) NAV HORIZONTAL CLEARANCE	0



## Inspection Notes

Structure Number: 2786

Town: Warren

Structure Name: JAMES ANDREW GRIFFITH

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### Structure Notes

1991 Two span continuous Girders with concrete deck, bituminous wearing surface.

### Wearing Surface

Bituminous wearing surface is in good condition

### Deck

NBI Item 58: 6

Minor cracking and efflo along fascia and scattered fine vertical cracking throughout curbs.  
Several rail posts on both sides have minor collision damage with one cracked post on the south side.  
Modular joint is pinging when vehicular contact is made.

### Superstructure

NBI Item 59: 6

Overall good condition with newer paint system.

### Substructure

NBI Item 60: 5

Pier pipe piles have paint loss throughout with rusting and some heavy scaling. 2015 Dive report recommends substructure at a '5' due to rusting & paint loss to pipe piles.  
Both abutments have scattered vertical cracking and three areas of exposed footing up to 12' L x 14" H.

### Culvert

NBI Item 62: N

### Channel

NBI Item 61: 6

Moderate erosion at both stub abutments (founded on piles) with some exposed footing. Most extensive erosion in the SE corner.  
No undermining of abutments.  
Scour along the north upstream side of the pier seal is 4 foot x 4 foot x 2 foot deep according to the dive report.

**Other**

**Special Inspection**

**Monitoring**

**Pontis Notes**

Inspector: Chris Lane  
 Inspection Date: 05/25/2021

Structure Number: 2786  
 Facility Carried: US RTE 1

### 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.	12211	sq. ft.	6000	6211	0	0
<b>107 - Steel Open Girder/Beam</b>	4 - Sev.	1536	ft.	1536	0	0	0
515 - Steel Protective Coating		24570	sq. ft.	24570	0	0	0
<b>215 - Reinforced Concrete Abutment</b>	3 - Mod.	95	ft.	50	45	0	0
<b>225 - Steel Pile</b>	4 - Sev.	9	each	0	8	1	0
515 - Steel Protective Coating		9	sq. ft.	0	0	0	9
<b>234 - Reinforced Concrete Pier Cap</b>	3 - Mod.	48	ft.	42	6	0	0
<b>302 - Compression Joint Seal</b>	4 - Sev.	48	ft.	0	48	0	0
<b>303 - Assembly Joint with Seal</b>	4 - Sev.	48	ft.	0	48	0	0
<b>311 - Movable Bearing</b>	3 - Mod.	12	each	12	0	0	0
515 - Steel Protective Coating		12	sq. ft.	12	0	0	0
<b>313 - Fixed Bearing</b>	3 - Mod.	6	each	6	0	0	0
515 - Steel Protective Coating		6	sq. ft.	6	0	0	0
<b>801 - Beam End</b>	3 - Mod.	12	each	12	0	0	0
515 - Steel Protective Coating		12	sq. ft.	12	0	0	0
<b>820 - Reinforced Concrete Wall</b>	3 - Mod.	40	ft.	36	4	0	0
<b>841 - Asphalt Wearing Surface with Membrane</b>	4 - Sev.	12211	sq. ft.	12011	200	0	0
<b>861 - Beam End – Protective Coating</b>	3 - Mod.	12	each	0	12	0	0
<b>871 - Aluminum Bridge Railing</b>	4 - Sev.	512	ft	496	12	4	0

# Over Limit Report

Bridge #: 2786  
Bridge Name: JAMES ANDREW GRIFFITH  
Owner: 01 - State Highway Agency  
Co-Owner: N Not applicable  
Region: 02 - Mid-Coast

Town1: Warren  
Town2: Thomaston  
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="ST. George River"/>	-	-	-	<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="ST. George River"/>	-	-	-	<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: 44.0 ft  
Roadway Width: 44.0 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	1.68	
Permit Load Ratings		axles
		axles
		axles

## Underwater Dive Inspection Report

**Structure Number:** 2786

**Bridge Name:** JAMES ANDREW GRIFFITH

**Town 1:** 13170 - Warren

**Town 2:** 13140 - Thomaston

**Division:** Rockland

**DiveID:** 5238

☐ Tidal:

