

STRUCTURE NO. 02507

ROUTE 82
over
BROOK
EAST HADDAM

Routine Inspection
on
3/28/2007

Inspected by Team 3
for Area 10

TEAM:	Forwarded to Senior	Don Carlson	Date	6/8/2007
SENIOR:	Reviewed by Senior	DMC	Date	6/13/07
	BMM Required		No	
	Town Bridge		No	
	Rating <= 5 (Items 58,59,60 or 62)		YES	
	Forwarded to Supervisor	JCK	Date	7/12/07
	Forwarded to "To Be Copied Drawer"	<input type="checkbox"/>	Date	July 18 2007
	Date BRI-19 Entered	7/12/07		
SUPERVISOR:	Reviewed by Supervisor	JCK	Date	July 16 2007
SUPPORT:	Date Copies Mad	8/1/07	BMM No	Trans

NBI: No

Structure No.	02507	Town	EAST HADDAM
Inspection Date	3/28/2007	Inspectors	TKAn 3

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Comments:

Bridge Number **02507**

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
BRIDGE SAFETY & EVALUATION

Inspected By: D. Willis & T. Kahak

Sufficiency Rating **54.87**
Previous Inspection Date **2/24/2005**

STRUCTURE EVALUATION
SHEET 1 OF 2 FORM BRI-19 REV 10/00

BS&E Received Data Entry By: DMC
Copies Made Data Entry Date: 7/12/07

SHEET 1 OF (INSP. REPORT)

90) Inspection Date 032807	Inspection Team 303	91) Frequency Class: 24 01
Indepth Insp	Deck Survey	Access Flagman 0 0
CRITICAL FEATURE INSPECTIONS		
Type	Frequency	Team Date
Fracture: <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Uwater: <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Special: <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

RED FLAG

IDENTIFICATION

Bridge Name **EAST HADDAM** Town Name **EAST HADDAM** Town Code **22280**

5) Inventory Route:
 A) Record Type **1** B) Signing Prefix **3** C) Level of Service **1**
 D) Route Number **00082** E) Directional Suffix **0 NA**

6) Feature Intersected **BROOK**

7) Facility Carried: **ROUTE 82**

9) Location **.66 MI WEST OF LYME TL**

11) Milepoint **8.28** Miles

16) Latitude **41 deg 25 min 54.00 sec**
 17) Longitude **72 deg 24 min 24.00 sec**

98) Border Bridge:
 A) State Code B) Percent Responsibility %
 C) Border Town Name

99) Border Bridge Structure No

STRUCTURE TYPE AND MATERIAL

43) Structure Type, Main:
 A) Material **1** Concrete B) Design Type **1** Slab

44) Structure Type, Approach:
 A) Material **0** Other B) Design Type **0** Other

45) Number of Spans, Main Unit **1**

46) Number of Approach Spans **0**

107) Deck Structure Type **1** Concrete Cast-in-Place

108) Wearing Surface/Protective System:
 A) Type of Wearing Surface **6** Bituminous
 B) Type of Membrane **0** None
 C) Type of Deck Protection **0** None

