

BRIDGE NO.06841

15910 - COLCHESTER
ROUTE 2
over
BROOK

Routine and Special Inspection

2/06/2019

Inspected by: Team 5



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Form: Location

Inspection type: Routine, Special

Inspection Date: 2/06/2019

Inspected by: Team 5

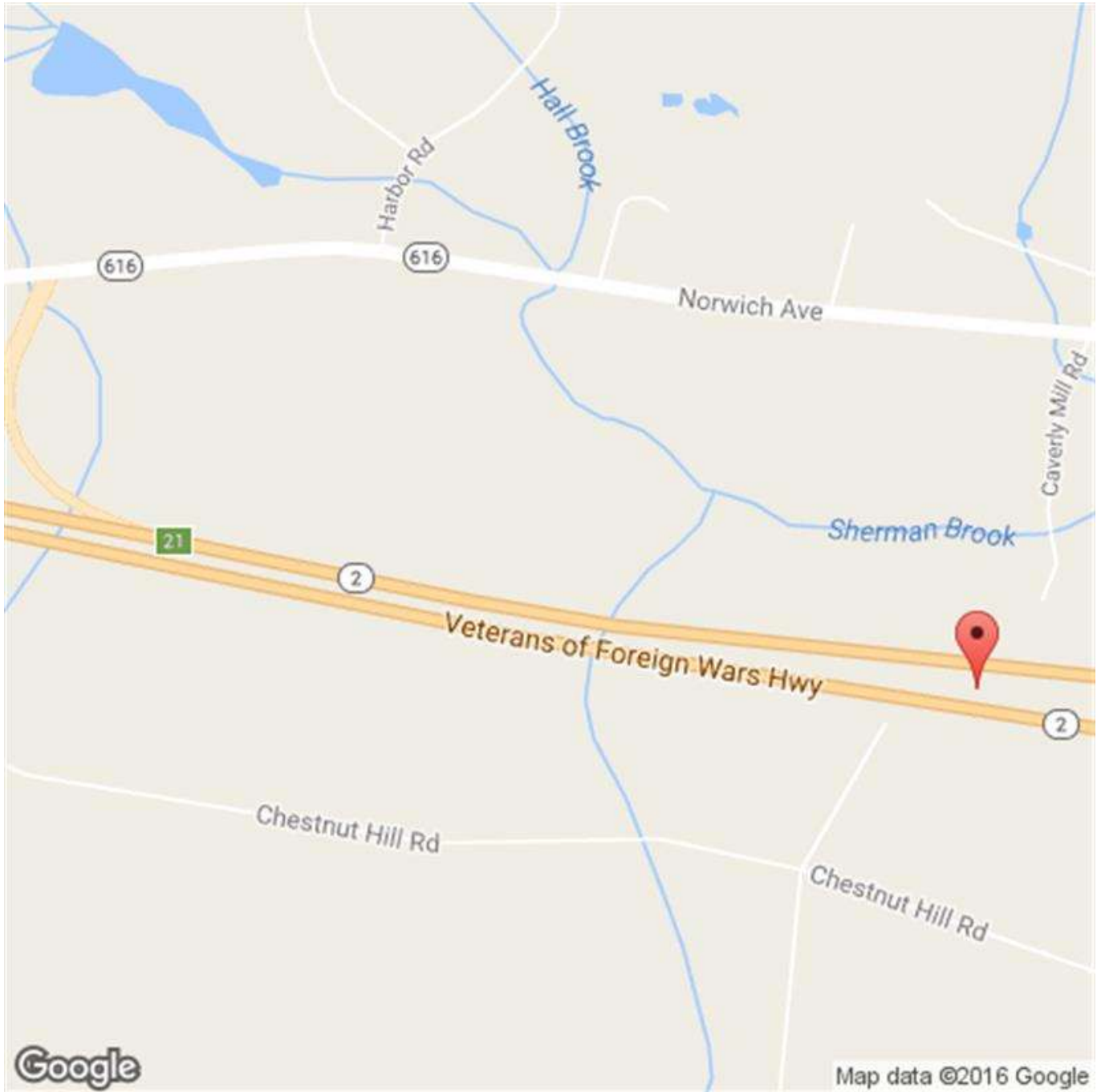
:Bridge No 06841

Town: COLCHESTER

Carried: ROUTE 2

Crossed: BROOK

Inventory Route: NHS



Location Map # 1

1.0 miles East of Route 2 Exit No. 21 {SR 610
- Norwich Avenue}

3.5 miles West of Route 2 Exit No. 22 {Scott
Hill Road}

Form: BRI-19, Rev. 2/15
Inspection type: Routine, Special
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:Bridge No 06841

Town: COLCHESTER
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Crossed: BROOK
Inventory Route: NHS

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="02/06/2019"/>	<input type="text" value="J Corrosion / Section loss"/>

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

Route 2 {Veterans of Foreign Wars Memorial Highway} - Inventory Route Log Direction - East..

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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Town: COLCHESTER
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Crossed: BROOK
Inventory Route: NHS

(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"/>	<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"/>	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 ft. in.
Posted Vert. Underclearance ft. in.
Posted Speed Limit on Bridge 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

Form: BRI-19, Rev. 2/15
Inspection type: Routine, Special
Inspection Date: 2/06/2019
Inspected by: Team 5

:Bridge No 06841

Town: COLCHESTER
Carried: ROUTE 2
Crossed: BROOK
Inventory Route: NHS

INSPECTOR'S SIGNATURES:

1)  Date: 02/19/2019

2)  Date: 02/26/2019

3) _____ Date:

4) _____ Date:

P.E. SIGNATURE:


David Pawlikowski, P.E.

Date: 02/28/2019

P.E. #

Reviewed By:


David Pawlikowski, P.E.

