

BRIDGE NO.06296

15350 - CLINTON
WATERSIDE LANE
over
HAMMOCK RIVER

Routine and Special Inspection

10/23/2024

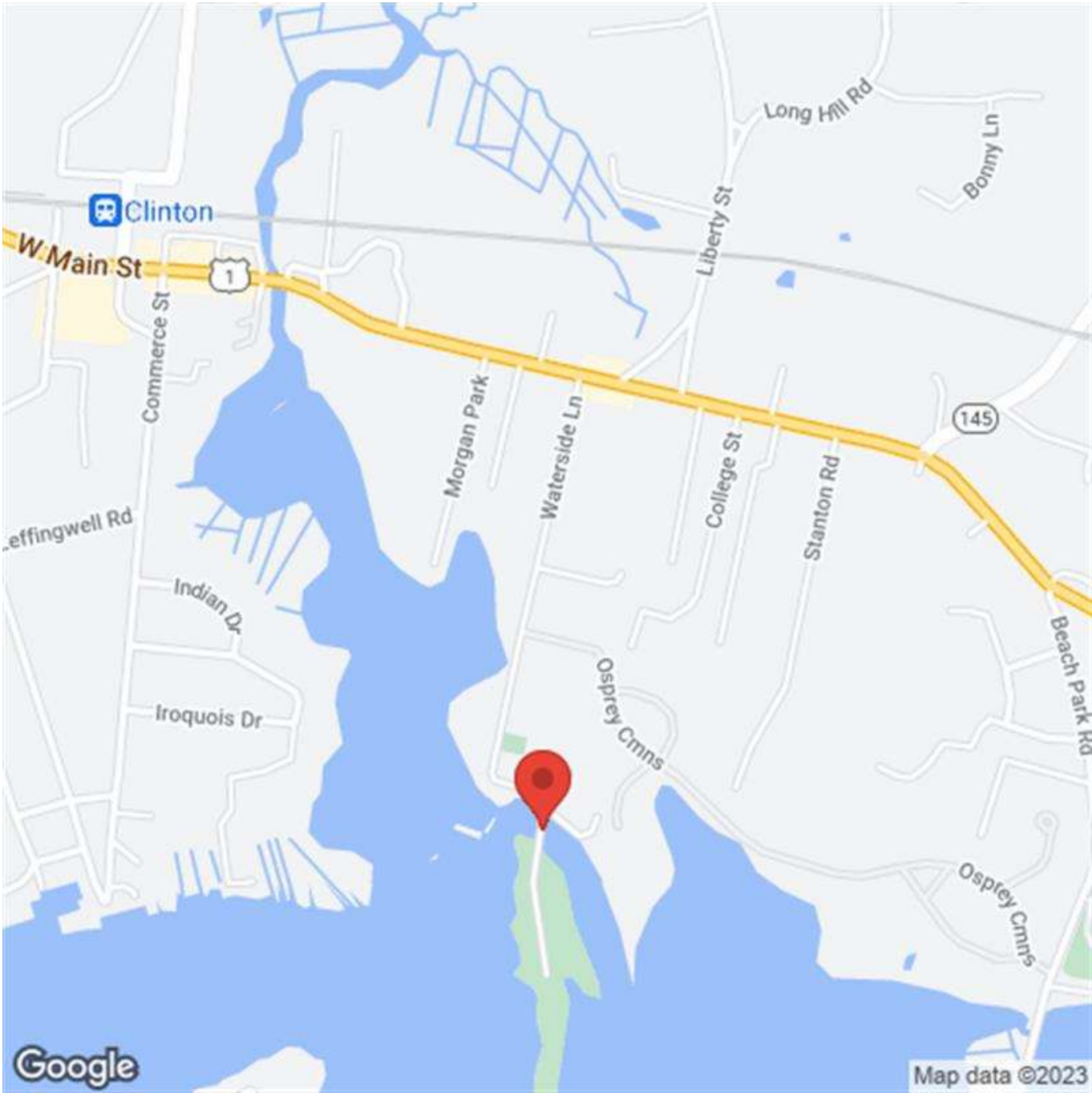
Inspected by: Team 5



Form: Location
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Location Map # 1

Form: BRI-19, Rev. 2/15
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STRUCTURE INVENTORY & APPRAISAL

INSPECTION

Structurally Deficient Functionally Obsolete
Sufficiency Rating
(90) Inspection Date (91) Frequency
Indepth Insp Proposed next Indepth Year
Deck Survey Date Class
Access Flagman

| | Frequency | Date | Type |
|------------|---------------------------------|---|----------------------|
| Fracture | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Underwater | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Special | <input type="text" value="12"/> | <input type="text" value="10/23/2024"/> | <input type="text"/> |

IDENTIFICATION

Bridge Name
Town Code - Name
(5) Inventory Route
(A) Record Type
(B) Signing Prefix
(C) Level of Service
(D) Route Number.
(E) Dir Suffix
(6A) Featured Intersected
(6B) Critical Facility Indicator
(7) Facility Carried
(9) Location
(11) Mile Post Miles
(16) Latitude Deg. Min. Sec.
(17) Longitude Deg. Min. Sec.
(98) Border Bridge
(A) State Code (B) Percent Responsibility %
(C) Border Town Name
(99) Border Bridge Structure No.

STRUCTURE TYPE & MATERIALS

(43) Structure Type, Main
A) Material
B) Design Type
(44) Structure Type, Approach
A) Material
B) Design Type
(45) Number of Spans, Main Unit
(46) Number of Approach Spans
(107) Deck Structure Type
(108) Wearing Surface/Protection Systems
A) Type of Wearing Surface
B) Type of Membrane
C) Type of Deck Protection
Substructure
A) Material
B) Design Type
Paint
Type
Year
Comment

GEOMETRIC DATA

(48) Length of Maximum Span ft.
(49) Structure Length ft.
(50) Curb or Sidewalk Widths
A) Left ft. in. B) Right ft. in.
(51) Bridge Roadway Width Curb to Curb ft. in.
(52) Deck Width, Out to Out ft. in.
(32) Approach Roadway Width ft.

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(33) Bridge Median

Deck Area sq. ft.

(34) Skew Angle deg.

(35) Structure Flared

(10) Inv. Rte. Min. Vert. Clearance ft. in.

(47) Inv. Rte. Total Horiz. Clr. ft. in.

Log Inv. Rte. Total Horiz. Clr. ft. in.

RLog Inv. Rte. Total Horiz. Clr. ft. in.

(53) Min. Vert. Clearance Over Bridge ft. in.

(54) Log-Min. Vert. Underclearance ref. ft. in.

(55) Min. Lat Underclearance on Right ref. ft. in.

(56) Min. Lat Underclearance on Left ft. in.

CONDITION

(58) Deck

(59) Superstructure

(60) Substructure

(61) Channel & Channel Protections

(62) Culverts

(36) Traffic Safety Features

A) Bridge Railings

B) Transitions

C) Approach Guardrail

D) Approach Guardrail Ends

WATERWAY

Drainage Basin Waterway

(38) Navigation Control

(39) Navigation Vertical Clearance ft.

(40) Navigation Horiz. Clr. ft.

(111) Pier/Abutment Navigation

(116) Vert-Lift Brg Nav Min ft. in.

AGE AND SERVICE

Year Built (106) Year Reconstructed

(42) Type of Service

A) On

B) Under

(28) Number of Lanes

A) On B) Under

(29) Average Daily Traffic

Is Above Half ADT?

(109) Percent Truck %

(30) Years of ADT

(19) Bypass, Detour Length Miles

APPRAISALS

(67) Structural Evaluation

(68) Deck Geometry

(69) Underclearances, Vert. & Horiz.