AGE AND SERVICE

27) Year Built **1924** 106) Year Reconstructed **0000**

42) Type of Service:
 A) On **1** Highway B) Under **5** WATERWAY

28) Number of Lanes:
 A) On **2** B) Under **0**

29) Average Daily Traffic **2800** Half ADT?: **No**

109) Percent Truck **4%**

30) Year of ADT **2003**

19) Bypass, Detour Length **25** miles

GEOMETRIC DATA

48) Length of Max Span **16** ft

49) Structure Length **16** ft

50) Curb or Sidewalk Widths:
 A) Left **0.0** ft B) Right **0.0** ft

51) Brg Rdwy width, curb-curb **25.8** ft

52) Deck Width, Out-Out **28.3** ft

32) Approach Roadway Width **23** ft

33) Bridge Median **0** No Median

Deck Area **453** sqft

34) Skew Angle **0** deg

35) Structure Flared **0**

10) Inv. Rte. Min. Vert Clearance **99** ft **99** in

47) Log Inv. Rte. Total Horiz Clr.: **25.8** ft

47) RLog Inv. Rte. Total Horiz. Clr.: **ft**

53) Min Vert Clearance Over Bridge **99** ft **99** in

54) Min Vert Under Clearance **N** Ref **0** ft **0** in

55) Min Lat Under Clearance on Right **N** Ref **99.9** ft

56) Min Lat Under Clearance on Left **N** Ref **0.0** ft

BRIDGE COMMENTS

Connecticut Department of Transportation

Bridge Inspection Report BRI-18

BRIDGE #: 02507

INSPECTION DATE: 3/28/2007

INSPECTION TYPE: Routine **PREVIOUS INSPECTION DATE:** 2/24/2005 **SNOOPER REQUIRED:** No

INSPECTION PERFORMED BY: Team 3 **SNOOPER USED:** No

TOWN: EAST HADDAM **FEATURE CARRIED:** ROUTE 82 **YEAR BUILT:** 1924

LOCATION: .66 MI WEST OF LYME TL **FEATURE INTERSECTED:** BROOK **YEAR REBUILT:** 0

MAIN MATERIAL: Concrete **MAIN DESIGN:** Slab

INSPECTION VISITS:

Inspection Date: 3/28/2007 **Start Time:** 12:15 PM
Temperature: 60 °F **End Time:** 1:10 PM

INSPECTORS:

Inspector: D. Willis **Task:** INSPECTION
Inspector: T. Kahak **Task:** INSPECTION

58. DECK REINFORCED CONCRETE SLAB **OVERALL RATING** 8

	RATING	
OVERLAY	8	Bituminous concrete.
DECK STR. CONDITION	8	Integral deck, rating based only on the condition of the wearing surface. See item 59-3.
CURBS	7	Combination curb and railbase. Light to medium scale and concrete patches.
MEDIAN	N	
SIDEWALKS	N	
PARAPET	N	
RAILING	7	Angle Iron posts and hand rail with flex beam rail integrated with approach guide rail. Railing shows peeling paint and spotty light rust.
PAINT	3	Greater than 50% of railing shows peeling paint and light rust.
FENCE	N	
DRAINS	N	
LIGHTING STANDARD	N	
UTILITIES TYPE/SIZE	N	
CONSTRUCTION JOINTS	N	
EXPANSION JOINTS	N	

59. SUPERSTRUCTURE INTEGRAL CONCRETE SLAB **OVERALL RATING** 4

	RATING	
BEARING DEVICES	N	
STRINGERS	N	
GIRDERS	4	Curing, map hairline, and longitudinal cracks. 30 sf. ± light to medium scale and concrete patches, some hollow. 10 sf. ± hollow and potential spall areas. Map and longitudinal hairline cracks with heavy efflo. with candles at both edges. Spalls with exposed rebar. 25 % ± deterioration. See Sketch.

**Connecticut Department of Transportation
Bridge Inspection Report BRI-18**

BRIDGE #: 02507

INSPECTION DATE: 3/28/2007

59. SUPERSTRUCTURE	INTEGRAL CONCRETE SLAB	OVERALL RATING 4
FLOOR BEAMS	N	
TRUSSES-GENERAL	N	
TRUSSES-PORTALS	N	
TRUSSES-BRACING	N	
PAIN	N	
RUST	N	
MACHINERY MOV SPAN	N	
RIVETS & BOLTS	N	
WELDS & CRACKS	N	
TIMBER DECAY	N	
CONCRETE CRACKING	5	See Girders. See sketch.
COLLISION DAMAGE	8	
MEMBER ALIGNMENT	8	
DEFLECT. UNDER LOAD	N	Normal
VIBR. UNDER LOAD	N	Normal
STAND PIPES	N	
BARREL LADDERS	N	
ARE BARREL LADDERS OSHA COMPLIANT?		NA

60. SUBSTRUCTURE		OVERALL RATING 7
	RATING	
ABUTMENTS-STEM	7	Masonry with concrete caps. Some cracked mortar and stones. Abutment # 1 - Void at bottom 36 in. x 5 in. x 5 in. ± deep. Abutment # 2 - Large concrete repaired section at upstream end with map and vertical cracks.
ABUTMENTS-BACKWALL	N	
ABUTMENTS-FOOTINGS	N	Not visible.
ABUT.-SETTLEMENT	8	
ABUTMENTS-WINGWALLS	7	3 stone masonry wings and concrete wing at up stream corner of abutment 2. Masonry generally shows cracked mortar and stones and gunite.
PIERS/BENTS-CAPS	N	
PIERS/BENTS-PILE BENT	N	
PIERS/BENTS-COLUMN	N	
PIERS/BENTS-FOOTINGS	N	