Date: 02/28/2019

Form: **BRI-18, Rev. 1/14**
 Inspection type: Routine, Special
 Inspection Date: 2/06/2019
 Inspected by: Team 5

:Bridge No **06841**

Town: COLCHESTER
 Carried: ROUTE 2
 Crossed: BROOK
 Inventory Route: NHS

FIELD INSPECTION REPORT

Location:	1 MI EAST OF EXIT 21	Year Built:	1971	Snooper Required:	<input type="checkbox"/>
Main Material:	3 - Steel	Year Rebuilt		Snooper Used:	<input type="checkbox"/>
Main Design:	19 - Culvert (includes frame)				

Inspectors:

Lead Inspector:	Peter Venoutsos
Inspector:	Task:
Area, 05	BSE - Inspector
Jones, James	BSE - Inspector
Venoutsos, Peter	BSE - Inspector

Visits:

Visit Date:	Temp:	Start Time:	End Time:
02/06/2019	43	10:45 AM	12:40 AM

58. DECK:

Route 2 {Veterans of Foreign Wars Memorial Highway} - Inventory Route Log Direction - West to East.. Overall Rating: N

Inlet - South Side of the Structure..

Route 2 East Bound Approximately 15 feet of Ballast & Bituminous Concrete Pavement..

Route 2 West Bound Approximately 9 feet of Ballast & Bituminous Concrete Pavement..

Rating

Overlay: 7 Bituminous Concrete Pavement exhibits:
 Up to 3/4" open transverse cracks with light raveling, mostly in shoulders.

Deck - Str. Condition:	N
Curbs:	N
Median:	N
Sidewalks:	N
Parapet:	N
Railing:	N
Paint:	N
Fence:	N
Drains:	N
Lighting Standard:	N

Overall Utility Condition Rating

Utility Type/Size N | No Utilities present

Construction Joints:	N
Expansion Joint:	N

Haunches Present over travelway? NO

APPROACH CONDITION:

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 Inspected by: Team 5

:Bridge No 06841

Town: COLCHESTER
 Carried: ROUTE 2
 Crossed: BROOK
 Inventory Route: NHS

Overall Rating: 7

Rating

Approach Slab:	N	
Relief Joints:	N	
Approach Guide Rail:	N	
Approach Pavement:	7	Bituminous Concrete Approach Pavement exhibits: Up to 3/4" open transverse cracks with light raveling, mostly in shoulders. Westbound- up to 1/2" open map cracking thru out shoulder.
Approach Embankment:	8	

Traffic Safety Features

Bridge Railings:	N	
Transitions:	N	
Approach Guardrails:	N	
Approach Guardrail Ends:	N	

59. SUPERSTRUCTURE:

Overall Rating: N

Rating

Bearing Devices:	N	
Stringers:	N	
Girders:	N	
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:	N	
Concrete Cracking:	N	
Collision Damage:	N	
Member Alignment:	N	
Deflection Under Load:	N	
Vibration Under Load:	N	
Stand Pipes:	N	
Catwalks:		
Movable Inspection System:		
Barrel Ladders:	N	

Are Barrel Ladders OSHA Compliant? NA

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:Bridge No 06841

Town: COLCHESTER
 Carried: ROUTE 2
 Crossed: BROOK
 Inventory Route: NHS

60. SUBSTRUCTURE:

Overall Rating:

Rating

Abutments - Stem:	N	
Abutments - Backwall:	N	
Abutments - Footings:	N	
Abutments - Settlement:	N	
Abutments - Wingwalls:	N	
Piers/Bents - Caps:	N	
Piers/Bents - Pile Bent:	N	
Piers/Bents - Columns:	N	
Piers/Bents - Footings:	N	
Piers/Bents - Settlement:	N	
Erosion - Scour:	N	
Concrete Crack - Spall:	N	
Steel Corrosion:	N	
Paint:	N	
Timber Decay:	N	
Collision Damage:	N	
Debris:	N	

61. CHANNEL AND CHANNEL PROTECTION:

Overall Rating:

Rating

Channel - Scour:	7	Mild Stream bed Scour.. Outlet- cut off wall exposed up to 10" high x full width. It must be noted that there is a small hydraulic jump at the outlet.
Embankment - Erosion:	8	
Debris:	7	Minor deadwood in and along channel. Southwest - embankment encroachment narrowing channel up to 40 percent with three small trees growing directly in from of inlet.
Vegetation:	7	Embankments well vegetated.
Channel Change:	7	Low flow this inspection. It must be noted that the channel is comprised of rock and ledge, it also steps downward at both upstream and downstream of structure. Water depths- In pipe 2" to 3" Upstream 1" to 10" Downstream 1" to 8" Free board at inlet 6' - 9"
Fender - System:	N	
Spur Dikes and Jetties:	N	

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Rip Rap: N

62. CULVERTS AND RETAINING WALLS:

Inlet Section {Grass Area} - Single Span Corrugated Steel Round Pipe Culvert..
 84 inch diameter Round Pipe by 60 feet 00 inches {Length}..
 Corrugation Size: 2 2/3 inch by 1/2 inch by 0.1380 inch {10 gauge thickness}..
 Outlet Section Route 2 West Bound & East Bound - Single Span corrugated Steel Elongated
 Pipe Culvert..
 84 inch diameter Elongated Round Pipe by 413 feet 8 inches {Length}..
 Top Plates Corrugation Size: 6 inch by 2 inch by 12 gauge {0.109 inch thickness}..
 Bottom Plates Corrugation Size: 6 inch by 2 inch by 10 gauge {0.138 inch thickness}..

