

**Inspector:** Calderwood,Engineering  
**Inspection Date:** 10/29/2024

**Structure Number:** 5799  
**Facility Carried:** I 395 EB

**Highway Bridge Inspection Report**

**Inspection Type(s): Routine**

**Bridge Name:** I395 / MAIN STREET

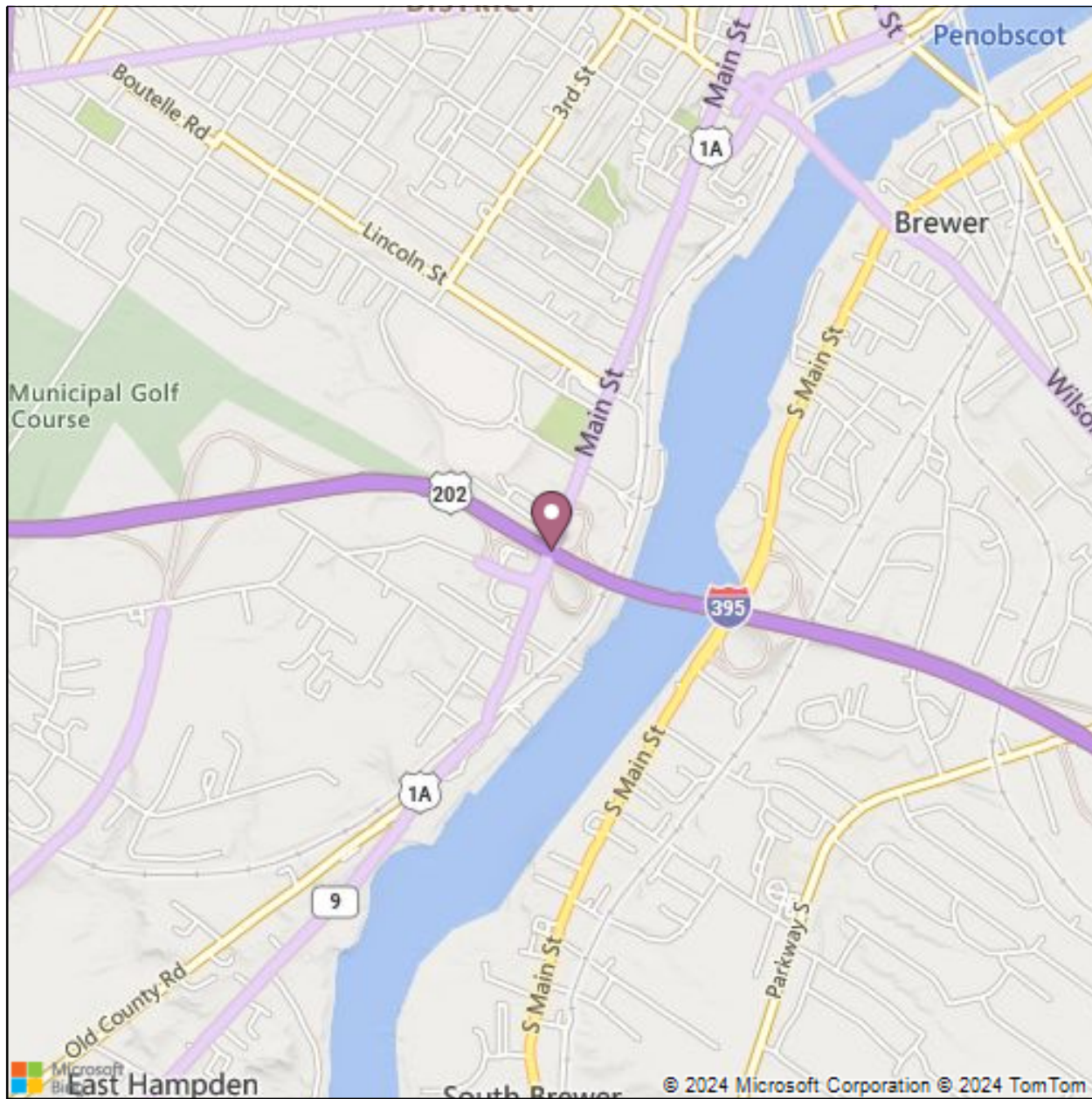
**Town:** Bangor



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### Highway Bridge Inspection Report