**Connecticut Department of Transportation
Bridge Inspection Report BRI-18**

BRIDGE #:

INSPECTION DATE:

60. SUBSTRUCTURE **OVERALL RATING**

PIERS/BENTS-SETTLEMENT	<input type="text" value="N"/>	<input type="text"/>
EROSION-SCOUR	<input type="text" value="7"/>	Stream bed erosion along abutment # 2.
CONCRETE CRACK-SPALL	<input type="text" value="7"/>	See above items.
STEEL CORROSION	<input type="text" value="N"/>	<input type="text"/>
PAINT	<input type="text" value="N"/>	<input type="text"/>
TIMBER DECAY	<input type="text" value="N"/>	<input type="text"/>
COLLISION DAMAGE	<input type="text" value="8"/>	<input type="text"/>
DEBRIS	<input type="text" value="N"/>	<input type="text"/>

61. CHANNEL PROTECTION **OVERALL RATING**

RATING

CHANNEL SCOUR	<input type="text" value="7"/>	Minor scour along abutment # 2. Sand bags at face of scour wall have been scoured away. No undermining at this inspection.
EMBANKMENT EROSION	<input type="text" value="7"/>	Minor areas of erosion.
DEBRIS	<input type="text" value="8"/>	<input type="text"/>
VEGETATION	<input type="text" value="8"/>	<input type="text"/>
CHANNEL CHANGE	<input type="text" value="7"/>	Channel alignment directed towards abutment # 2.
FENDER SYSTEM	<input type="text" value="N"/>	<input type="text"/>
SPUR DIKES & JETTIES	<input type="text" value="N"/>	<input type="text"/>
RIP RAP	<input type="text" value="n"/>	Bagged concrete along Abutment # 2 has apparently washed away.

62. CULVERTS & RETAINING WALL **OVERALL RATING**

APPROACH CONDITION **OVERALL RATING**

RATING

APPROACH SLAB	<input type="text" value="N"/>	<input type="text"/>
RELIEF JOINTS	<input type="text" value="N"/>	<input type="text"/>
APPROACH GUIDE RAIL	<input type="text" value="7"/>	Minor scrapes and dents. Northeast has tear near free end, 36 in. L. x 1 in. W. ±
APPROACH PAVEMENT	<input type="text" value="8"/>	Bituminous.
APPROACH EMBANKMENT	<input type="text" value="8"/>	<input type="text"/>
TRAFFIC SAFETY FEATURES:		
BRIDGE RAILINGS	<input type="text" value="1"/>	<input type="text"/>
TRANSITIONS	<input type="text" value="0"/>	<input type="text"/>
APPROACH GUARDRAILS	<input type="text" value="1"/>	<input type="text"/>
APPR. GUARDRAIL ENDS	<input type="text" value="1"/>	<input type="text"/>

LOAD POSTING

SINGLE UNIT (TONS)

**Connecticut Department of Transportation
Bridge Inspection Report BRI-18**

BRIDGE #: 02507

INSPECTION DATE: 3/28/2007

HS (TONS)	<input type="checkbox"/>	<input style="width: 95%;" type="text"/>
4 AXLE (TONS)	<input type="checkbox"/>	<input style="width: 95%;" type="text"/>
3S2 (TONS)	<input type="checkbox"/>	<input style="width: 95%;" type="text"/>
ADVANCE WARNING Y/N	<input type="checkbox"/>	<input style="width: 95%;" type="text"/>
LEGIBILITY	<input type="checkbox"/>	<input style="width: 95%;" type="text"/>
VISIBILITY/LOCATION	<input type="checkbox"/>	<input style="width: 95%;" type="text"/>

MISC.