(71) Waterway Adequacy

(72) Approach Roadway Alignment

(113) Scour Critical

COMMENTS

Bridge to be replaced under Project #0027-0218;
FDP=7/29/2026
There are no components that require an In-depth Inspection
Waterside Lane - Inventory Log Direction = North to South
per CT DOT Dec-2021 Town Road List

CLASSIFICATION

(112) NBIS Bridge Length

(104) Highway System

(26) Functional Class

(100) Defense Highway

(101) Parallel Structure

(102) Direction of Traffic

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(103) Temporary Structure
(110) Designated National Network
(20) Toll
(21) Maintain
(22) Owner
Report Class
(37) Historical Significance

POSTED SIGNS

Other Posted Sign 1
Other Posted Sign 2

| | Actual | Recomended | |
|----------------------------------|---------------------------------|---------------------------------|------|
| Posted Load Single Unit Truck | <input type="text" value="28"/> | <input type="text"/> | tons |
| Posted Load Semi-Trailer Truck | <input type="text"/> | <input type="text"/> | tons |
| Posted Load 4 Axle Truck | <input type="text"/> | <input type="text" value="28"/> | tons |
| Posted Load 3S2 Truck | <input type="text"/> | <input type="text"/> | tons |
| All Vehicles | <input type="text"/> | <input type="text"/> | tons |
| Posted Vert. Clearance on Bridge | <input type="text"/> ft. | <input type="text"/> in. | |
| Posted Vert. Underclearance | <input type="text"/> ft. | <input type="text"/> in. | |
| Posted Speed Limit on Bridge | <input type="text" value="15"/> | m.p.h. | |

OTHER FEATURES

Fence Required
Fence Present
Fence Type
Fence Height
Fence Material
Fence Top Type
Barrel Ladders
Stand Pipes
Catwalks
Moveable Inspection System
Haunches Present over Roadway
Utilities

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 Estimate
(114) Future ADT
(115) Year of Future ADT
DOT Bridge Program List No
Project No
Advertised Date

LOAD RATING & POSTING

(31) Design Load
(63) Operating Rating Type
(64) Operating Rating
(65) Inventory Rating Type
(66) Inventory Rating
Evaluation Code
Year of Evaluation
(70) Bridge Posting
(41) Structure Status

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INSPECTOR'S SIGNATURES:

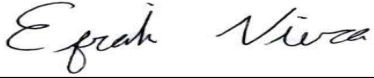
1) _____ Date: 12/09/2024



P.E. SIGNATURE: _____

Date: _____

2) _____ Date: 12/23/2024



P.E. # _____

Reviewed By: _____

Date: 01/14/2025

3) _____ Date: 01/14/2025


Ned T. Statchen


Ned T. Statchen

4) _____ Date: _____

FIELD INSPECTION REPORT

| | | | | | |
|----------------|------------------------|--------------|------|-------------------|--------------------------|
| Location: | 0.3 MI S OF US ROUTE 1 | Year Built: | 1994 | Snooper Required: | <input type="checkbox"/> |
| Main Material: | 7 - Wood or Timber | Year Rebuilt | | Snooper Used: | <input type="checkbox"/> |
| Main Design: | 01 - Slab | | | | |

| | | | |
|--------------------|-----------------|----------------|-----------------------------|
| Inspectors: | | Visits: | |
| Lead Inspector: | James Jones | Visit Date: | Temp: Start Time: End Time: |
| Inspector: | Task: | 10/23/2024 | 66 11:15 AM 01:30 PM |
| Area,05 | BSE - Inspector | | |
| Jones,James | BSE - Inspector | | |
| Statchen,Ned | BSE - TE3 | | |
| Viera,Efrain | BSE - Inspector | | |

58. DECK:

TIMBER PANEL DECK
Bridge Inspection Direction is South to North: Inlet at East; Tidal Flow
Two Simple Spans Longitudinal Panelized Nail-Laminated Timber Deck

Overall Rating: 7

Rating

| | | |
|------------------------|---|--|
| Overlay: | 7 | The wood deck has been overlaid with bituminous concrete. There are two bituminous patches with raveling, and in the center of the bridge there is a full width heaved area with some bituminous cracking 45" x 15". There are a few short transverse and longitudinal hairline cracks in span # 1 There are (2) areas of map cracking 2' x 1' in span # 2. |
| Deck - Str. Condition: | 7 | Nail-Laminated Timber Deck Panels - Underside exhibits: 1 - Panel Each Span} 6 ft - 8 in (wide) x 16 in (thick) by 38 ft - 0 in (length) 1 - Panel Each Span} 6 ft - 4 in (wide) x 16 in (thick) by 38 ft - 0 in (length) Surface checking and partial depth splitting open up to 1/2". Transverse Spreader Beams 6" x 12" Creosote Treated Timber: Checks and splits open to 1/4" x random lengths. Previously mentioned, Span 1: (1) anchor bolt head sheared off at first spreader beam on the left side. See note under Girder underside, item 59-3. Can't not been seen, but there is a gap between spreader beam and soffit of wood deck. Note there are two rods installed at this location. Previously mentioned, Span 2: (2) anchor bolt heads sheared off, (1) on the first spreader beam and (1) on the second spreader beam. Can't be seen but there appears to be no issue when hammer tapped the rods at the underside of spreader beams. |
| Curbs: | 7 | 8" x 8" Timber curbs exhibit: Surface checks open up to 1/2" x random lengths. |
| Median: | N | |
| Sidewalks: | 6 | Pressure Treated Timber Planks exhibit: |

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Surface checking, partial depth splitting and weathering.

Glue Laminate Support Beams exhibit:

Random surface checks and partial depth splits open up to 3/16" random lengths.

The approach sidewalks concrete ramp at the northeast exhibits a 3/16" open longitudinal crack and edge spalling.

Parapet: N

Railing: 6

Timber (bridge) Rails and Posts exhibit:

Vertical posts: 7-1/2" x 7-1/2". Splits typically open up to 3/16" x random lengths.

Horizontal rails (upper): 3-1/2" x 9-3/4". Surface checks open up to 3/16" x random lengths.

Bottom rails (curb): 8" x 8". Random checks open up to 3/16" x random lengths.

Typical weathering of all members.

Southwest end on approach rail: Minor collision damage.

Pedestrian Rails (at sidewalks) - (3) 3" x 8" horizontal Timber rails with a 3" x 9" Timber cap:
Random sections of the timber cap are raised up to 3/4".

Random screws/nails on the cap are backed off up to 1" high.

Previously mentioned, East: (12) railing to post anchor bolts missing and (9) anchor nuts missing. there is only (1) anchor nut missing at the southeast end

West: (1) anchor nut missing from back side. This is the 3rd vertical post from the south end

Timber exhibits minor to moderate checking and partial depth splitting.

Paint: N

Fence: N

Drains: N

Lighting Standard: N

Overall Utility Condition Rating 4 - Poor

Utility Type/Size

2 | Water

Previously mentioned, 2" diameter PVC waterline under the west sidewalk attached to wingwalls. There is water leaking from the 90 degree joint at the north abutment.

Construction Joints: N

Expansion Joint: 6

There are (2) saw cut and sealed joints at pier and (1) each at both abutments. (See Overlay)

Haunches Present over travelway? NO

APPROACH CONDITION:

Overall Rating: 7

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Rating

| | | |
|----------------------|---|---|
| Approach Slab: | N | |
| Relief Joints: | N | |
| Approach Guide Rail: | 7 | Creosote Treated Timber exhibit: Typical weathering throughout. Surface checking open up to 3/16" x random lengths. |
| Approach Pavement: | 7 | Bituminous approach pavement exhibits: There is a 2 Sq.ft patch that is depressed up to 1" deep at the north approach near abutment. Northwest approach void 28" x 12" x 9" - 16" deep. |
| Approach Embankment: | 6 | There was an repaired area of erosion with bituminous at the end of WW 2A with the bituminous starting to break up and and settle up to 2" at edge of roadway. |

Traffic Safety Features

| | | |
|--------------------------|---|--|
| Bridge Railings: | 0 | |
| Transitions: | 0 | |
| Approach Guardrails: | 0 | |
| Approach Guardrail Ends: | 0 | |

59. SUPERSTRUCTURE:

| | |
|--|-------------------|
| Two Simple Spans Longitudinal Panelized Nail-Laminated Timber Deck.. {1 - Panel Each Span} 6 feet 8 inches {Wide} by 1 foot 4 inches {Thickness} by 38 feet 00 inches {Length}.. {1 - Panel Each Span} 6 feet 4 inches {Wide} by 1 foot 4 inches {Thickness} by 38 feet 00 inches {Length}.. | Overall Rating: 6 |
|--|-------------------|