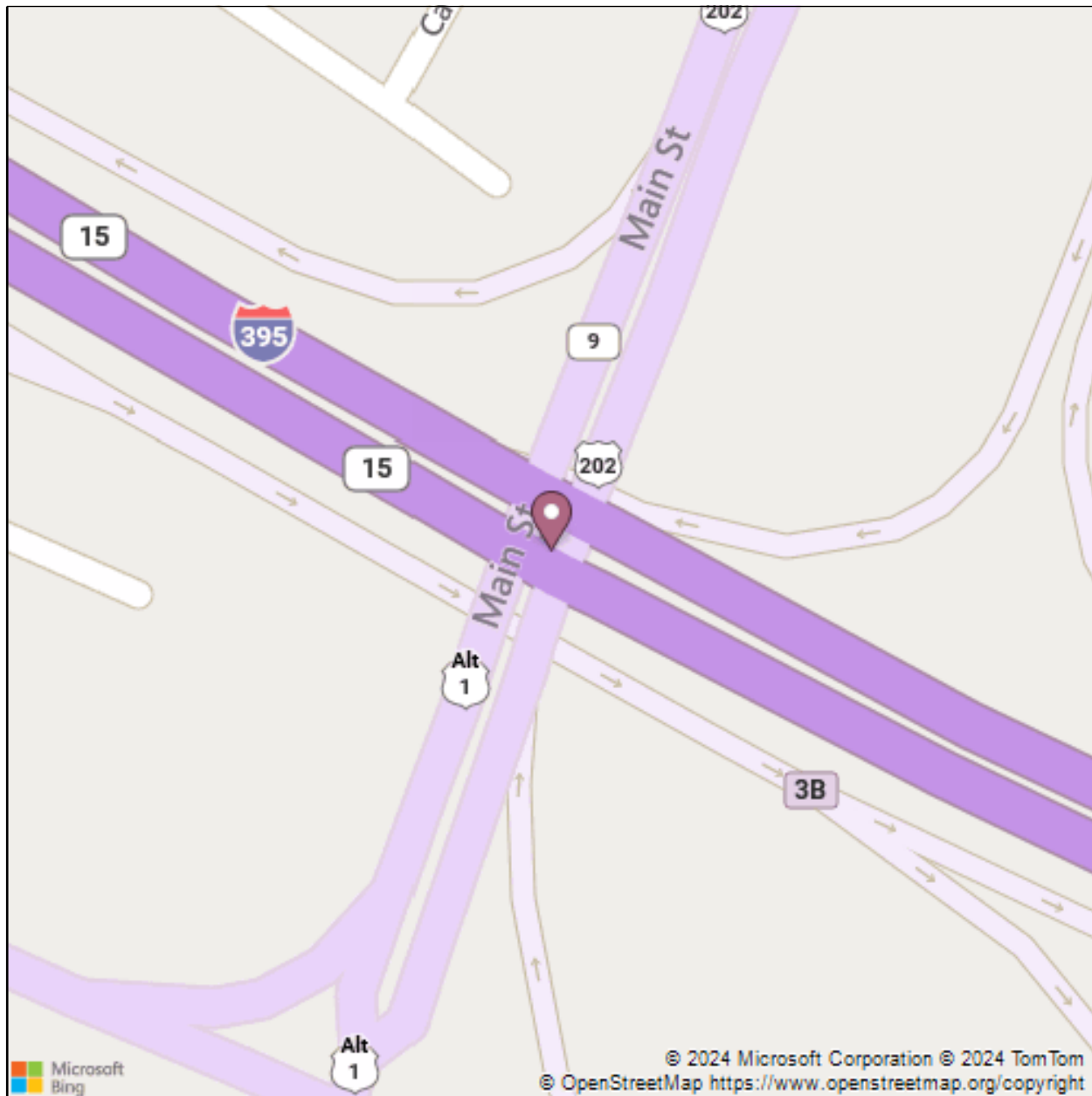
Latitude: 44.78554

Longitude: -68.77957

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Highway Bridge Inspection Report  
National Bridge Inventory