MIN VERT. UNDERCLR.	<input type="checkbox"/>	'	<input type="checkbox"/>	"	<input style="width: 95%;" type="text"/>
POSTED CLR. UNDER BRIDGE	<input type="checkbox"/>	0	'	0	" <input style="width: 95%;" type="text"/>
POSTED CLR. ON BRIDGE	<input type="checkbox"/>	'	0	" <input style="width: 95%;" type="text"/>	
ADVANCE WARNING (Y/N)	No				<input style="width: 95%;" type="text"/>
SPEED LIMIT (IF ANY)	<input type="checkbox"/>	MPH	<input style="width: 95%;" type="text"/>		
CHARACTER OF TRAFFIC	<input style="width: 95%;" type="text" value="Light to moderate volume."/>				

ADDITIONAL NOTES

ADDITIONAL COMMENTS:

Inspectors' Signatures:	1)	<u><i>[Signature]</i></u>	Date:	<u>3/28/07</u>
	2)	<u><i>Tom Kahak</i></u>	Date:	<u>3/28/07</u>
	3)	<input style="width: 95%;" type="text"/>	Date:	<u>__/__/__</u>
	4)	<input style="width: 95%;" type="text"/>	Date:	<u>__/__/__</u>
P.E. Signature:	<input style="width: 95%;" type="text"/>			Date: <u>__/__/__</u>
P.E.#:	<input style="width: 95%;" type="text"/>			
Reviewed by:		<u><i>D. Carlson</i></u>	CDOT	Date: <u>6/13/07</u>

Bridge No: 02507

Town of East Haddam

CONCRETE DETERIORATION WORKSHEET

Form BRI-10, Rev. 12/04

Deterioration by Span - in Square Feet				
Deterioration Type	Span No. 1	Span No. 2	Span No. 3	Span No. 4
Spalled and Delaminated Areas	Top: 0.0	Top: 0.0	Top: 0.0	Top: 0.0
	Bottom: 49.0	Bottom: 0.0	Bottom: 0.0	Bottom: 0.0
Scale {Moderate to Severe Only}	Top: 0.0	Top: 0.0	Top: 0.0	Top: 0.0
	Bottom: 10.0	Bottom: 0.0	Bottom: 0.0	Bottom: 0.0
Cracks with Efflorescence {use 6 inch width X length}	Top:	Top:	Top:	Top:
	Bottom: 32.0	Bottom: 0.0	Bottom: 0.0	Bottom: 0.0
Cracks without Efflorescence {use 3 inch width X length}	Top: 0.0	Top: 0.0	Top: 0.0	Top: 0.0
	Bottom: 16.0	Bottom: 0.0	Bottom: 0.0	Bottom: 0.0
Map Cracking with Efflorescence {use full area}	Top:	Top:	Top:	Top:
	Bottom: 40.0	Bottom: 0.0	Bottom: 0.0	Bottom: 0.0
Map Cracking without Efflorescence {use 50% area}	Top: 1/2 Area 0.0 0.0	Top: 1/2 Area 0.0 0.0	Top: 1/2 Area 0.0 0.0	Top: 1/2 Area 0.0 0.0
	Bottom: 1/2 Area 0.0 10.0	Bottom: 1/2 Area 0.0 0.0	Bottom: 1/2 Area 0.0 0.0	Bottom: 1/2 Area 0.0 0.0
Honeycomb Area {only areas more than 1 1/2 inches deep}	Top:	Top:	Top:	Top:
	Bottom: 0.0	Bottom: 0.0	Bottom: 0.0	Bottom: 0.0
Totals:	157			
% Surface Scaling {up to 1/2 inch deep} on Top	Top: 0.0	Top: #DIV/0!	Top: #DIV/0!	Top: #DIV/0!
% Spalled & Delaminated on Top	Top: 0.0	Top: #DIV/0!	Top: #DIV/0!	Top: #DIV/0!
% Deterioration on Bottom	Bottom: 34.7	Bottom: #DIV/0!	Bottom: #DIV/0!	Bottom: #DIV/0!
Span Area	453.0	0.0	0.0	0.0

Prepared By: AREA 3

DATE PREPARED
5-28-02
DATE CHECKED

PREPARED BY
Trotter
CHECKED BY

State of Connecticut
Department of Transportation
Bureau of Engineering & Highway Operations
DES-003 REV 1-93
(302-06-0225)
COMPUTATION SHEET