Overall Rating: 3

Rating

Barrel:

Concrete: N

Steel: 3

7 ft. Round a.c.c.m.p. - inlet (north), flared steel end treatment with heavy laminar rust and minor
 Loss of asphalt coating at and below waterline throughout with varying degrees of section loss.
 50 ft. north of inlet, top dented in up to 18 in. Area is approximately 25 ft. Long. Note, this appears to
 be a construction defect and is not under the roadway.
 From 80 ft. To 125 ft. north of inlet, perforations in edges of bottom plate up to 12 in. X 2 in.
 From 125 ft. To 300 ft. north of inlet, heavy laminar rust with scattered perforations up to 4 in. X 3 in.
 From 240' north of inlet, 3 missing bolts at seam along bottom.
 264 ft. north of inlet, perforations in west side and bottom plates. Area is 6 ft. long with the largest hole
 being 12 in. X 10 in. Can probe behind pipe 14 in. This condition is typical at 291 ft. north of inlet.
 From 300 ft. To 360 ft. north of inlet, heavy laminar rust on bottom plate with minor section loss.
 360 ft. North of inlet, (4) holes torn through top plate (from construction) some sealed.
 370 ft. North of inlet, (2) perforations in west side plate 4 in. X 3 in. Each.
 405 ft. north of inlet, perforation in east side and bottom plate 6 in. X 2 in.

Timber: N

Headwall: 7

Outlet (north) only - concrete.
 - light scale at and below waterline.

Cutoff Wall: 7

Outlet- cut off wall exposed up to 10" high x full width.

Debris: 8

Retaining Wall System: 7

Outlet end only - concrete

Footings: N

Not visible.

LOAD POSTING:

Rating

Single Unit (Tons):

Form: BRI-18, Rev. 1/14
Inspection type: Routine, Special
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:Bridge No 06841

Town: COLCHESTER
Carried: ROUTE 2
Crossed: BROOK
Inventory Route: NHS

Semi Trailer (Tons):		
4 Axle (Tons):		
3S2 (Tons):		
All Vehicles:		
Advanced Warning:		
Warning At Bridge:		
Legibility:		
Visibility:		

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:					

NOTES / COMMENTS:

Character of Traffic: Moderate to heavy volume, mixed weights.

Additional Notes:

Additional Comments:

National Bridge Elements
Inspection type: Routine,Special
Inspection Date: 2/06/2019
Inspected by: Team 5

:Bridge No 06841

Town: COLCHESTER
Carried: ROUTE 2
Crossed: BROOK
Inventory Route: NHS

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
240 - Steel Culvert	Mod.	474	ft.	36	0	413	25
	<p>Inlet Section {Grass Area} - Single Span Corrugated Steel Round Pipe Culvert.. 84 inch diameter Round Pipe by 60 feet 00 inches {Length}.. Corrugation Size: 2 2/3 inch by 1/2 inch by 0.1380 inch {10 gauge thickness}..</p> <p>Outlet Section Route 2 West Bound & East Bound - Single Span corrugated Steel Elongated Pipe Culvert.. 84 inch diameter Elongated Round Pipe by 413 feet 8 inches {Length}.. Top Plates Corrugation Size: 6 inch by 2 inch by 12 gauge {0.109 inch thickness}.. Bottom Plates Corrugation Size: 6 inch by 2 inch by 10 gauge {0.138 inch thickness}..</p>						
	1000 - Corrosion	413		0	0	413	0
	1900 - Distortion	25		0	0	0	25