**Location:** 4 MI. E. OF RTE. 90

**Tide Information:** Dove on rising tide at 1400, strong currents toward end of dive.

**Photos:**

**Dive Entry Location:** Jon Boat dive - entered near clearing on eastern side of the bridge.

1-10

**Scour:** 7

### Comments/Hazards:

Tidal-strong currents dive @ slack high tide-possible boat traffic. Marine contractor located along eastern side of bridge.  
Missed slack tide - strong current  
watch for submerged timber piles in river bed, exposed H-piles in northern side of seal.  
Long walk with equipment through mud flat if diving at low slack tide.

### Streambed Description:

Marine clay- hard packed gravel with scour holes 4 feet long x 1 foot wide x 2 feet deep on north end of center pier.

### Channel Description:

Small localized scour holes around base of pipe piles. The pier is aligned in the center of the riverbed. both abutment are well protected with riprap and dry at the time of the inspection. Center of the channel is deeper around base of the pier piles.

### Substructure Description:

2 span-pipe pile pier w/conc. cap. Thin layer of algae growth & barnacles on piles. Cleans away easily, slight scour bowl shape around each pile. Depth is consistent in pier area. Coating failing in some areas (5%) rusting in some areas around coating failure.

2011: Coating failure in tidal zone continues - now rusting into steel pile. Deep pitting. Coating ok below low water. Thin marine algae growth on piles.

2015: Coating failure of piles in tidal zone is substantial. Lowered Substructure rating to "5".

2019: The abutments are protected with riprap and appears to be stable. Both abutments during the inspection were dry. The coating failure in and above the tidal zone continues to deteriorate on the above water sections of the pipe piles. The top 8 feet of the pipe piles have localized to widespread coating failure that ranges from 20 to 40 percent of the vertical piles and 75 to 100 percent on the batter piles. Below water the coating remains mostly intact with one exception, the north batter pile is 75 percent coated with 3 areas of localized coating, corrosion nodules that are up to 6 inches in diameter that have advanced section loss that has exposed the concrete fill. The concrete seal extends out roughly 5 feet and is exposed 12 inches along both pier faces. There is an exposed H-pile extending up out of the concrete seal adjacent to the pile 3 on the west side. The top of the seal is noted to be uneven with variations in height up to 40 inches. There is scour along the north upriver side of the seal that is 4 foot x 4 foot x 2 foot deep.

### Inspection Team:

Iantosca

### Role:

TL,SD

Cavanaugh

D

Klier

T

SD

### Dive Conditions:

Time: Entry: 1400 AM/PM PM

Time: Exit: 1521 AM/PM PM

Water Temp: 47

Visibility (ft): 1-2

Max Depth (ft): 12

Current: Strong

Weather: Sunny

Underwater Inspection Date: 11/04/2019

Channel Condition: 8

Substr/Culvert Condition: 4

Inspection Cycle: Y60

**Ratings Comments:**

Substructure rating lowered to a 4, North batter pile has 3 corrosion holes with advanced section loss exposing concrete fill. Repairs to the northern steel pipe pile should be made.