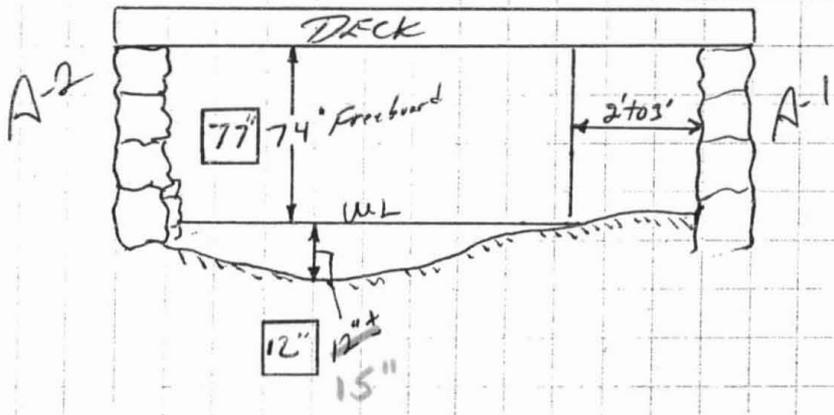
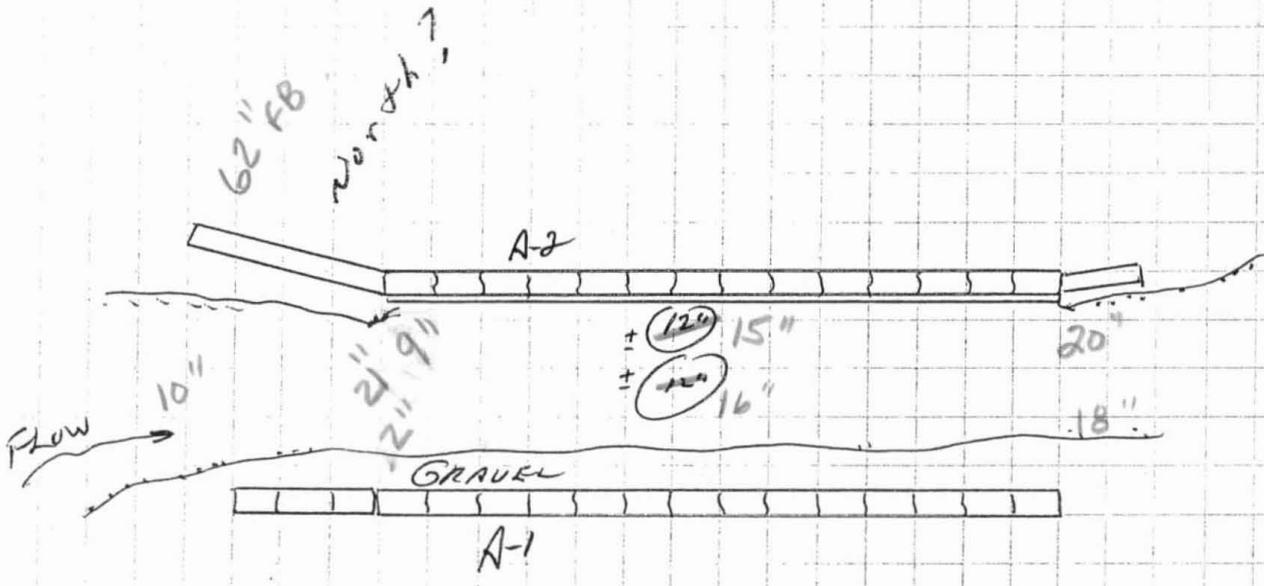
ORGANIZATION UNIT NO.
1317

WORK ORDER NO.
SHEET NO.

SUBJECT:

BL 2507 RT #2 - 05 BROOK, EAST HADDAM

Channel Profiles Notes



3/28/07

<input type="checkbox"/>	2/24/05	
	3/28/07	T-3
NO.	DATE	DESCRIPTION
REVISIONS		

DATE PREPARED

3/28/07

DATE CHECKED

PREPARED BY

TEAM 3

CHECKED BY

State of Connecticut
Department of Transportation
Bureau of Engineering & Highway Operations
DES-003 REV 1-93
(302-06-0225)
COMPUTATION SHEET

ORGANIZATION UNIT NO.

1307

WORK ORDER NO.

SHEET NO.

SUBJECT:

BAL# 02507 EAST HADDAM 27K 82-0- BROOK.

PLAN VIEW - U-SIDE

A-2



RANDOM AREAS
OF MEDIUM
SCALE.