Sketches

Inspection type: Routine, Special

Inspection Date: 2/06/2019

Inspected by: Team 5

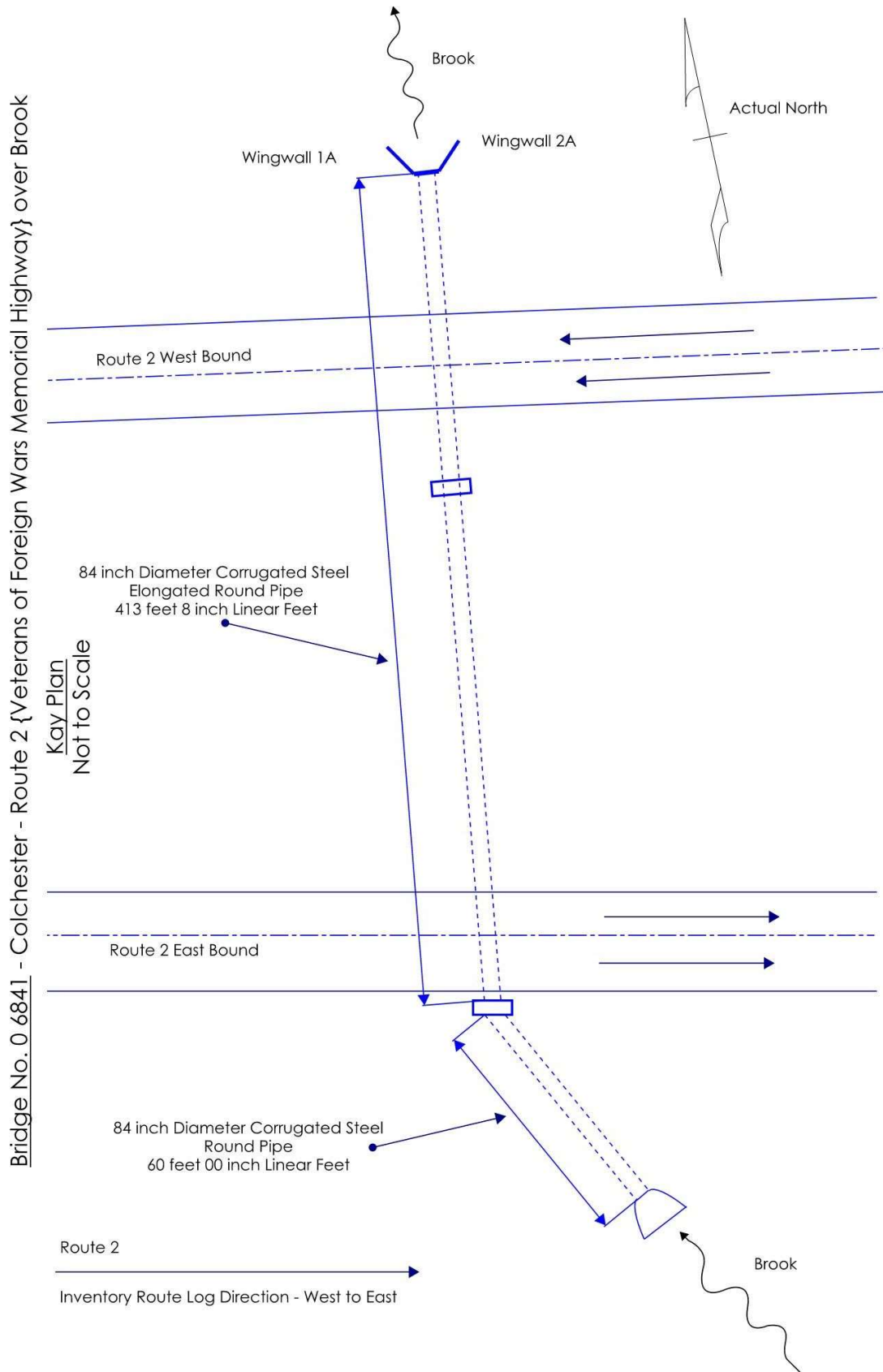
:Bridge No 06841

Town: COLCHESTER

Carried: ROUTE 2

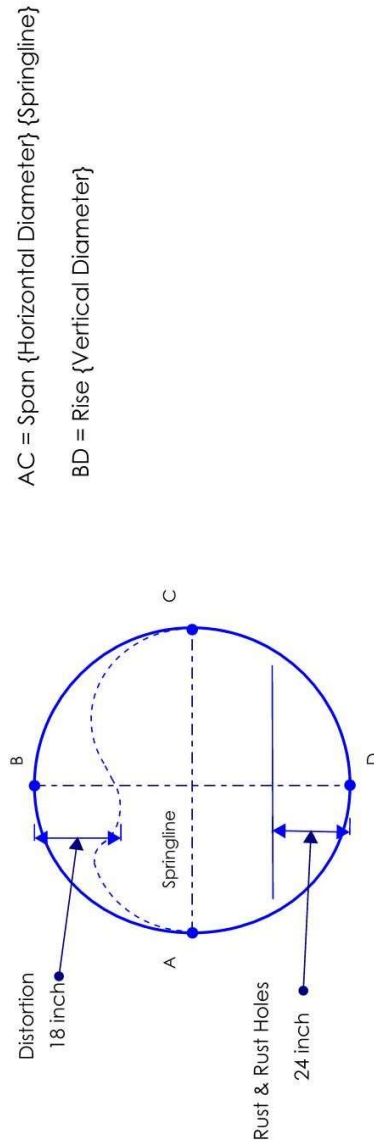
Crossed: BROOK

Inventory Route: NHS



Bridge No. 0 6841 - Colchester - Route 2 {Veterans of Foreign Wars Memorial Highway} over Brook

Note: Corrugated Steel Round Pipe {Inlet Section} exhibits a Distortion {Bulge}, Approximately 18 inch Bulge, Located in the Top Plates {Crown} of the Corrugated Pipe The Effected Area is Approximately 6 feet wide by 25 feet Long Located Approximately 50 feet from Inlet.



Note: Corrugated Steel Round Pipe & Round Elongated Pipe exhibits an Area of Light to Extensive Heavy Rust with Deep pitting, Scattered Rust Holes & Pronounced Thinning

Some Deflection or Penetration When Struck with Hammer.

Numerous Random Rust Holes Ranging in Size Approximately 1/2 inch diameter to Approximately 10 inch by 12 inch

These Conditions for the Full Length of the Corrugated Steel Round Pipe & Round Elongated Pipe and Located on the Bottom Plates {Invert} Approximately 24 inch High Area