Inspector: Chris Lane  
Inspection Date: 05/25/2021

Structure Number: 2786  
Facility Carried: US RTE 1

### Highway Bridge Inspection Report

## Pictures



PHOTO 1

Description General roadway west



PHOTO 2

Description North side

Inspector: Chris Lane  
Inspection Date: 05/25/2021

Structure Number: 2786  
Facility Carried: US RTE 1

### Highway Bridge Inspection Report

## Pictures



PHOTO 3

Description West abutment



PHOTO 4

Description West abutment 2



Inspector: Chris Lane  
Inspection Date: 05/25/2021

Structure Number: 2786  
Facility Carried: US RTE 1

### Highway Bridge Inspection Report

## Pictures



PHOTO 5

Description Exposed footing west abutment



PHOTO 6

Description Cracking in west abutment

Inspector: Chris Lane  
Inspection Date: 05/25/2021

Structure Number: 2786  
Facility Carried: US RTE 1

### Highway Bridge Inspection Report

## Pictures



PHOTO 7

Description West span 1

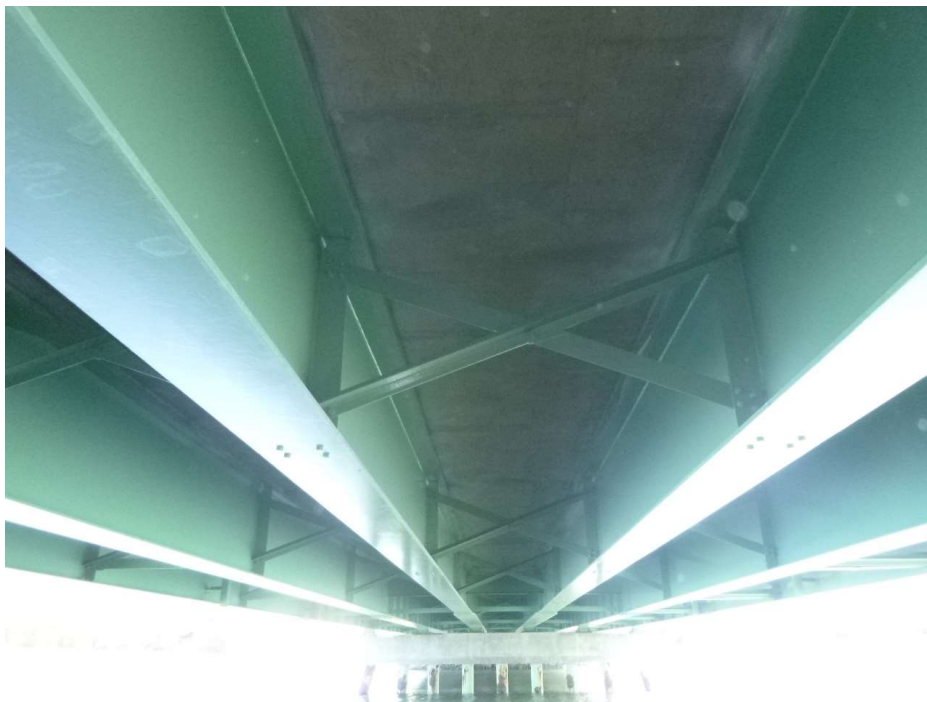


PHOTO 8

Description West span 2

Inspector: Chris Lane  
Inspection Date: 05/25/2021

Structure Number: 2786  
Facility Carried: US RTE 1

### Highway Bridge Inspection Report

## Pictures



PHOTO 9

Description West span 3



PHOTO 10

Description West side of pier bent



Inspector: Chris Lane  
Inspection Date: 05/25/2021

Structure Number: 2786  
Facility Carried: US RTE 1

### Highway Bridge Inspection Report

## Pictures



PHOTO 11

Description East side of pier bent



PHOTO 12

Description East span

Inspector: Chris Lane  
Inspection Date: 05/25/2021

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### Highway Bridge Inspection Report

## Pictures



PHOTO 13

Description East span 1



PHOTO 14

Description East span 2

Inspector: Chris Lane  
Inspection Date: 05/25/2021

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### Highway Bridge Inspection Report

## Pictures



PHOTO 15

Description East span 3



PHOTO 16

Description East span 4



Inspector: Chris Lane  
Inspection Date: 05/25/2021

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### Highway Bridge Inspection Report