HA POTENTIAL
1sq'

SPALL WITH EXP REBAR
60" X 24" X 2" DEEP
LAM RUST ON REBAR
HOLLOW AROUND EDGES -
SPALL WITH EXP REBAR
27" X 12" X 2" DEEP

CRACKS WITH EFFLO

HOLLOW AREA
WITH HVY EFFLO
AND CANDLES
2' WIDE X 8' LONG

HOLLOW AREA
6' X 2'

SSP WITH EXP REBAR
18" X 20" X 1 1/2" DEEP A-1

SPALL WITH EXP REBAR
30" X 20" X 4" DEEP
WITH 50% SECTION LOSS
ON REBAR.



= CONCRETE PATCHED AREAS

WTS

Bridge No.	02507	Inspected by:	D. WILLIS
Town:	EAST HADDAM	Inspected by:	T. KAHAK
Feature Carried:	ROUTE - 82	Date Inspected:	3/28/07
Feature Crossed:	BROOK	Project No.:	



Photo # 1: WEST APPROACH.



Photo # 2: EAST APPROACH.

Bridge No.	02507	Inspected by:	D. WILLIS
Town:	EAST HADDAM	Inspected by:	T. KAHAK
Feature Carried:	ROUTE - 82	Date Inspected:	3/28/07
Feature Crossed:	BROOK	Project No.:	

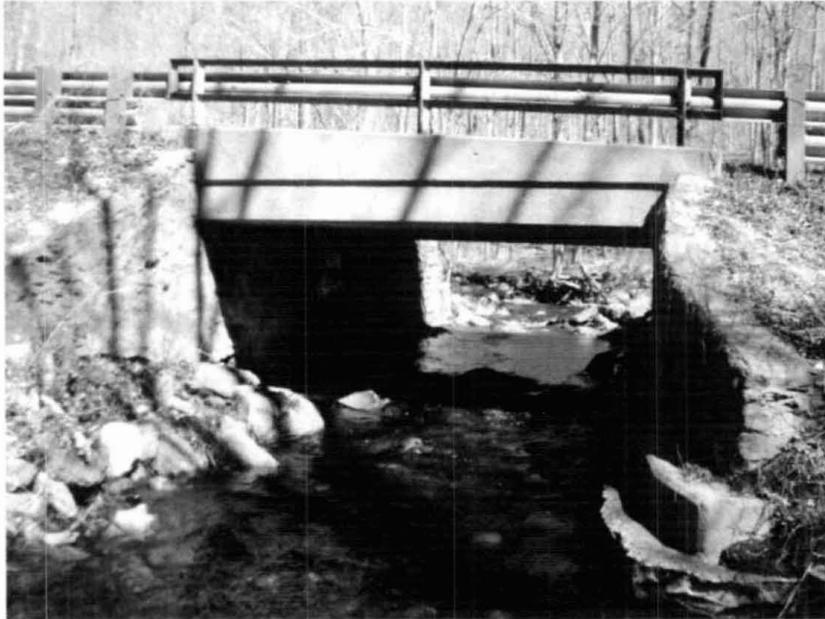


Photo # 3: SOUTH ELEVATION.



Photo # 4: NORTH ELEVATION.

Bridge No.	02507	Inspected by:	D. WILLIS
Town:	EAST HADDAM	Inspected by:	T. KAHAK
Feature Carried:	ROUTE - 82	Date Inspected:	3/28/07
Feature Crossed:	BROOK	Project No.:	



Photo # 5: WEARING SURFACE AND TYPICAL BRIDGE RAIL.



Photo # 6: SPALL 30 IN. X 20 IN. X 4 IN D. ± WITH EXPOSED REBAR WITH UPTO 50% SECTION LOSS IN UNDERSIDE 6 FT. FROM SOUTH END.

Bridge No.	02507	Inspected by:	D. WILLIS
Town:	EAST HADDAM	Inspected by:	T. KAHAK
Feature Carried:	ROUTE - 82	Date Inspected:	3/28/07
Feature Crossed:	BROOK	Project No.:	



Photo # 7: NORTH END OF UNDERSIDE WITH CRACKS, HEAVY EFFLO., HOLLOW AREAS AND CANDLES.