Corrugated Steel Pipe
Cross-Section
Not to Scale
March 6, 2018

Prepared By: David Pawlikowski, P.E. - CTDOT Bridge Safety - April 5, 2018

Sketches

Inspection type: Routine, Special

Inspection Date: 2/06/2019

Inspected by: Team 5

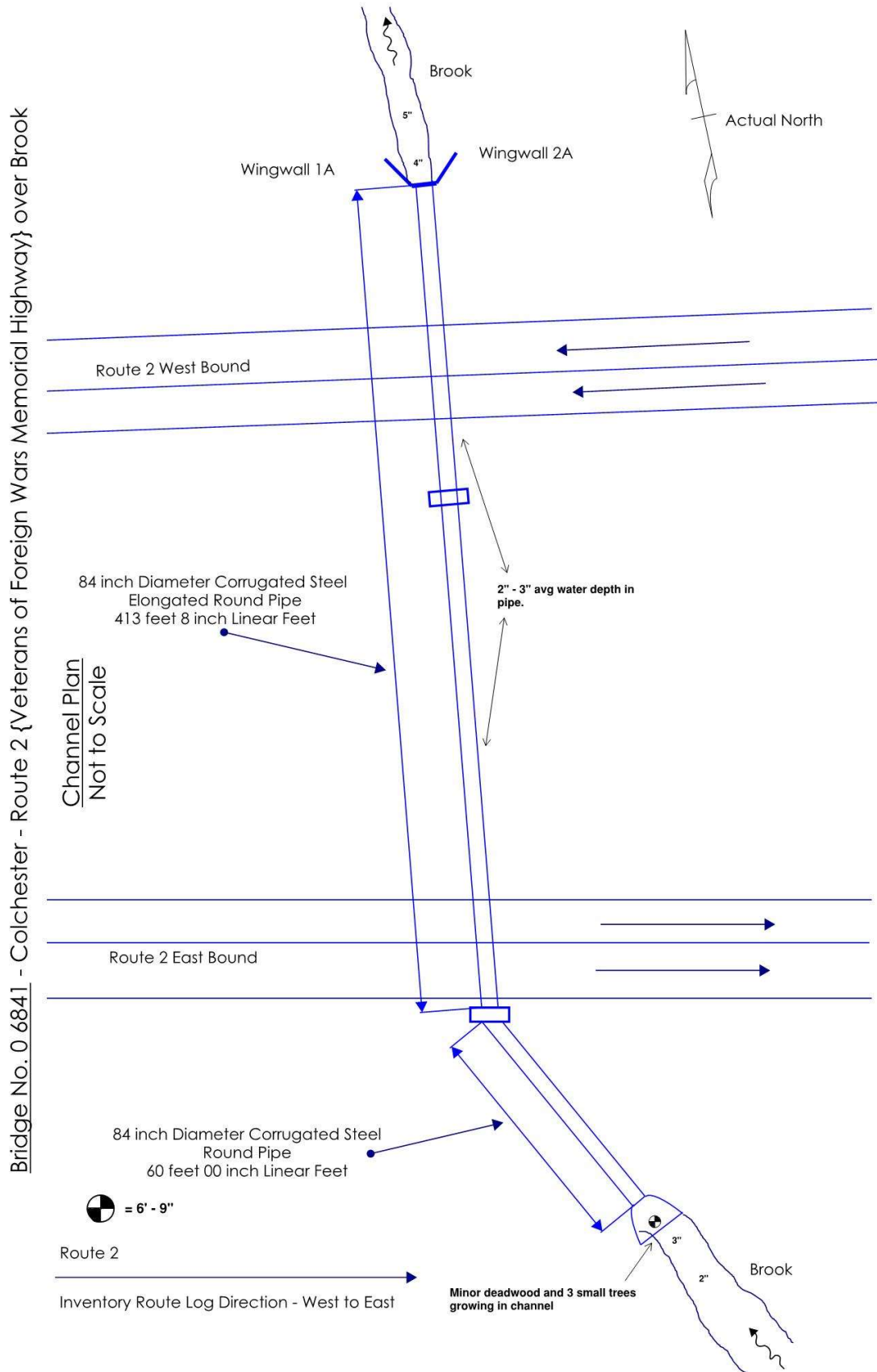
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Town: COLCHESTER

Carried: ROUTE 2

Crossed: BROOK

Inventory Route: NHS



Sketches

Inspection type: Routine, Special

Inspection Date: 2/06/2019

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:Bridge No 06841

Town: COLCHESTER

Carried: ROUTE 2

Crossed: BROOK

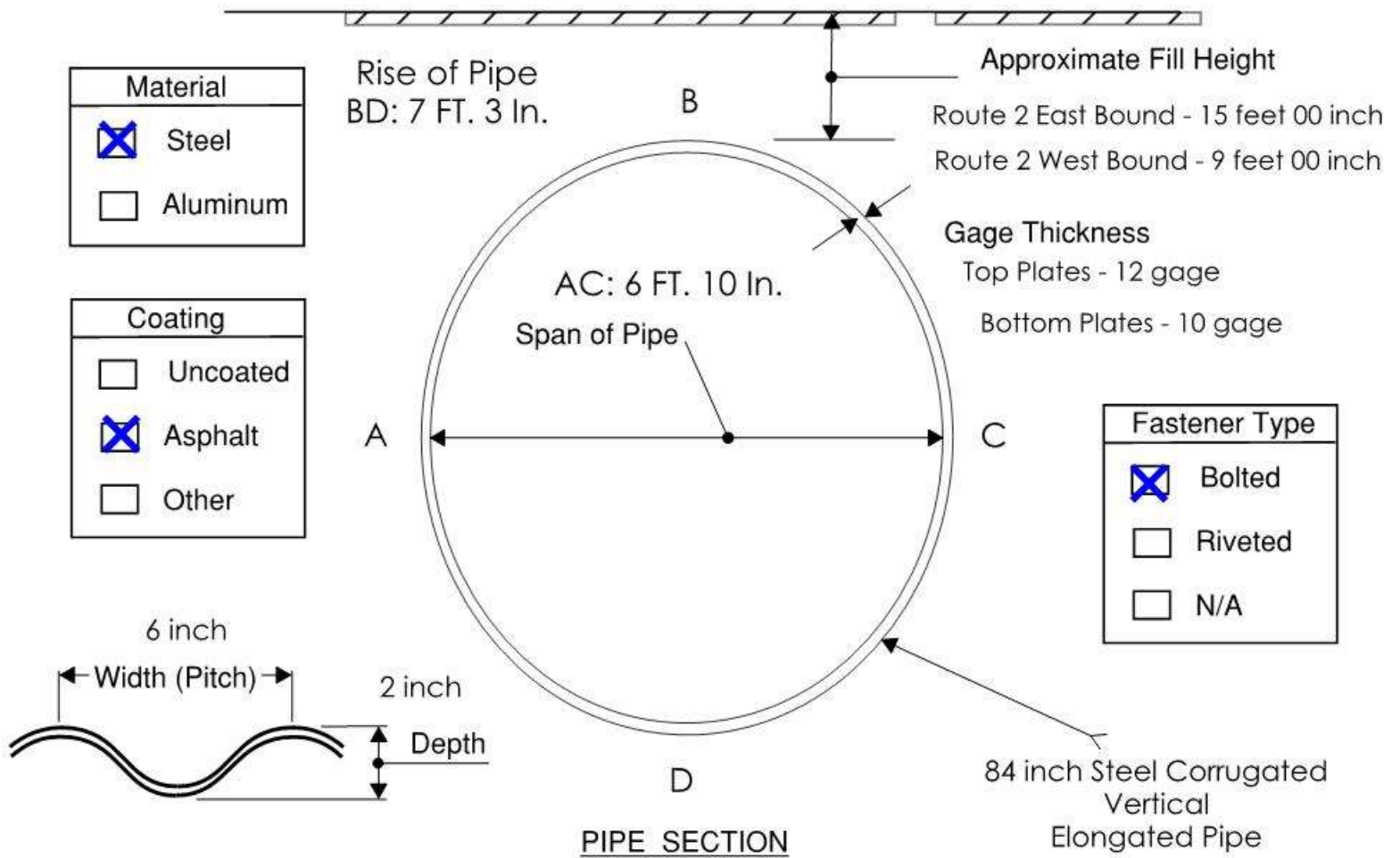
Inventory Route: NHS

CREW: David Pawlikowski, P.E.