Status: 0 - ND

Bridge Name: I395 / MAIN STREET

Sufficiency Rating: 82.6

Inspections

(90) INSPECTION DATE	& (91) DESIGNATED INSPECTION FREQUENCY	24	10/29/2024
(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	5799
(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	395
(5) INVENTORY ROUTE	0 - NOT APPLICABLE
(2) HIGHWAY AGENCY DISTRICT	04 - Eastern
(3) COUNTY CODE	019 Penobscot
(4) PLACE CODE	02795
(6) FEATURES INTERSECTED	ROUTES US 1A & 9
(7) FACILITY CARRIED	I 395 EB
(9) LOCATION	I395 INTERCHANGE #3
(11) MILEPOINT	1.670
(12) BASE HIGHWAY NETWORK	Inventory Route is on the Base Network
(13) LRS INVENTORY ROUTE, SUBROUTE	
(13A) LRS INVENTORY ROUTE	000000395X
(13B) SUBROUTE NUMBER	00
(16) LATITUDE	44.78554
(17) LONGITUDE	-68.77957
(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	1
(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	0 - None

Age of Service

(27) YEAR BUILT	1986
(106) YEAR RECONSTRUCTED	
(42) TYPE OF SERVICE	
(42A) TYPE OF SERVICE ON BRIDGE	1 - Highway
(42B) TYPE OF SERVICE UNDER BRIDGE	1 - Highway, with or w/out pedestrian
(28) LANES	
(28A) LANES ON THE STRUCTURE	06
(28B) LANES UNDER THE STRUCTURE	06



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(29) AVERAGE DAILY TRAFFIC	13290
(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.)	111.5
(49) STRUCTURE LENGTH (ft.)	117.1
(50) CURB/SIDEWALK WIDTHS	
(50A) LEFT CURB SIDEWALK (ft.)	0.6
(50B) RIGHT CURB SIDEWALK (ft.)	0.6
(51) BRDG RDWY WIDTH CURB-TO-CURB (ft.)	127.4
(52) DECK WIDTH, OUT-TO-OUT (ft.)	141.6
(32) APPROACH ROADWAY WIDTH (ft.)	38.0
(33) BRIDGE MEDIAN	3 - Closed median with non-mountable barriers
(34) SKEW (deg.)	8
(35) STRUCTURE FLARED	0 - No flare
(10) INV RTE, MIN VERT CLEARANCE (ft.)	328.05
(47) TOTAL HORIZONTAL CLEARANCE (ft.)	82.0
(53) VERTICAL CLEARANCE OVER BRIDGE ROADWAY (ft.)	327.76
(54) MIN VERTICAL UNDERCLEARANCE	
(54A) REFERENCE FEATURE	H - Highway beneath structure
(54B) MIN VERTICAL UNDERCAREANCE (ft.)	17.75
(55) MIN LATERAL UNDER CLEARANCE RIGHT	
(55A) REFERENCE FEATURE	H - Highway beneath structure
(55B) MIN LATERAL UNDER CLEARANCE RIGHT (ft.)	27.56
(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	11 - Urban - Principal Arterial - Interstate
(100) STRAHNET HIGHWAY DESIGNATION	Is on an Interstate STRAHNET route
(101) PARALLEL STRUCTURE DESIGNATION	N - No parallel structure
(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	6 - Satisfactory Condition (minor deterioration)
(59) SUPERSTRUCTURE	7 - Good Condition (some minor problems)
(60) SUBSTRUCTURE	5 - Fair Condition (minor section loss)
(61) CHANNEL & CHANNEL PROTECTION	N - Not Applicable
(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	1.49
(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	1.15
(70) BRIDGE POSTING	5 - Equal to or above legal loads
(41) STRUCTURE OPEN/POSTED/CLOSED	A - Open

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### Highway Bridge Inspection Report

#### Appraisal

(67) STRUCTURAL EVALUATION	5
(68) DECK GEOMETRY	9
(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL	7
(71) WATERWAY ADEQUACY	N - Not Applicable
(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	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	18606
(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

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**Highway Bridge Inspection Report**

## **7.1 Component Condition Ratings**

<b>(B.C.05) Bridge Railings</b>	<b>6</b>
<b>(B.C.06) Bridge Railing Transitions</b>	<b>8</b>
<b>(B.C.07) Bridge Bearings</b>	<b>6</b>
<b>(B.C.07) Bridge Joints</b>	<b>6</b>
<b>Bridge Joint Seal</b>	<b>6</b>

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### Highway Bridge Inspection Report

#### Inspection Notes

Structure Number: 5799

Town: Bangor

Structure Name: I395 / MAIN STREET

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#### Structure Notes

1986 Single span, welded steel girders (15 ea) with composite, concrete deck. Bituminous wearing surface. Deck has both mountable and non-mountable medians.