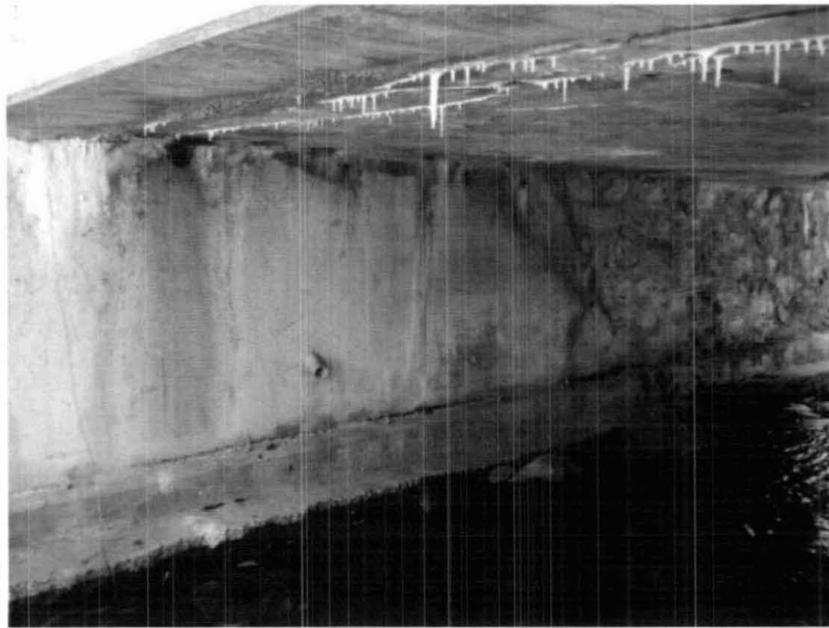


Photo # 8: ABUTMENT # 2 WITH SAND BAGS AT FACE OF SCOUR WALL SCOURED AWAY. NO UNDERMINING AT THIS INSPECTION.

Bridge No.	02507	Inspected by:	D. WILLIS
Town:	EAST HADDAM	Inspected by:	T. KAHAK
Feature Carried:	ROUTE - 82	Date Inspected:	3/28/07
Feature Crossed:	BROOK	Project No.:	



Photo # 9: ABUTMENT # 1.

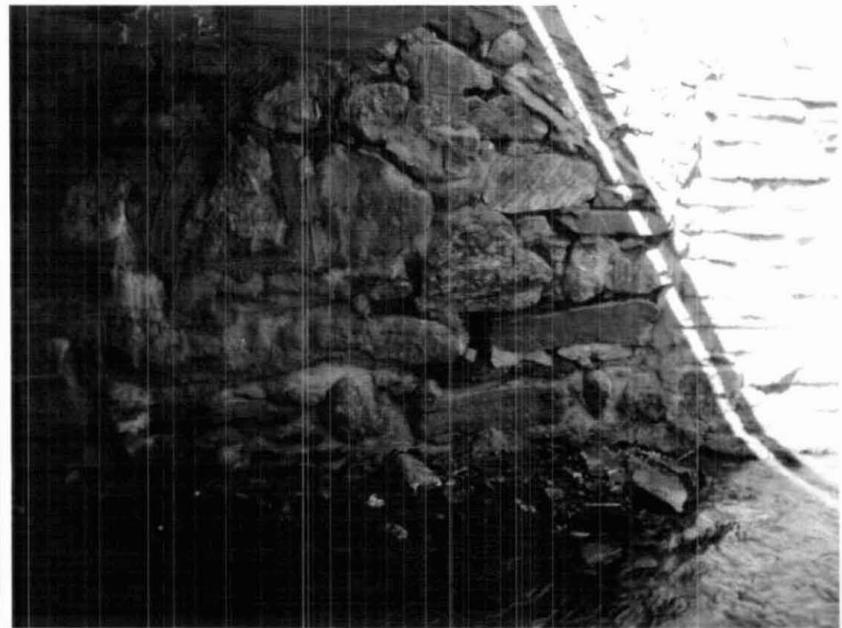


Photo # 10: NORTH END OF ABUTMENT # 1 WITH STONE VOIDS.

Bridge No.	02507	Inspected by:	D. WILLIS
Town:	EAST HADDAM	Inspected by:	T. KAHAK
Feature Carried:	ROUTE - 82	Date Inspected:	3/28/07
Feature Crossed:	BROOK	Project No.:	



Photo # 11: SOUTH END OF UNDERSIDE WITH MULTIPLE SHALLOW SPALLS WITH EXPOSED REBAR.