DATE: February 28, 2019

BRIDGE NO.: 06841

Route 2 East Bound & Route 2 West Bound



PIPE SECTION

Span	Corrugation Size	Corrugation Pipe Size	Pipe Length
No. 1 Outlet Section	Top Plates 6 inch by 2 inch by 12 gage {0.109 inch} Bottom Plates 6 inch by 2 inch by 10 gage {0.138 inch}	6 feet 10 inch {Span} 7 feet 3 inch {Rise}	413 feet 8 inches

Note: Project No. 28 - 128 - Year 1968

REVISION	DATE:	CREW:	REVISION	DATE:	CREW:
REVISION	DATE:	CREW:	REVISION	DATE:	CREW:

Sketches

Inspection type: Routine, Special

Inspection Date: 2/06/2019

Inspected by: Team 5

:Bridge No 06841

Town: COLCHESTER

Carried: ROUTE 2

Crossed: BROOK

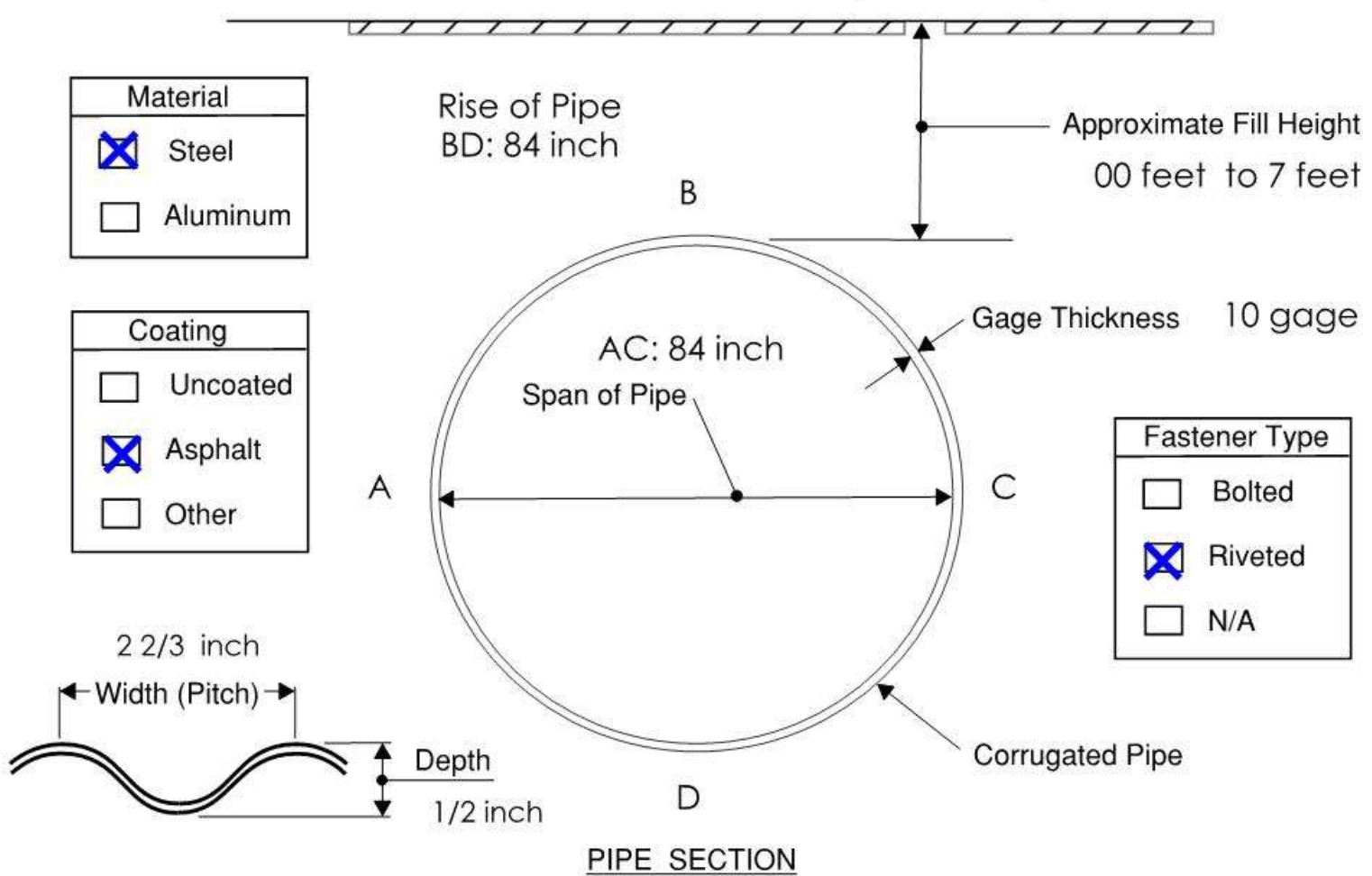
Inventory Route: NHS

CREW: David Pawlikowski, P.E.