Rating

| | | |
|------------------|---|---|
| Bearing Devices: | 6 | Timber Sleeper Caps (bearing beams) 14" x 16": Creosote treated. Cantilever ends support sidewalks. Surface checking and shakes at the ends open to 1/4" x random lengths. |
| Stringers: | N | |
| Girders: | 6 | Previously mentioned, Nail-Laminated Timber Deck Panels - Topside exhibits: Has been overlaid. Previously mentioned, Span 1: (1) anchor bolt head sheared off at first spreader beam on the left side. See note below. Can't not been seen, but there is a gap between spreader beam and soffit of wood deck. Note there are two rods installed at this location. Previously mentioned, Span 2: (2) anchor bolt heads sheared off, (1) on the first spreader beam and (1) on the second spreader beam. Can't be seen but there appears to be no issue when hammer tapped the rods at the underside of spreader beams. Nail-Laminated Timber Deck Panels - Underside exhibits: Discoloration surface checking and partial depth splitting open up to 1/2". |

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| | | |
|------------------------------------|---|---|
| | | Transverse Spreader Beams 6" x 12" Creosote Treated Timber: Checks and splits open to 1/4" x random lengths. Previously mentioned, Spreader beam # 1 on the west side exhibits non-uniform contact with the deck planking due to the sheared off anchor bolt head on the deck top side. Non uniform contact area is 42" long x 1" high. |
| Floor Beams: | N | |
| Trusses - General: | N | |
| Trusses - Portals: | N | |
| Trusses - Bracing: | N | |
| Paint: | N | |
| Rust: | N | |
| Machinery Movable Span: | N | |
| Rivets & Bolts: | N | |
| Welds - Cracks: | N | |
| Timber Decay: | 8 | |
| Concrete Cracking: | N | |
| Collision Damage: | 8 | |
| Member Alignment: | 7 | Previously mentioned, Minor vertical misalignment between panels (up to 1/4"). As built. can't see top but the soffit of the wood deck has no misalignment. |
| Deflection Under Load: | N | Normal. |
| Vibration Under Load: | N | Normal. |
| Stand Pipes: | N | |
| Catwalks: | N | |
| Movable Inspection System: | N | |
| Barrel Ladders: | N | |
| Are Barrel Ladders OSHA Compliant? | | NA |

60. SUBSTRUCTURE:

The abutments and pier are built on steel pipe piles driven during the 1994 reconstruction. sk 3/23/09
Substructure lowered to 4 (Poor) at 10/23/2023 Special Insp due to deep deterioration at the abutments and pier - NTS

Overall Rating: 4

Rating

| | | |
|-------------------|---|--|
| Abutments - Stem: | 4 | Abutments {reinforced concrete with a stone facade} exhibit: Random voids along the bases up to 16" deep x up to 1 sf. The top 1/3 of stone facing has been re-pointed in the past. North abutment exhibits bulging stones along lower half of abutment. The northeast and northwest corner has many loose stones that can easily be removed by hand. Has voids due to missing stones up to 10' x 20" x 43" deep. The south abutment corners have missing mortar and displaced stones. Voids due to missing stones up to 34" x 12" x 36" deep. Some loose stones that can be removed by hand are found at all substructure locations. |
|-------------------|---|--|

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| | | |
|---------------------------|---|--|
| Abutments - Backwall: | N | |
| Abutments - Footings: | N | Not visible. |
| Abutments - Settlement: | 6 | |
| Abutments - Wingwalls: | 5 | Stone masonry veneer wing walls exhibit: Minor cracking in the mortared joints. Voids up to 1 sf along the base lines, can be probed up to 11" deep. WW 1A and WW 2A lower half have been repointed in the past with the upper half mortar only see between stones, mortar doesn't come out flush with stone faces. WW 1B and WW 2B have been repointed with a few small voids and few hairline cracks in mortar. Note both of these wingwalls have a concrete cap. 2A behind the timber support shows meandering cracks along masonry joints up to 3/16" indicating some settlement of abutment. |
| Piers/Bents - Caps: | 4 | Pier {reinforced concrete} cap exhibits: Isolated hairline cracks. |
| Piers/Bents - Pile Bent: | N | |
| Piers/Bents - Columns: | 4 | Pier {reinforced concrete} with a stone facade exhibits: Northeast corner has large void due to missing stone 6' x 42" x 3' deep. Many stones can be removed by hand along various locations of pier. South face of the pier has 40" x 8" x 24" deep voided area and missing stones at the east end. The northwest corner has a FH x 7/16" open vertical crack which goes through one stone and follows the joint. The north and south sides have an area where the mortar was repointed approximately 1' down from concrete cap and for approximately 2' high with the rest of the faces missing numerous areas of mortar. South side of the pier has a void 30" high x 8" wide x 16" deep. |
| Piers/Bents - Footings: | N | Not visible. |
| Piers/Bents - Settlement: | 6 | See comment under "pier columns". |
| Erosion - Scour: | 6 | See above. |
| Concrete Crack - Spall: | 7 | See above. |
| Steel Corrosion: | N | |
| Paint: | N | |
| Timber Decay: | N | |
| Collision Damage: | 8 | |
| Debris: | 8 | |

61. CHANNEL AND CHANNEL PROTECTION:

HAMMOCK RIVER; Tidal, inspect at low tide

Overall Rating: 7

Rating

Channel - Scour: 7 Tidal. Inspect at dead low tide for access to the pier.

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| | | |
|-------------------------|---|---|
| | | Channel appears stable. Channel under structure is comprised of stones and heavy deposits of oyster shells. |
| | | Span 2 at mid- span during low tide is over the chest waders 5ft. plus. |
| Embankment - Erosion: | 7 | Minor undercutting. |
| Debris: | 8 | |
| Vegetation: | 8 | |
| Channel Change: | 7 | See Embankment Erosion. |
| Fender - System: | N | |
| Spur Dikes and Jetties: | N | |
| Rip Rap: | 8 | |

62. CULVERTS AND RETAINING WALLS:

Overall Rating: N

Rating

| | | |
|------------------------|---|--|
| Barrel: | N | |
| Concrete: | N | |
| Steel: | N | |
| Timber: | N | |
| Headwall: | N | |
| Cutoff Wall: | N | |
| Debris: | N | |
| Retaining Wall System: | N | |
| Footing: | N | |

LOAD POSTING:

Rating

| | | |
|----------------------|-----------------|--|
| Single Unit (Tons): | 28 | Posted at North approach only (dead end road). . |
| Semi Trailer (Tons): | | |
| 4 Axle (Tons): | | |
| 3S2 (Tons): | | |
| All Vehcles: | | |
| Advanced Warning: | None | |
| Warning At Bridge: | Some Approaches | |
| Legibility: | Adequate | |
| Visibility: | Adequate | |

VERTICAL CLEARANCE POSTING

| | | | | | |
|--------------------------------|-------|----|--|----|--|
| Min. Vert Under Clearance: | | Ft | | In | |
| Posted Clearance Under Bridge: | | Ft | | In | |
| Posted Clearance On Bridge: | | Ft | | In | |
| Advanced Warning: | False | | | | |
| Warning At Bridge: | | | | | |
| Legibility: | | | | | |
| Visibility: | | | | | |

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NOTES / COMMENTS:

Character of Traffic: Light volume with mixed weights.

Additional Notes:

No bridge Number found
Bridge inspection Direction is south to north. Inspect at the lowest tide.

Bridge Inspected with Chest Waders

Additional Comments:

Bridge to be replaced under Project #0027-0218; FDP=7/29/2026

Maintenance Recommendations:
Replace and Repair the loose, displaced and missing stones in the substructure.