SUBSTRUCTURE WAS TREATED WITH SILANE AS PART OF AN ASR RESEARCH PROJECT.

#### Wearing Surface

Wearing surface in overall satisfactory condition with minor cracking & moderate rutting in wheel path areas.

#### Deck

**NBI Item 58:** 6

Overall satisfactory condition w/some minor deterioration over abutments.

Minor spalls, cracking and corrosion in isolated areas, mostly under center joint of deck and deck overhangs. Concrete patching evident of fascias.

Bridge rail in good condition with minor scrapes.

Snow fence secure but has scattered bent posts.

Bridge sign supports have been damaged and are missing anchor bolts.

Joints appear to be functioning and intact.

#### Superstructure

**NBI Item 59:** 7

Generally in good condition.

Minor paint failure/freckling, mostly bottom flanges.

Webs have chalking paint.

Evidence of some past fluid film on beam ends.

#### Substructure

**NBI Item 60:** 5

Breastwalls generally good condition however, some large vertical cracks and scattered map cracking throughout.

Southeasterly breastwall, s'ly corner appears to have moved away from wingwall and rest of abutment at first construction joint.

Back walls have heavier map cracking with slight efflorescence and water leakage.

Wingwalls have map cracking in general throughout.

Larger cracks at/on tops.

Notable movement of all 4.

NOTE: Original plans do not show any reinforcing connecting the wingwalls to abutments.

#### Culvert

**NBI Item 62:** N



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### Highway Bridge Inspection Report

**Channel**

**NBI Item 61:** N

#### Other

Limited visual inspection of bridge signs. All in good condition except for isolated areas of easterly sign supports that have plow damage and missing anchor bolts. Rated 2 signs in condition state 3 due to 25%-75% of fasteners missing on 3 consecutive supports

#### Special Inspection

#### Monitoring

2008 - MEASURE AND MONITOR WING MOVEMENT - BWF

12/30/2009: Northeast Wingwall - 1/2" out from abutment @ 5' up, 1 5/8" rotation out @ 3' down from top of backwall

12/30/2009: Southeast Wingwall - 7/8" in from abutment @ 5' up (abutment appears to have moved out), 4" rotation out @ 3' down from top of backwall

12/30/2009: Northwest Wingwall - 1 5/16" out from abutment @ 5' up, 4" rotation out @ 3' down from top of backwall

12/30/2009: Southwest Wingwall - No apparent change or offset noted at ground or top of wingwall

11/15/2012: NE Wingwall, same, SE Wingwall, virtually the same, NW Wingwall, 1 1/2" out @ 5' up, 4" @ 3' down from top. Also, wingwall has dropped vertically 2 1/2", SW Wingwall, same

12/18/2013: All ground measurements within 1/8". Top measurements are unchanged. Ladder can only be safely used on two of the three top measurements. The NW wing wall is too close to power lines to use ladder. Recommend new measurements taken next inspection at the tops of the wing walls. Use rope to tie off and another person for safety. (No significant changes to wing movement noted from 2012 inspection)

2014,2016: No changes since last inspection.

2018: All measurements taken. No change except for the NW wall dropped to 3" from 2.5".

2023 No changes.

2024: Appears to be no significant changes to wing movement.