DATE: February 28, 2019

BRIDGE NO.: 06841

No Noticeable Feature {Grass Area}



Span	Corrugation Size	Corrugation Pipe Size	Pipe Length
No. 1 Inlet Section	2 2/3 inch by 1/2 inch by 10 gage {0.138inch}	84 inch Diameter Round Pipe	60 feet 00 inch

Note: Project No. 28 - 128 - Year 1968

REVISION Δ	DATE:	CREW:	REVISION Δ	DATE:	CREW:
REVISION Δ	DATE:	CREW:	REVISION Δ	DATE:	CREW:

**Bridge No. 0 6841
Town of Colchester
Route 2 over Brook**

**Horizontal & Vertical Round Pipe Diameter Measurements
Project No. 28 - 128 - Year 1968**

Date:	12-Dec-13	12-Dec-13	5-Jan-15	5-Jan-15	16-Sep-15	16-Sep-15	10-Nov-16	10-Nov-16	
Location	Horizontal Diameter	Vertical Diameter	Horizontal Diameter	Vertical Diameter	Horizontal Diameter	Vertical Diameter	Horizontal Diameter	Vertical Diameter	
Inlet	6' - 8 3/4"	7' - 1"	6' - 8 1/4"	7' - 3"	6' - 8 7/16"	7' - 3 3/16"	6' - 8 7/16"	7' - 3 5/16"	Inlet
50 feet	6' - 8 3/4"	5' - 8"	6' - 10 3/8"	5' - 7 1/4"	6' - 10 9/16"	5' - 8 11/16"	6' - 10 15/16"	5' 8 11/32"	
100 feet	6' - 7 1/2"	7' - 4 1/8"	6' - 7"	7' - 3 3/4"	6' - 7 1/8"	7' - 3 7/8"	6' - 7 3/16"	7' - 4 1/4"	
150 feet	6' - 7 3/4"	7' - 4"	6' - 7 3/8"	7' - 3 5/8"	6' - 7 5/16"	7' - 3 9/16"	6' - 7 3/8"	7' - 3 31/32"	
200 feet	6' - 9"	7' - 4 3/4"	6' - 8 1/2"	7' - 2 1/4"	6' - 8 3/4"	7' - 2 3/8"	6' - 8 3/4"	7' - 2 7/16"	
250 feet	6' - 9 1/2"	7' - 3 1/2"	6' - 8 3/4"	7' - 2 5/8"	6' - 8 15/16"	7' - 2 13/16"	6' - 9 3/16"	7' - 2 5/16"	
300 feet	6' - 9 1/2"	7' - 2"	6' - 9 1/8"	7' - 1 3/8"	6' - 9 1/4"	7' - 1 3/8"	6' - 9 3/8"	7' - 1 3/4"	
350 feet	6' - 8 1/4"	7' - 3 1/2"	6' - 8"	7' - 2 3/4"	6' - 7 15/16"	7' - 2 13/16"	6' - 7 15/16"	7' - 3 1/4"	
400 feet	6' - 8 1/2"	7' - 3 1/2"	6' - 8 1/8"	7' - 2 7/8"	6' - 8 3/4"	7' - 3"	6' - 8 7/16"	7' - 3 5/8"	
Outlet	6' - 6 1/4"	7' - 4 1/2"	6' - 5 3/4"	7' - 4 1/2"	6' - 5 13/16"	7' - 4 1/2"	6' - 5 27/32"	7' - 5"	Outlet

Notes: Corrugated Steel Round Pipe - 84 inch diameter by 60 feet - 00 inches {length} - Inlet Section
 Corrugated Steel Round Elongated Pipe - 84 inch diameter by 413 feet 8 inches {length} - Outlet Section
 Steel Round Pipe Corrugation Size 2 2/3 inch by 1/2 inch by 10 gage {0.138 inch thickness} - Inlet Section
 Steel Round Pipe Elongated Corrugation Size - Top Plates - 6 inch by 2 inch by 12 gage {0.109 inch thickness} - Outlet Section
 Steel Round Pipe Elongated Corrugation Size - Bottom Plates - 6 inch by 2 inch by 10 gage {0.138 inch thickness} - Outlet Section
 Route 2 East Bound Ballast Depth - Approximately 15 feet 00 inches
 Route 2 West Bound Ballast Depth - Approximately 9 feet 00 inches
 Location - 50 feet from Inlet {South Side of Structure}; 100 feet from Inlet {South Side of Structure}; etc.

**Bridge No. 0 6841
Town of Colchester
Route 2 over Brook**

**Horizontal & Vertical Round Pipe Diameter Measurements
Project No. 28 - 128 - Year 1968**

Date:	6-Mar-18	6-Mar-18	16-Feb-19	16-Feb-19					
Location	Horizontal Diameter	Vertical Diameter	Horizontal Diameter	Vertical Diameter	Horizontal Diameter	Vertical Diameter	Horizontal Diameter	Vertical Diameter	
Inlet	6' - 8 7/16"	7' - 3"	6' - 8 7/16"	7' - 3"					Inlet
50 feet	6' - 10 5/16"	5' - 8 11/32"	6' - 10 17/32"	5' - 8 9/32"					
100 feet	6' - 7 1/8"	7' - 4"	6' - 7 1/8"	7' - 4"					
150 feet	6' - 7 3/8"	7' - 3 1/2"	6' - 7 1/2"	7' - 3 3/8"					
200 feet	6' - 8 3/4"	7' - 2 7/16"	6' - 8 27/32"	7' - 2 7/16"					
250 feet	6' - 9 5/16"	7' - 2 1/4"	6' - 8 29/32"	7' - 3 11/32"					
300 feet	6' - 9 3/8"	7' - 1 3/8"	6' - 9 11/32"	7' - 1 7/8"					
350 feet	6' - 7 15/16"	7' - 3"	6' - 7 19/32"	7' - 3 17/32"					
400 feet	6' - 8 1/2"	7' - 3 3/8"	6' - 7 3/4"	7' - 3 21/32"					
Outlet	6' - 5 13/16"	7' - 5"	6' - 5 3/4"	7' - 5"					Outlet

Notes: Corrugated Steel Round Pipe - 84 inch diameter by 60 feet - 00 inches {length} - Inlet Section
 Corrugated Steel Round Elongated Pipe - 84 inch diameter by 413 feet 8 inches {length} - Outlet Section
 Steel Round Pipe Corrugation Size 2 2/3 inch by 1/2 inch by 10 gage {0.138 inch thickness} - Inlet Section
 Steel Round Pipe Elongated Corrugation Size - Top Plates - 6 inch by 2 inch by 12 gage {0.109 inch thickness} -
 Steel Round Pipe Elongated Corrugation Size - Bottom Plates - 6 inch by 2 inch by 10 gage {0.138 inch
 Route 2 East Bound Ballast Depth - Approximately 15 feet 00 inches
 Route 2 West Bound Ballast Depth - Approximately 9 feet 00 inches
 Location - 50 feet from Inlet {South Side of Structure}; 100 feet from Inlet {South Side of Structure}; etc.