National Bridge Elements
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| | Environment | Total Quantity | Units | Condition State 1 | Condition State 2 | Condition State 3 | Condition State 4 |
|--|-------------|----------------|---------|-------------------|-------------------|-------------------|-------------------|
| 31 - Timber Deck | Mod. | 1689 | sq. ft. | 1634 | 30 | 25 | 0 |
| 1150 - Check/Shake | | 55 | | 0 | 30 | 25 | 0 |
| The top of deck has been overlaid with Bituminous Concrete. | | | | | | | |
| 510 - Wearing Surfaces | | 948 | sq. ft. | 932 | 16 | 0 | 0 |
| 3230 - Effectiveness (Wearing Surface) | | 16 | | 0 | 16 | 0 | 0 |
| 156 - Timber Floor Beam | Mod. | 80 | ft. | 68 | 12 | 0 | 0 |
| Element 156 "Floor Beams" used to cover spreader beams and baring beams {six beams total} | | | | | | | |
| Defect 1020: a +/- 4' length of spreader beam in span 1 is not in contact with the deck plank due to a missing /sheared off thru bolt. | | | | | | | |
| 1150 - Check/Shake | | 12 | | 0 | 12 | 0 | 0 |
| 213 - Masonry Pier Wall | Mod. | 15 | ft. | 0 | 2 | 13 | 0 |
| Note: The masonry is a stone facade covering a concrete pier. | | | | | | | |
| 1610 - Mortar Breakdown (Masonry) | | 2 | | 0 | 2 | 0 | 0 |
| 1620 - Split/Spall (Masonry) | | 1 | | 0 | 0 | 1 | 0 |
| 1640 - Masonry Displacement | | 12 | | 0 | 0 | 12 | 0 |
| 217 - Masonry Abutment | Mod. | 30 | ft. | 0 | 18 | 12 | 0 |
| The masonry is a stone facade covering concrete abutments. | | | | | | | |
| 1610 - Mortar Breakdown (Masonry) | | 5 | | 0 | 5 | 0 | 0 |
| 1640 - Masonry Displacement | | 25 | | 0 | 13 | 12 | 0 |
| 234 - Reinforced Concrete Pier Cap | Mod. | 15 | ft. | 15 | 0 | 0 | 0 |
| Isolated hairline cracks are <0.012" open and considered insignificant. | | | | | | | |
| 1130 - Cracking (RC and Other) | | 0 | | 0 | 0 | 0 | 0 |
| 332 - Timber Bridge Railing | Mod. | 160 | ft. | 30 | 130 | 0 | 0 |
| 1150 - Check/Shake | | 130 | | 0 | 130 | 0 | 0 |

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SPECIAL INSPECTION

| Inspectors: | | Visits: | | | |
|-----------------|-----------------|-------------|-------|-------------|-----------|
| Lead Inspector: | James Jones | Visit Date: | Temp: | Start Time: | End Time: |
| Inspector: | Task: | 10/23/2024 | 66 | 11:15 AM | 01:30 PM |
| Area,05 | BSE - Inspector | | | | |
| Jones,James | BSE - Inspector | | | | |
| Statchen,Ned | BSE - TE3 | | | | |
| Viera,Efrain | BSE - Inspector | | | | |

Special Inspection Type:

Inspection Description: Substructure (reinforced concrete with stone facade)
Monitor voids at both abutments and pier.

Feature Inspected: Substructure deficiencies, at both abutments and pier.

Inspection Results: Abutment # 1
Missing stones at southwest corner 24" x 12" x 36" deep.
Missing mortar.
Mortar cracking

Pier south fascia
Voided area 40" x 8" x 24" deep at west end of pier.
Missing stone at east end.
Full width missing stones and mortar at high tide mark up to 24 inches deep.

Pier north fascia
Large area of missing stones at east end 6'x 42" x 3' deep. A portion of the area isn't being supported due to voided area.
Monitoring points are spray painted for future measurements.
Concrete abutment exposed with severe punky concrete.
Settlement cracking.

Abutment # 2
Large voided area10' x 20" x43" deep.
Missing and loose stones.
Monitoring points are spray painted for future measurements.
Concrete abutment exposed behind stone facade with punky concrete abutment

Action To Be Taken: Continue to monitor every 12 months. - NTS

Town was notified by email from BSE Ned Statchen with photos on 11/8/2023 and a follow-up phone call. - NTS