#### Pontis Notes

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### Highway Bridge Inspection Report

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12-Reinforced Concrete Deck</b>	4 - Sev.	16567	sq. ft.	8000	8567	0	0
510-Wearing Surfaces		14906	sq. ft.	10906	4000	0	0
<b>107-Steel Open Girder/Beam</b>	3 - Mod.	1755	ft.	1655	100	0	0
515-Steel Protective Coating		1755	sq. ft.	800	795	150	10
<b>215-Reinforced Concrete Abutment</b>	3 - Mod.	283	ft.	0	283	0	0
<b>302-Compression Joint Seal</b>	4 - Sev.	283	ft.	162	120	1	0
<b>311-Movable Bearing</b>	3 - Mod.	15	each	15	0	0	0
515-Steel Protective Coating		15	sq. ft.	5	5	5	0
<b>313-Fixed Bearing</b>	3 - Mod.	15	each	15	0	0	0
515-Steel Protective Coating		15	sq. ft.	5	5	5	0
<b>331-Reinforced Concrete Bridge Railing</b>	4 - Sev.	117	ft.	100	17	0	0
<b>801-Beam End</b>	3 - Mod.	30	each	26	4	0	0
515-Steel Protective Coating		30	sq. ft.	18	4	4	4
809-Steel Preventative Coating (Fluid Film)		30	sq. ft.	0	0	30	0
<b>811-Signs</b>	3 - Mod.	4	each	2	0	2	0
<b>815-Joint Seal</b>	4 - Sev.	6	each	0	6	0	0
<b>820-Reinforced Concrete Wall</b>	2 - Low	146	ft.	0	146	0	0
<b>841-Asphalt Wearing Surface with Membrane</b>	4 - Sev.	14906	sq. ft.	10906	4000	0	0
<b>871-Aluminum Bridge Railing</b>	4 - Sev.	334	ft.	314	20	0	0

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### Highway Bridge Inspection Report

## Over Limit Report

Bridge #: 5799  
Bridge Name: I395 / MAIN STREET  
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: 07/23/2013

	<u>Left</u>	<u>Center</u>	<u>Right</u>	<u>Posted</u>	<u>Deficient Sign</u>
Main: ROUTES US 1A & 9	17 - 10	18 - 5	19 - 2	<input type="checkbox"/> Main	-
Other:	-	-	-	<input type="checkbox"/> Other	-
Ramps:	-	-	-	<input type="checkbox"/> Ramp	-

##### Roadway - Heading South or West

##### Actual Heights in Feet-Inches

Date Measured: 07/23/2016

	<u>Left</u>	<u>Center</u>	<u>Right</u>	<u>Posted</u>	<u>Deficient Sign</u>
Main: ROUTES US 1A & 9	17 - 11	18 - 1	18 - 3	<input type="checkbox"/> Main	-
Other:	-	-	-	<input type="checkbox"/> Other	-
Ramps:	-	-	-	<input type="checkbox"/> Ramp	-

#### Vertical Clearance - Portal

Roadway: I 395 EB

##### 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: 17 - 8 2037612-BRPT  
Heading South Height: 17 - 9 2037612-BRPT  
Left Ramp Height: -  
Right Ramp Height: -  
Portal North Height: -  
Portal South Height: -  
  
Other Road Height: -

Bridge Width: 127.4 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	1.49	
Permit Load Ratings		axles
		axles



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**Highway Bridge Inspection Report**

axles

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**Structure Number:** 5799  
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## Highway Bridge Inspection Report

### Underwater Dive Inspection Report

**Structure Number:** 5799

**Bridge Name:** I-395 OVER MAIN STREET

**Town 1:** 19020 - Bangor

**Town 2:**

**Division:** Bangor

**DiveID:** 4091

☐ Tidal:

**Location:** I-395 INTERCHNGE #3

**Photos:**

**Tide Information:**

**Dive Entry Location:**

**Scour:**

**Comments/Hazards:**

**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: Engineering Calderwood

Structure Number: 5799

Inspection Date: 10/29/2024

Facility Carried: I 395 EB

## Highway Bridge Inspection Report

### Pictures



PHOTO 1

Description spalled end post top



PHOTO 2

Description top of southeasterly wing - note crack down wing top



Inspector: Engineering Calderwood

Structure Number: 5799

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Facility Carried: I 395 EB

### Highway Bridge Inspection Report

## Pictures



PHOTO 3

Description Easterly joint



PHOTO 4

Description looking westerly on I-395



Inspector: Engineering Calderwood

Structure Number: 5799

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Facility Carried: I 395 EB

## Highway Bridge Inspection Report

### Pictures



PHOTO 5

Description upper portion of southeast wing



PHOTO 6

Description upper portion of northeast wing

Inspector: Engineering Calderwood

Structure Number: 5799

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Facility Carried: I 395 EB

## Highway Bridge Inspection Report

### Pictures



PHOTO 7

Description spalled underside of northeast deck soffit



PHOTO 8

Description general view



Inspector: Engineering Calderwood

Structure Number: 5799

Inspection Date: 10/29/2024

Facility Carried: I 395 EB

## Highway Bridge Inspection Report

### Pictures



PHOTO 9

Description Northeastly beam end - note fascia patching in deck fascia, perhaps some fluid film