Culvert Worksheet

Bridge No.: 0 6841

Town: Colchester

Facility Carried\Feature Intersected: Route 2 {Veterans of Foreign Wars Memorial Highway}
over Brook {Sherman Brook - Downstream}

Description: Single Span Corrugated Steel Round Pipe Culvert - Inlet Section {Grass Area}
84 inch diameter by 60 feet 00 inches {length} - Inlet Section {Grass Area}
Corrugation Size - 2 2/3 inch by 1/2 inch by 10 gage {0.138 inch thickness} - Inlet Section {Grass Area}

Description: Single Span Corrugated Steel Round Elongated Pipe Culvert - Outlet Section {Route 2}
84 inch diameter Elongated by 413 feet 8 inches {length} - Outlet Section {Route 2}
Top Plates Corrugation Size - 6 inch by 2 inch by 12 gage {0.109 inch thickness} - Outlet Section
Bottom Plates Corrugation Size - 6 inch by 2 inch by 10 gage {0.138 inch thickness} - Outlet Section

Ballast Depth: Route 2 East Bound Approximately 15 feet of Ballast & Bituminous Concrete Pavement
Route 2 West Bound Approximately 9 feet of Ballast & Bituminous Concrete Pavement

Item No. 113 Scour Critical: - 8 -

Tidal: No

Rip Rap: No

Cutoff Wall Exposed: Yes - Outlet Cutoff Wall Exposed up to Approximately 10 inches high

Cutoff Wall Undermining: No

Wingwall Exposed Footing: No

Wingwall Footing Undermining: No

Concrete Apron: No

Bed Rock: No

Comments: Bridge Plans - Project No. 28 - 128 - Year 1968

Outlet Cutoff Wall Height - 2 feet 6 inches - per plans

Outlet Wingwall Width {No Wingwall Footings} - Varies 1 foot 11 1/4 inches to 3 feet 6 3/8 inches

Inlet Metal Culvert End - per field

Prepared By: David Pawlikowski, P.E.
CTDOT - Bridge Safety

Date: February 28, 2019

Form: Asset Photos

Inspection type: Routine,Special

Inspection Date: 2/06/2019

Inspected by: Team 5

:Bridge No 06841

Town: COLCHESTER

Carried: ROUTE 2

Crossed: BROOK

Inventory Route: NHS



Photo Number: 1

Photo Taken: 02/06/2019

Looking east over bridge.



Photo Number: 2

Photo Taken: 02/06/2019

Eastbound overlay.

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 2/06/2019
Inspected by: Team 5

:Bridge No 06841

Town: COLCHESTER
Carried: ROUTE 2
Crossed: BROOK
Inventory Route: NHS



Photo Number: 3

Photo Taken: 02/06/2019

South elevation. (inlet)



Photo Number: 4

Photo Taken: 02/06/2019

Looking through first section at south end.

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 2/06/2019
Inspected by: Team 5

:Bridge No 06841

Town: COLCHESTER
Carried: ROUTE 2
Crossed: BROOK
Inventory Route: NHS



Photo Number: 5

Past noted damage to upper section of pipe.

Photo Taken: 02/06/2019



Photo Number: 6

Catch basin junction.

Photo Taken: 02/06/2019

Form: Asset Photos
Inspection type: Routine, Special
Inspection Date: 2/06/2019
Inspected by: Team 5

:Bridge No 06841

Town: COLCHESTER
Carried: ROUTE 2
Crossed: BROOK
Inventory Route: NHS



Photo Number: 7

Photo Taken: 02/06/2019

Looking through main section of pipe adjacent to catch basin.



Photo Number: 8

Photo Taken: 02/06/2019

Section loss to invert near inlet.

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 2/06/2019
Inspected by: Team 5

:Bridge No 06841

Town: COLCHESTER
Carried: ROUTE 2
Crossed: BROOK
Inventory Route: NHS



Photo Number: 9

Photo Taken: 02/06/2019

Looking through pipe. Noted pipe is angled downward towards outlet.



Photo Number: 10

Photo Taken: 02/06/2019

Rust along upper bolt line.

Form: Asset Photos
Inspection type: Routine, Special
Inspection Date: 2/06/2019
Inspected by: Team 5

:Bridge No 06841

Town: COLCHESTER
Carried: ROUTE 2
Crossed: BROOK
Inventory Route: NHS



Photo Number: 11

Photo Taken: 02/06/2019

Section loss pipe random areas through out.



Photo Number: 12

Photo Taken: 02/06/2019

More section loss to pipe sections some penetrations up to two feet deep.

Form: Asset Photos
Inspection type: Routine,Special
Inspection Date: 2/06/2019
Inspected by: Team 5

:Bridge No 06841

Town: COLCHESTER
Carried: ROUTE 2
Crossed: BROOK
Inventory Route: NHS



Photo Number: 13

Photo Taken: 02/06/2019

North elevation. (outlet)



Photo Number: 14

Photo Taken: 02/06/2019

Looking downstream.

Form: Asset Photos

Inspection type: Routine,Special

Inspection Date: 2/06/2019

Inspected by: Team 5

:Bridge No 06841

Town: COLCHESTER

Carried: ROUTE 2

Crossed: BROOK

Inventory Route: NHS



Photo Number: 15

Photo Taken: 02/06/2019

Looking westbound over bridge.



Photo Number: 16

Photo Taken: 02/06/2019

View of westbound overlay.