Sketches

Inspection type: Routine,Special

Inspection Date: 10/23/2024

Inspected by: Team 5

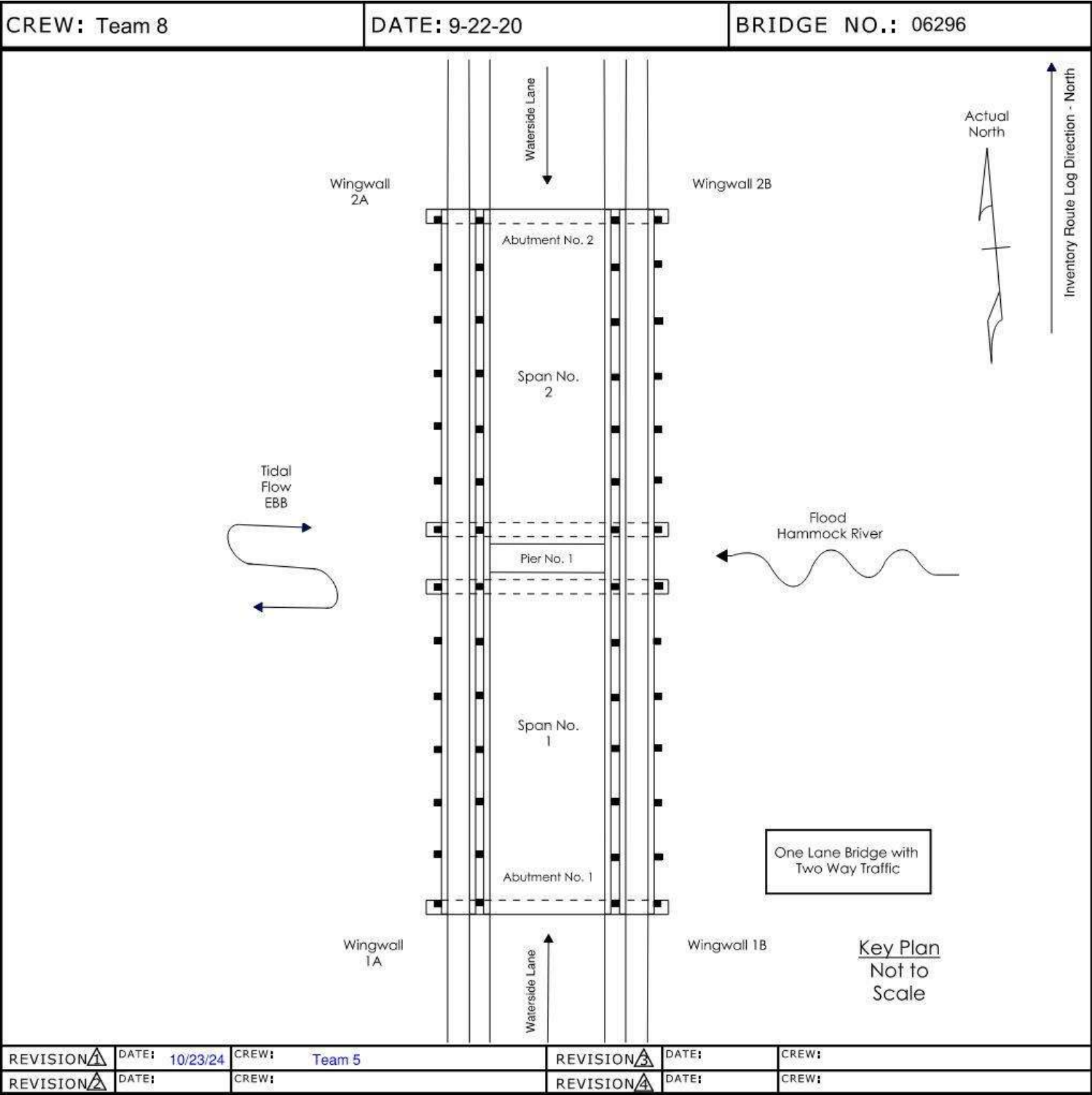
:Bridge No 06296

Town: CLINTON

Carried: WATERSIDE LANE

Crossed: HAMMOCK RIVER

Inventory Route: Non-NHS

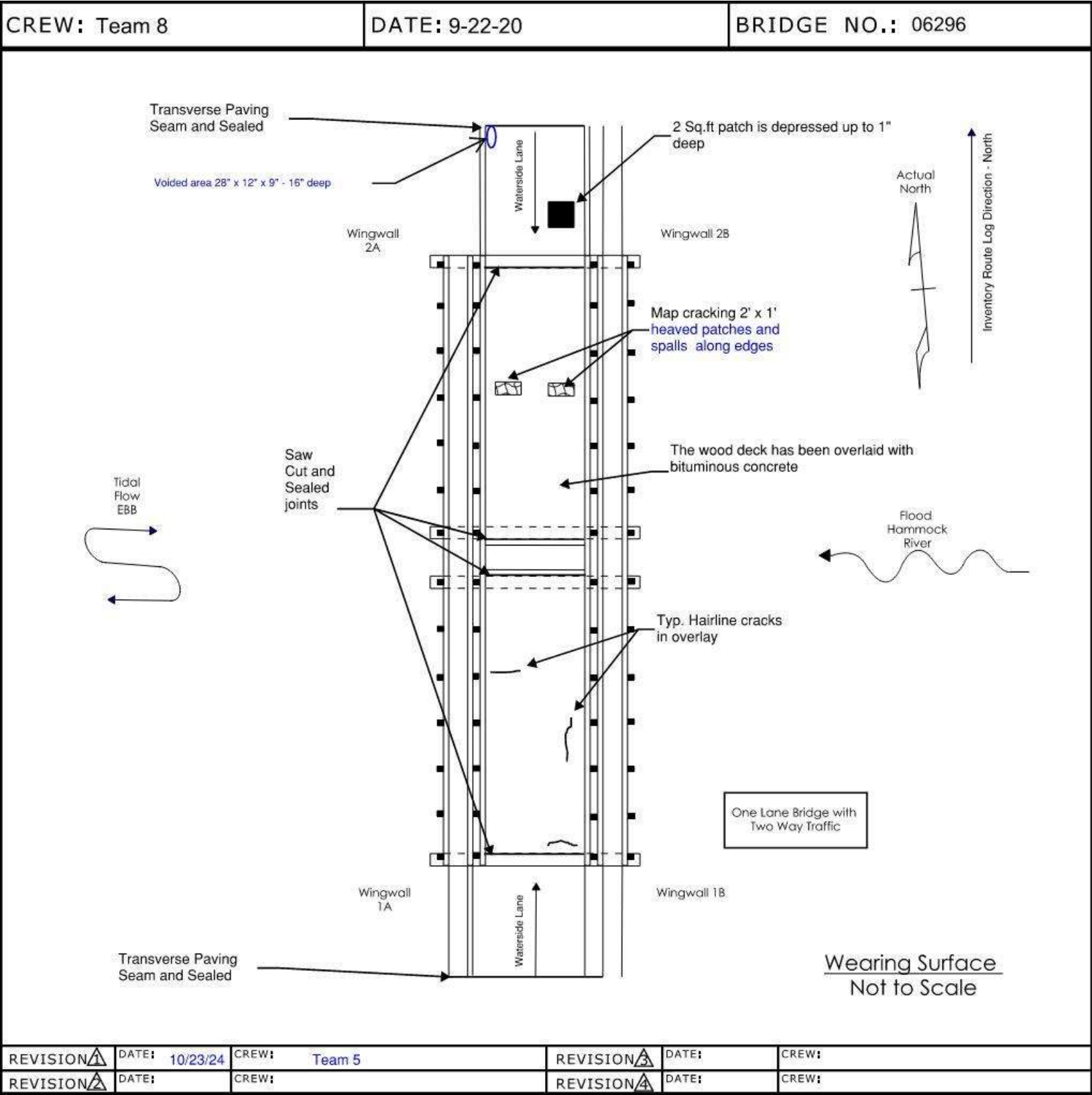






Sketches

Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



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|--|----------------|--------------|---|-------|-------|
| REVISION  | DATE: 10/23/24 | CREW: Team 5 | REVISION  | DATE: | CREW: |
| REVISION  | DATE: | CREW: | REVISION  | DATE: | CREW: |