PHOTO 10

Description Northeast wing

Inspector: Engineering Calderwood

Structure Number: 5799

Inspection Date: 10/29/2024

Facility Carried: I 395 EB

## Highway Bridge Inspection Report

### Pictures



PHOTO 11

Description Westerly abutment



PHOTO 12

Description Girders, soffit (typ)



Inspector: Engineering Calderwood

Structure Number: 5799

Inspection Date: 10/29/2024

Facility Carried: I 395 EB

### Highway Bridge Inspection Report

## Pictures



PHOTO 13

Description Cracked bridge seat - southeast corner



PHOTO 14

Description Southwest wingwall

Inspector: Engineering Calderwood

Structure Number: 5799

Inspection Date: 10/29/2024

Facility Carried: I 395 EB

### Highway Bridge Inspection Report

## Pictures



PHOTO 15

Description Easterly abutment



PHOTO 16

Description Vertical crack in easterly abutment



Inspector: Engineering Calderwood

Structure Number: 5799

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Facility Carried: I 395 EB

### Highway Bridge Inspection Report

## Pictures



PHOTO 17

Description top of northwesterly abutment seat/wing



PHOTO 18

Description Top of northwesterly wing/parapet

Inspector: Engineering Calderwood

Structure Number: 5799

Inspection Date: 10/29/2024

Facility Carried: I 395 EB

### Highway Bridge Inspection Report

## Pictures



PHOTO 19

Description Looking easterly on I-395



PHOTO 20

Description Westerly joint



Inspector: Engineering Calderwood

Structure Number: 5799

Inspection Date: 10/29/2024

Facility Carried: I 395 EB

### Highway Bridge Inspection Report

## Pictures



PHOTO 21

Description sign base -note torn brackets, missing anchor bolts - 3 in row

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**Highway Bridge Inspection Report**

**Maintenance Work Items**

**Structure Number:** 5799

**Structure Name:** I395 / MAIN STREET

**Town:** 19020

**Owner:** Calderwood,Engineering

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Type	Work Item	Priority	Notes
Preservation	Other		Apply Silane
Safety	Other		Repair/replace damaged sign supports and install new anchor bolts.
Preservation	Coat Beam Ends		
Maintenance	Rehab Substructure		anchor wings to abutments
Maintenance	Cut Brush		
Maintenance	Remove Overfill		

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### Highway Bridge Inspection Report

## MaineDOT NBIS Bridge Safety Inspection JSA

Inspector: Calderwood,Engineering  
Team Lead: Carl Edwards  
Structure Number: 5799  
Structure Name: I395 / MAIN STREET  
Town: Bangor

#### Additional Team Members/Visitors:

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

#### Job being performed:

Routine 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

#### 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

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no water

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:

Controls:

- ☐ 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, user 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:

Inspector: Calderwood,Engineering  
Inspection Date: 10/29/2024

Structure Number: 5799  
Facility Carried: I 395 EB

### Highway Bridge Inspection Report


Safety Equipment Required:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Hard hat | <input type="checkbox"/> Sunscreen             |
| <input checked="" type="checkbox"/> Vest     | <input checked="" type="checkbox"/> First Aid  |
| <input checked="" type="checkbox"/> Glasses  | <input type="checkbox"/> O2                    |
| <input checked="" type="checkbox"/> Gloves   | <input type="checkbox"/> AED                   |
| <input type="checkbox"/> PFD                 | <input type="checkbox"/> Comm Gear             |
| <input type="checkbox"/> Rain Gear           | <input checked="" type="checkbox"/> Cell Phone |
| <input type="checkbox"/> Bug Spray           | <input type="checkbox"/> 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 Carl Edwards

Inspector: Calderwood,Engineering  
Inspection Date: 10/29/2024

Structure Number: 5799  
Facility Carried: I 395 EB

### Highway Bridge Inspection Report

## Bridge Components

Bridge #: 5799  
Bridge Name: I395 / MAIN STREET  
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