## Pictures



PHOTO 17

Description East abutment



PHOTO 18

Description East abutment cracking

Inspector: Chris Lane  
Inspection Date: 05/25/2021

Structure Number: 2786  
Facility Carried: US RTE 1

### Highway Bridge Inspection Report

## Pictures



PHOTO 19

Description South side



PHOTO 20

Description West bridge seat



Inspector: Chris Lane  
Inspection Date: 05/25/2021

Structure Number: 2786  
Facility Carried: US RTE 1

### Highway Bridge Inspection Report

## Pictures



PHOTO 21

Description East bridge seal



PHOTO 22

Description Cracking throughout curbs

Inspector: Chris Lane  
Inspection Date: 05/25/2021

Structure Number: 2786  
Facility Carried: US RTE 1

### Highway Bridge Inspection Report

## Pictures



PHOTO 23

Description Damaged guardrail and post south side



PHOTO 24

Description Downstream channel

Inspector: Chris Lane  
Inspection Date: 05/25/2021

Structure Number: 2786  
Facility Carried: US RTE 1

### Highway Bridge Inspection Report

## Pictures



PHOTO 25

Description Erosion SE corner



PHOTO 26

Description Upstream channel



Inspector: Chris Lane  
Inspection Date: 05/25/2021

Structure Number: 2786  
Facility Carried: US RTE 1

### Highway Bridge Inspection Report

## Pictures



PHOTO 27

Description    Dedication plaque

## Maintenance Work Items

**Structure Number:** 2786

**Structure Name:** JAMES ANDREW GRIFFITH

**Town:** 13170

**Owner:** Lane,Chris

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Type	Work Item	Priority	Notes
Maintenance	Rehab Substructure	3	Rehab Substructure - rehab piles
Preservation	Other	3	Apply Silane
Maintenance	Repair Scour	3	Add rip rap at Abutment footings
Maintenance	Repair Bridge Rail	4	Replace missing bolt and repair damage (one post cracked south side)
		3	
		3	

# MaineDOT NBIS Bridge Safety Inspection JSA

Inspector: Lane,Chris  
Team Lead: Chris Lane  
Structure Number: 2786  
Structure Name: JAMES ANDREW GRIFFITH  
Town: Warren

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

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                                      | Sunscreen                                      | Throw Ring                                  | Call 911  |
| <input checked="" type="checkbox"/> Vest      | <input checked="" type="checkbox"/> First Aid  | <input type="checkbox"/> Throw Rope         | <input checked="" type="checkbox"/> First Aid Kit |
| <input checked="" type="checkbox"/> Glasses   | <input type="checkbox"/> O2                    | <input type="checkbox"/> Positioning Device | <input type="checkbox"/> Fall Rescue Plan         |
| <input checked="" type="checkbox"/> Gloves    | <input type="checkbox"/> AED                   |   | <input type="checkbox"/> Water Rescue Plan        |
| <input checked="" type="checkbox"/> PFD       | <input type="checkbox"/> Comm Gear             |   | <input type="checkbox"/> Dan 1-919-684-9111       |
| <input type="checkbox"/> Rain Gear            | <input checked="" type="checkbox"/> Cell Phone |   | <input type="checkbox"/> USCG 741-5465            |
| <input checked="" type="checkbox"/> Bug Spray | <input type="checkbox"/> Boat                  |   |   |

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 Christopher Lane



# Bridge Components

Bridge #: 2786  
Bridge Name: JAMES ANDREW GRIFFITH  
Owner: 01 - State Highway Agency  
Co-Owner: N Not applicable  
Region: 02 - Mid-Coast

Town1: Warren  
Town2: Thomaston  
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 Semi-Elliptical ☐ Safety Walk  
Attached To Curb ☐ Pales  
Number of Bars 2 ☐ Snow Fence  
Extra Height N

### Right Side Rail:

- Material Aluminum ☐ Retrofit  
Shape Semi-Elliptical ☐ Safety Walk  
Attached To Curb ☐ 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 #: 2786  
Bridge Name: JAMES ANDREW GRIFFITH  
Owner: 01 - State Highway Agency  
Co-Owner: N Not applicable  
Region: 02 - Mid-Coast

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

## Deck

### NBI Deck Information:

Deck Type 1 - Concrete Cast-in-Place  
Deck Protection 1 - Epoxy Coated Reinforcing  
Membrane Type 2 - Preformed Fabric

### Wearing Surface:

Type 6 - Bituminous  
Last Date  
Lifespan (Yrs)  
Next Date Est. 0  
Mill & Fill Date

## Common Preservation

### Paint Information:

Type  
Last Date 1991  
Lifespan (Yrs)  
Next Date Est. 2041

### 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. 1991

### Washing:

☒ Required  
☐ UBIT

### Concrete-Linseed

Last Date  
Next Date Est.  
☐ Alkali-Silica reactivity

## Substructure

## General Notes