Sketches

Inspection type: Routine,Special

Inspection Date: 10/23/2024

Inspected by: Team 5

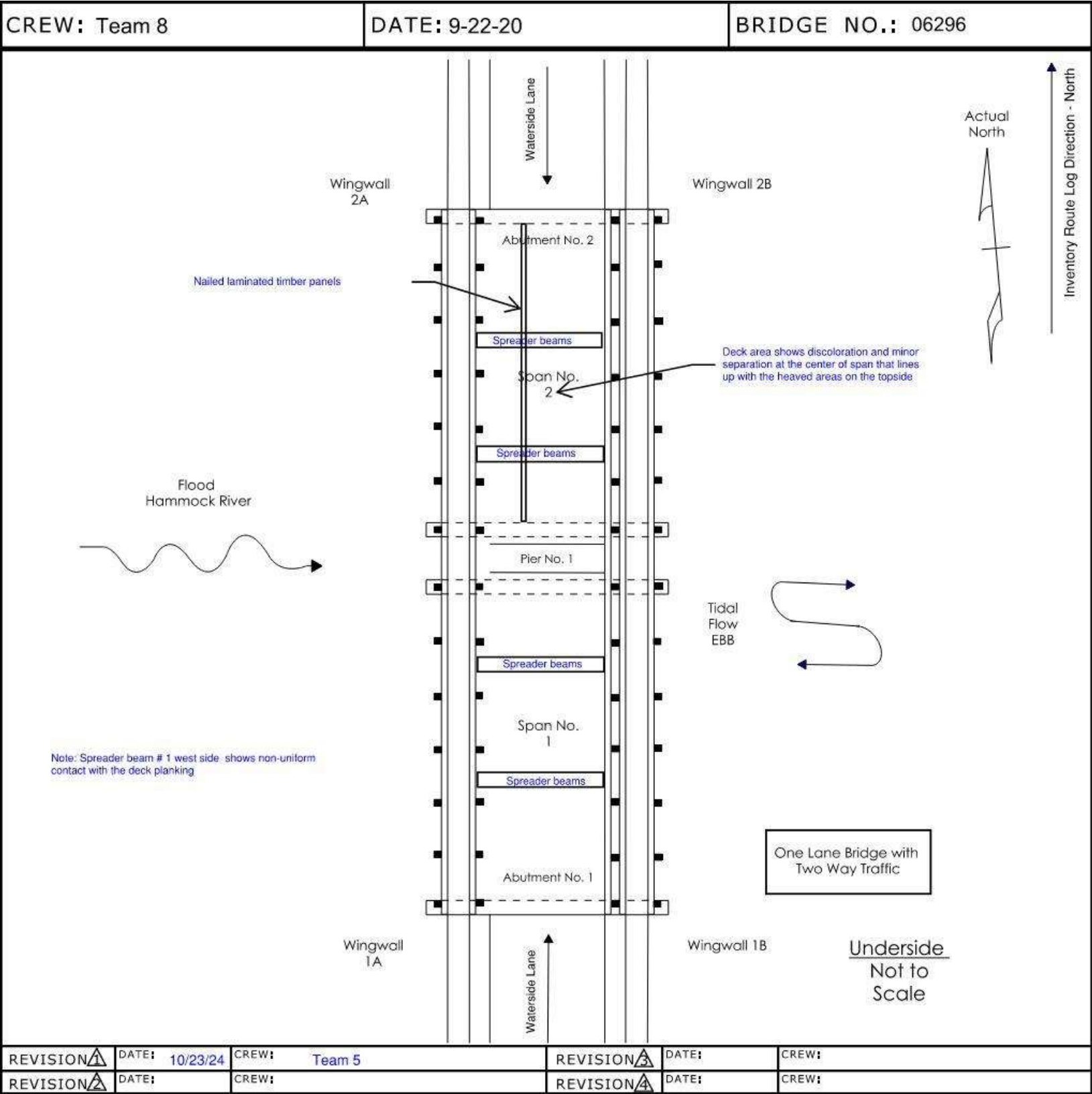
:Bridge No 06296

Town: CLINTON

Carried: WATERSIDE LANE

Crossed: HAMMOCK RIVER

Inventory Route: Non-NHS



Sketches

Inspection type: Routine,Special

Inspection Date: 10/23/2024

Inspected by: Team 5

:Bridge No 06296

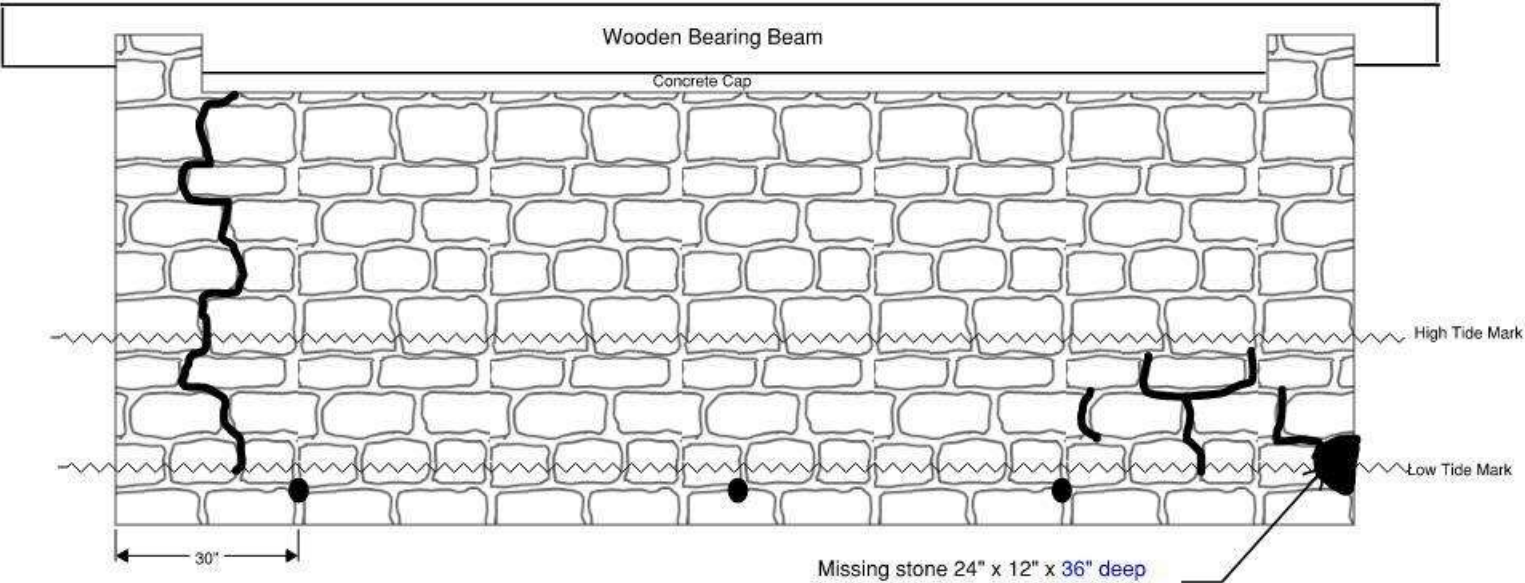
Town: CLINTON

Carried: WATERSIDE LANE

Crossed: HAMMOCK RIVER

Inventory Route: Non-NHS

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| CREW: Team 5 | DATE: 11/1/23 | BRIDGE NO.:06296 |
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General notes: Numerous areas of missing mortar and stones , cracking in joint areas, displacement of stones, bulging areas

ABUTMENT # 1(N.T.S)

- LEGEND:
- HOLLOW AREA
 - SHALLOW REBAR
 - SPALL AREA
 - SPALL AREA WITH EXPOSED REBAR
 - MAPCRACKS
 - HAIRLINE CRACKS
 - HONEYCOMB AREA
 - SCALE AREA
 - EFFLORESCENCE PRESENT

| | | | | | |
|----------|----------------|--------------|----------|-------|-------|
| REVISION | DATE: 10/23/24 | CREW: Team 5 | REVISION | DATE: | CREW: |
| REVISION | DATE: | CREW: | REVISION | DATE: | CREW: |

Sketches

Inspection type: Routine,Special

Inspection Date: 10/23/2024

Inspected by: Team 5

:Bridge No 06296

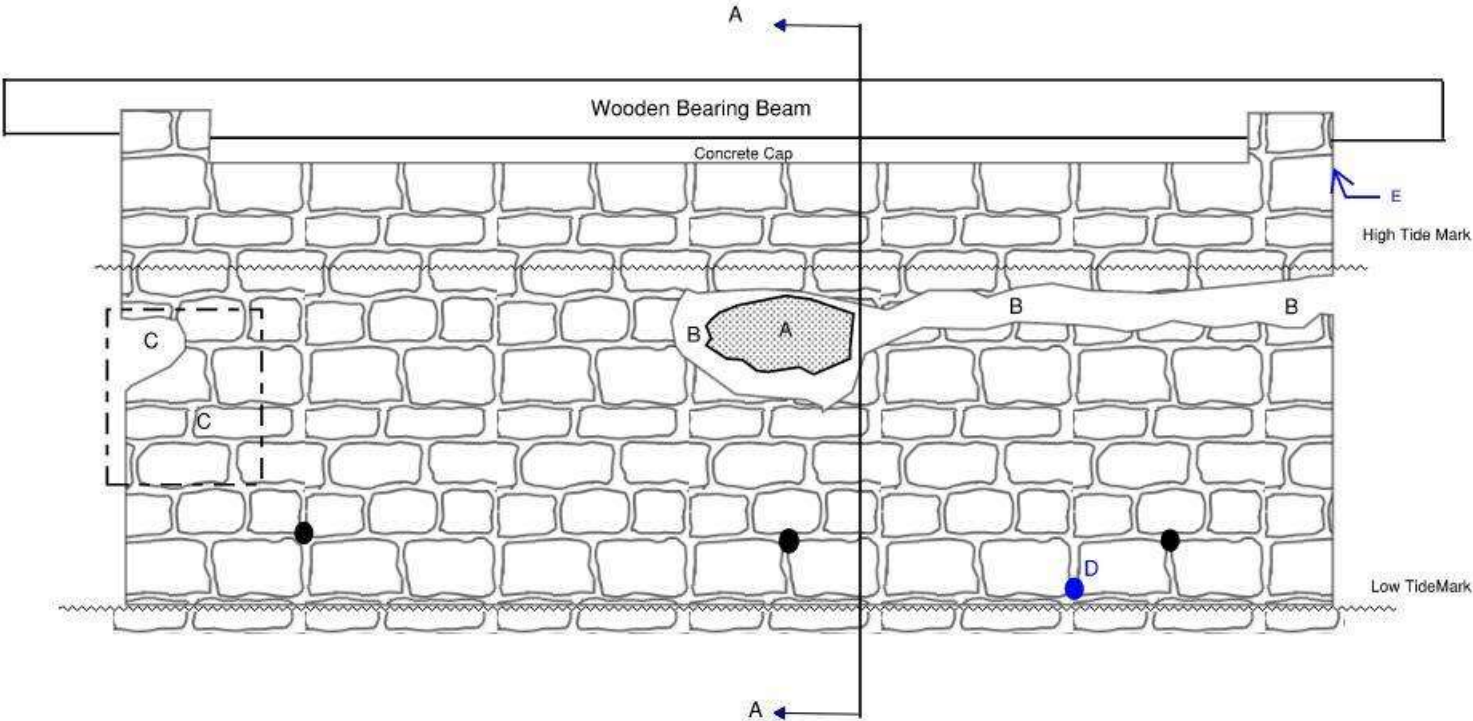
Town: CLINTON

Carried: WATERSIDE LANE

Crossed: HAMMOCK RIVER

Inventory Route: Non-NHS

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|--------------|---------------|-------------------|
| CREW: Team 5 | DATE: 11/1/23 | BRIDGE NO.: 06296 |
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- A. Remains of concrete abutment with heavy scale and punky concrete
- B. Large area of missing stones approximately 10' x 20' x 43" deep. This area continues around into the northeast wingwall approximately 30' x 16". The top coarse of stones in the voided area B is suspended and the lower coarse are loss and moveable.
- C. Area of missing, and displaced stones and voided area under concrete abutment
- D. Voided area 18" x 12" x 24" deep
- E. Northeast wingwall beyond timber support shows meandering cracks along mortar joints up to 2/16" indicating some small settlement of abutment movement to the other side.