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

Inspector: Calderwood,Engineering  
Inspection Date: 10/29/2024

Structure Number: 5799  
Facility Carried: I 395 EB

### Highway Bridge Inspection Report

## Bridge Preservation

Bridge #: 5799  
Bridge Name: I395 / MAIN STREET  
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

##### NBI Deck Information:

Deck Type 1 - Concrete Cast-in-Place  
Deck Protection 0 - None  
Membrane Type 2 - Preformed Fabric

##### Wearing Surface:

Type 6 - Bituminous  
Last Date 2004  
Lifespan (Yrs) 25  
Next Date Est. 2029  
Mill & Fill Date

#### Common Preservation

##### Paint Information:

Type  
Last Date 1986  
Lifespan (Yrs)  
Next Date Est. 2011

##### Anodes:

☐ Installed  
☐ Detached  
☐ Replace

#### Superstructure

##### Beam Ends Paint:

Last Date  
Next Date Est.

##### Bearings Paint:

Last Date  
Next Date Est. 4

##### 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. 1986

##### Washing:

☒ Required  
☐ UBIT

##### Concrete-Linseed

Last Date  
Next Date Est.

☒ Alkali-Silica reactivity

#### Substructure

#### General Notes

Inspector: Calderwood,Engineering  
Inspection Date: 10/29/2024

Structure Number: 5799  
Facility Carried: I 395 EB

## Highway Bridge Inspection Report

### Critical Finding Form

#### Critical Finding History

Bridge #: 5799  
Bridge Name: I395 / MAIN STREET  
Owner: 01 - State Highway Agency  
Co-Owner: N Not applicable  
CF on NSTM Member ?

Date of Discovery

Bridge Operational Status Due to CF(s)

General Cause of CF(s)

Detailed Description of Critical Finding

If "Other" Selected, Please Explain

Immediate Action(s)  
Taken to Address Critical Finding?

#### Conclusion

Is the Critical Finding Resolved ?

Date Resolved

Which NBI general condition rating is affected ?

Detail the response type, resolution, timelines and long term plan for the bridge

Date (or anticipated date) of Permanent Resolution

#### Critical Finding Reference

##### FHWA criteria for reporting Critical Findings

FHWA shall be notified within 24 hours of any critical finding and the activities taken, underway, or planned to resolve or monitor the critical finding. Update FHWA regularly or as requested on the status of each critical finding until it is resolved. Monthly make available the information to provide a written report to FHWA with a summary of the status of the resolutions for each critical finding identified within that month or unresolved from previous months.

##### Maine DOT Critical Finding notification procedure

The following procedures are to be used when a critical inspection finding is reported by the Bridge Inspector, Bridge Maintenance Manager, or other source when the Deck, Superstructure, or Substructure or Culvert having a NBI rating of 2 or less.

1. The Bridge Inspector or Bridge Manager shall report any finding that may be of a critical nature to their immediate supervisor, the Assistant Bridge Maintenance Engineer, and the Bridge Maintenance Engineer.
2. The Assistant Bridge Maintenance Engineer or the Bridge Maintenance Engineer will assess the finding and take the appropriate action.
3. If the action requires restricting or closing the bridge, the following will be notified:

- Director of Maintenance and Operations
- Division Engineer
- Permit Section
- Federal Highway Bridge Engineer

1. If the bridge is not under State jurisdiction, the bridge owner will be notified by the Bridge Inspector, Bridge Maintenance Manager, Assistant Bridge Maintenance Engineer, or the Bridge Maintenance Engineer by telephone or in writing, depending on the urgency.
2. Follow-up on action taken by the bridge owner will be made depending on the seriousness of the findings as determined by the Assistant Bridge Maintenance Engineer or the Bridge Maintenance Engineer.
3. Bridges under State jurisdiction will be restricted and/or repaired through the direction of the Assistant Bridge Maintenance Engineer.
4. Reports of deficiencies (critical or otherwise) from other sources will be handled in the same manner.

Note: A critical finding is a major defect in the superstructure or substructure which, if not repaired immediately, may require the closing or partial closing of a bridge, and could lead to the total collapse of the structure. Repairs should be completed within a few days.