- LEGEND:
- HOLLOW AREA
 - SHALLOW REBAR
 - SPALL AREA
 - SPALL AREA WITH EXPOSED REBAR
 - MAPCRACKS
 - HAIRLINE CRACKS
 - HONEYCOMB AREA
 - SCALE AREA
 - EFFLORESCENCE PRESENT

ABUTMENT # 2 (N.T.S)

| | | | | | |
|----------|----------------|--------------|----------|-------|-------|
| REVISION | DATE: 10/23/24 | CREW: Team 5 | REVISION | DATE: | CREW: |
| REVISION | DATE: | CREW: | REVISION | DATE: | CREW: |

Sketches

Inspection type: Routine,Special

Inspection Date: 10/23/2024

Inspected by: Team 5

:Bridge No 06296

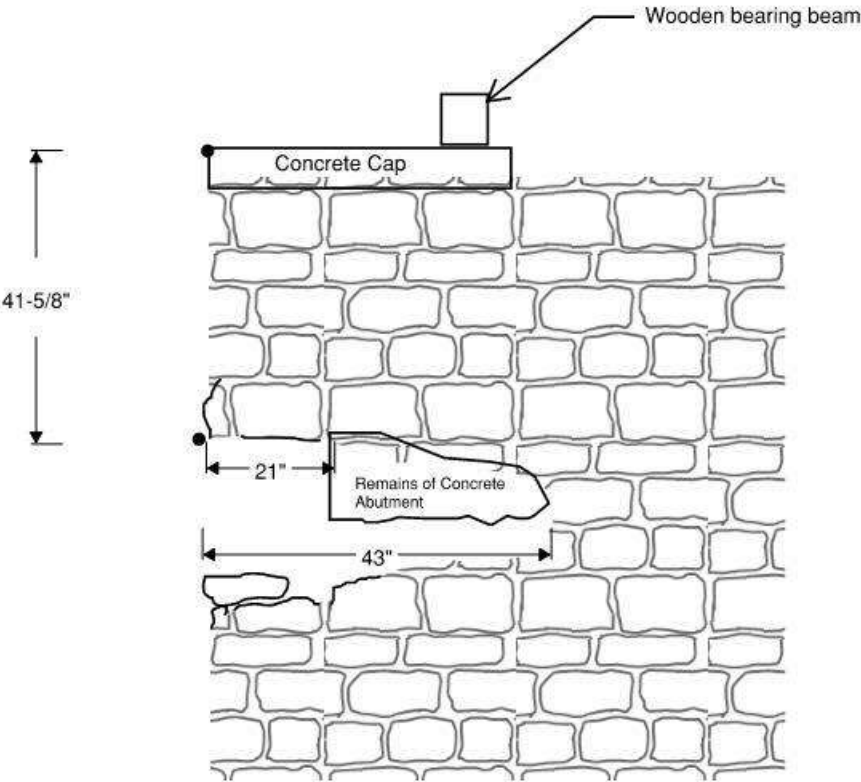
Town: CLINTON

Carried: WATERSIDE LANE

Crossed: HAMMOCK RIVER

Inventory Route: Non-NHS

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| CREW: Team 5 | DATE: 11/1/23 | BRIDGE NO.: 06296 |
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Abutment # 2 & Northeast Wingwall
Section A-A

- LEGEND:
- HOLLOW AREA
 - SHALLOW REBAR
 - SPALL AREA
 - SPALL AREA WITH EXPOSED REBAR
 - MAPCRACKS
 - HAIRLINE CRACKS
 - HONEYCOMB AREA
 - SCALE AREA
 - EFFLORESCENCE PRESENT

| | | | | | |
|----------|----------------|--------------|----------|-------|-------|
| REVISION | DATE: 10/23/24 | CREW: Team 5 | REVISION | DATE: | CREW: |
| REVISION | DATE: | CREW: | REVISION | DATE: | CREW: |

Sketches

Inspection type: Routine,Special

Inspection Date: 10/23/2024

Inspected by: Team 5

:Bridge No 06296

Town: CLINTON

Carried: WATERSIDE LANE

Crossed: HAMMOCK RIVER

Inventory Route: Non-NHS

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| CREW: Team 5 | | DATE: 11/1/23 | | BRIDGE NO.:06296 | |
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Voided area 40" x 8" x 24" deep

Missing stone

Wooden Bearing Beam

Concrete Cap

High Tide Mark

Low Tide Mark

General notes: Numerous areas of missing mortar and stones , cracking in joint areas, displacement of stones, bulging areas

PIER SOUTHFACE (N.T.S)

LEGEND:

- HOLLOW AREA
- SHALLOW REBAR
- SPALL AREA
- SPALL AREA WITH EXPOSED REBAR
- MAPCRACKS
- HAIRLINE CRACKS
- HONEYCOMB AREA
- SCALE AREA
- EFFLORESCENCE PRESENT

| | | | | | |
|----------|----------------|--------------|----------|-------|-------|
| REVISION | DATE: 10/23/24 | CREW: Team 5 | REVISION | DATE: | CREW: |
| REVISION | DATE: | CREW: | REVISION | DATE: | CREW: |

Sketches

Inspection type: Routine,Special

Inspection Date: 10/23/2024

Inspected by: Team 5

:Bridge No 06296

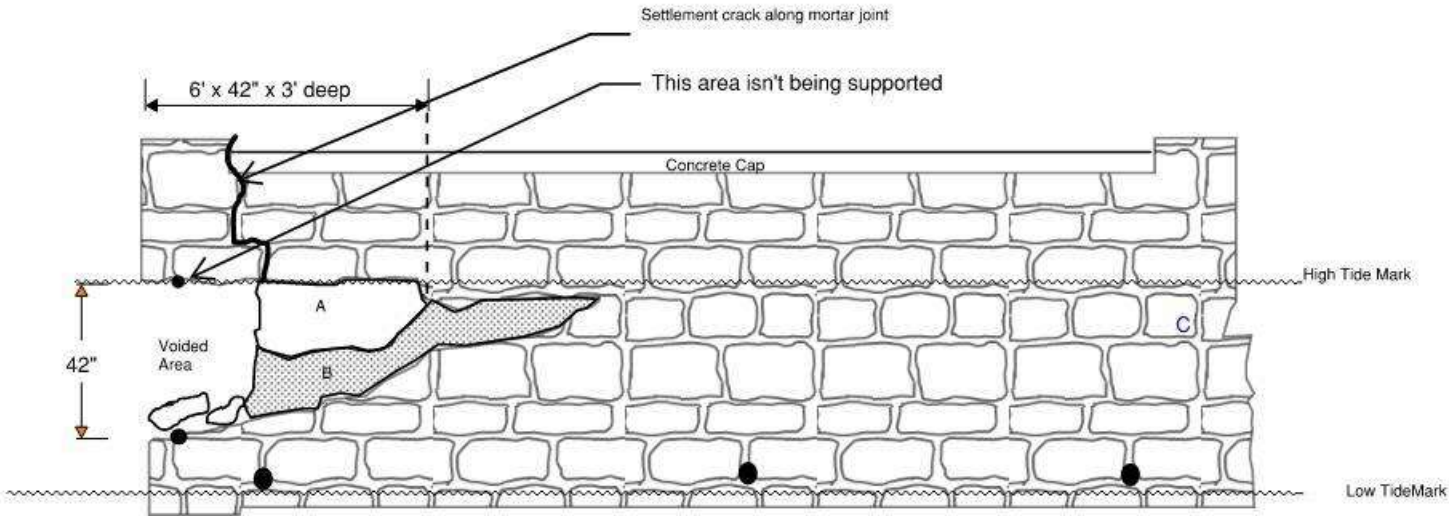
Town: CLINTON

Carried: WATERSIDE LANE

Crossed: HAMMOCK RIVER

Inventory Route: Non-NHS

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|--------------|---------------|-------------------|
| CREW: Team 5 | DATE: 11/1/23 | BRIDGE NO.: 06296 |
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- A. Exposed concrete abutment behind stones facade exhibits sever punky concrete
- B. Severe scale and punky concrete on face of the abutment with displaced stones
- C. Voided area 1' x 8" x 18' deep

General notes: Numerous areas of missing mortar and stones , cracking in joint areas, displacement of stones, bulging areas

Monitoring points

PIER NORTHFACE (N.T.S)

- LEGEND:
- HOLLOW AREA
 - SHALLOW REBAR
 - SPALL AREA
 - SPALL AREA WITH EXPOSED REBAR
 - MAPCRACKS
 - HAIRLINE CRACKS
 - HONEYCOMB AREA
 - SCALE AREA
 - EFFLORESCENCE PRESENT

| | | | | | |
|----------|----------------|--------------|----------|-------|-------|
| REVISION | DATE: 10/23/24 | CREW: Team 5 | REVISION | DATE: | CREW: |
| REVISION | DATE: | CREW: | REVISION | DATE: | CREW: |

Sketches

Inspection type: Routine,Special

Inspection Date: 10/23/2024

Inspected by: Team 5

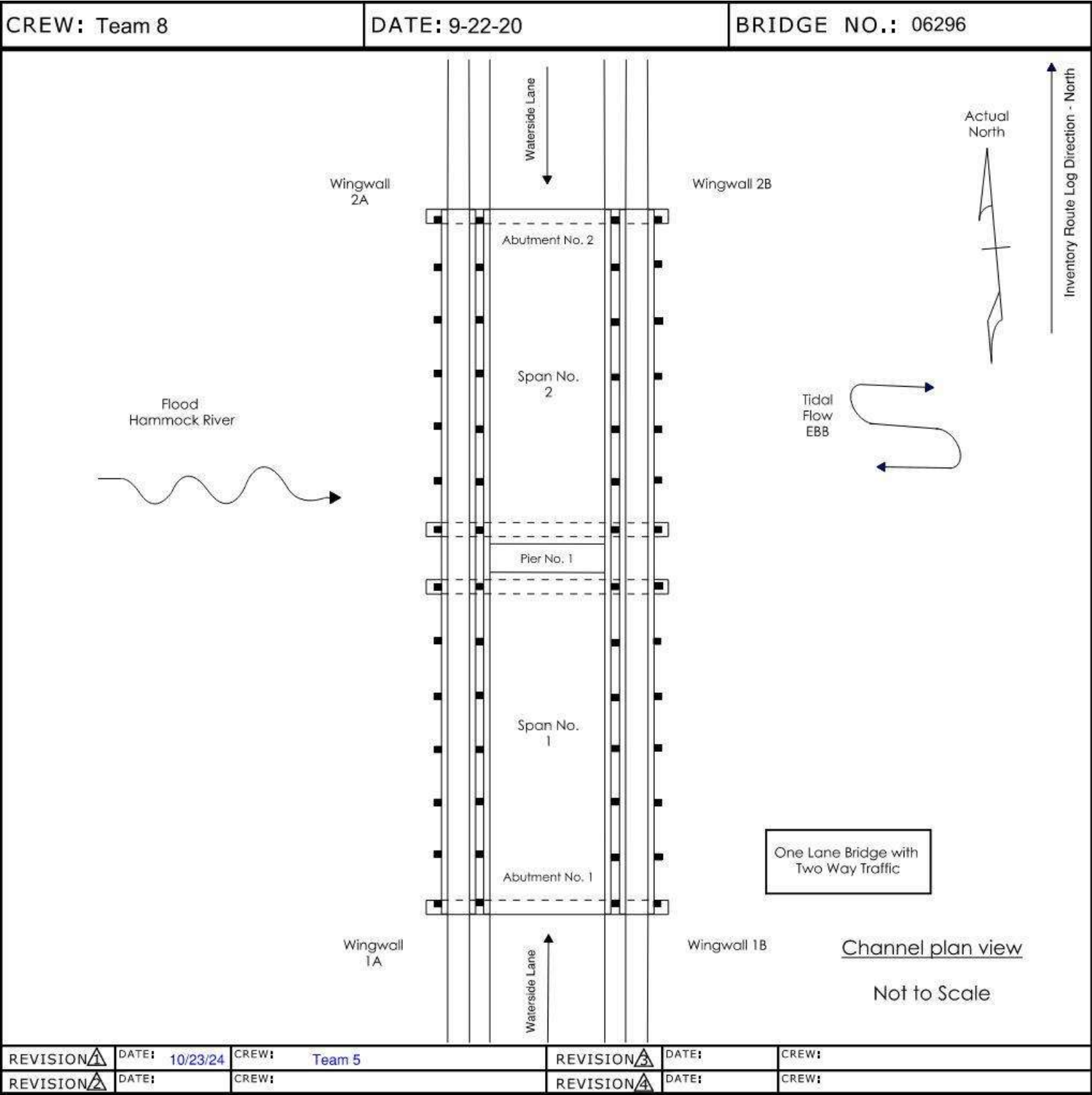
:Bridge No 06296

Town: CLINTON

Carried: WATERSIDE LANE

Crossed: HAMMOCK RIVER

Inventory Route: Non-NHS



Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Photo Number: 1

Photo Taken: 10/23/2024

East elevation



Photo Number: 2

Photo Taken: 10/23/2024

West elevation

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Photo Number: 3

Photo Taken: 10/23/2024

Looking north



Photo Number: 4

Photo Taken: 10/23/2024

Looking south

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Photo Number: 5

Photo Taken: 10/23/2024

Multiple heaved up areas (overlay)



Photo Number: 6

Photo Taken: 10/23/2024

Kerf cut joint over abutment 1

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Photo Number: 7

Photo Taken: 10/23/2024

View of timber sidewalk (typical)



Photo Number: 8

Photo Taken: 10/23/2024

Erosion area at northeast corner

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Photo Number: 9

Photo Taken: 10/23/2024

Same as previous location (closeup)



Photo Number: 10

Photo Taken: 10/23/2024

General underside (span 2)

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Photo Number: 11

General underside (span 1)

Photo Taken: 10/23/2024



Photo Number: 12

Discoloration and beam separation at midspan of span 2

Photo Taken: 10/23/2024

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Photo Number: 13

Photo Taken: 10/23/2024

Transverse spreader beam over abutment 2 split on the west end



Photo Number: 14

Photo Taken: 10/23/2024

Abutment 1

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Photo Number: 15

Abutment 2

Photo Taken: 10/23/2024



Photo Number: 16

Abutment 2 cap at transverse spreader beam (typical)

Photo Taken: 10/23/2024

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Photo Number: 17

Photo Taken: 10/23/2024

Abutment 2 void



Photo Number: 18

Photo Taken: 10/23/2024

Abutment 2 corner void at west end

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Photo Number: 19

Photo Taken: 10/23/2024

Multiple void areas in abutment 1 (on both sides)



Photo Number: 20

Photo Taken: 10/23/2024

South side of pier

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Photo Number: 21

North side of pier

Photo Taken: 10/23/2024



Photo Number: 22

Large void in pier on northeast corner of the pier

Photo Taken: 10/23/2024

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Photo Number: 23

Photo Taken: 10/23/2024

Same as previous location



Photo Number: 24

Photo Taken: 10/23/2024

Same as previous location

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Photo Number: 25

Photo Taken: 10/23/2024

Wingwall 2A (northwest)



Photo Number: 26

Photo Taken: 10/23/2024

Settlement crack at wingwall 2B (northeast) meandering.

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Photo Number: 27

Photo Taken: 10/23/2024

Same as previous location



Photo Number: 28

Photo Taken: 10/23/2024

Looking towards long island sound (downstream - ebb side)

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 10/23/2024
Inspected by: Team 5

:Bridge No 06296

Town: CLINTON
Carried: WATERSIDE LANE
Crossed: HAMMOCK RIVER
Inventory Route: Non-NHS



Photo Number: 29

Upstream

Photo Taken: 10/23/2024

Affected Area : Create Report Section.
Section Name : Table of Contents
Section Type : TOC
Detailed Message : This application will be terminated because it was
built without a license for SectionReport.