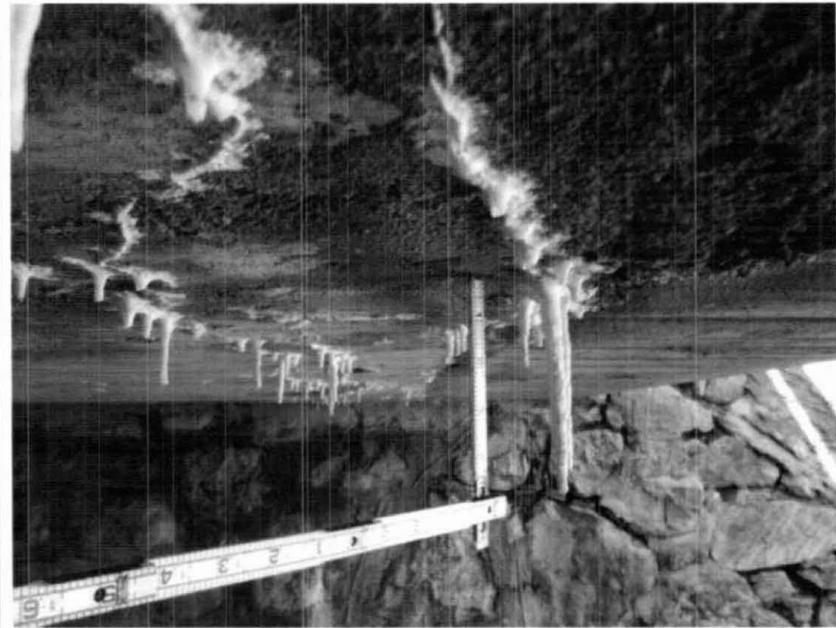


Photo # 12: NORTH END OF UNDERSIDE SHOWING HEAVY EFFLO. AND 6 IN. ± CANDLES.

Bridge No.	02507	Inspected by:	D. WILLIS
Town:	EAST HADDAM	Inspected by:	T. KAHAK
Feature Carried:	ROUTE - 82	Date Inspected:	3/28/07
Feature Crossed:	BROOK	Project No.:	



Photo # 13: DOWNSTREAM VIEW.



Photo # 14: UPSTREAM VIEW.

Structure Inventory and Appraisal Sheet (English Units)

Bridge Key: 02507

Agency ID: 02507

Sufficiency Rating: 82.0

IDENTIFICATION

State 1: 09 Connecticut Struc Num 8: 02507
 Facility Carried 7: ROUTE 82 Location 9: .66 MI WEST OF LYME TL
 Rte.(On/Under)5A: Route On Structure Rte. Signing Prefix 5B: 3 State Hwy
 Level of Service 5C: 1 Mainline Rte. Number 5D: 00082
 Directional Suffix 5E: 0 N/A (NBI) % Responsibility : 0
 SHD District 2: 02 County Code 3: Middlesex
 Place Code 4: EAST HADDAM Mile Post 11: 8.279 mi
 Feature Intersected 6: BROOK
 Latitude 16: 41d 25' 54" Longitude 17: 072d 24' 24"
 Border Bridge Code 98: Unknown (P)
 Border Bridge Number 99: NA

INSPECTION

Frequency 91: 24 months Inspection Date 90: 3/28/2007 Next Inspection: 03/28/2009
 FC Frequency 92A: NA FC Inspection Date 93A: NA Next FC Inspection: NA
 UW Frequency 92B: NA UW Inspection Date 93B: NA Next UW Inspection: NA
 SI Frequency 92C: NA SI Date 93C: NA Next SI: NA
 Element Frequency: 24 months Element Inspection Date: 03/28/2007 Next Elem. Insp. Due: 03/28/2009

CLASSIFICATION

Defense Highway 100: 0 Not a STRAHNET hwy Parallel Structure 101: No || bridge exists
 Direction of Traffic 102: 2 2-way traffic Temporary Structure 103: Unknown (NBI)
 Highway System 104: 0 Not on NHS NBIS Length 112: Too Short
 Toll Facility 20: 3 On free road Functional Class 26: 06 Rural Minor Arterial
 Historical Significance 37: 5 Not eligible for NRHP
 Owner 22: 1 State Highway Agency
 Custodian 21: 1 State Highway Agency

STRUCTURE TYPE AND MATERIALS

Number of Approach Spans 46: 0 Number of Spans Main Unit 45: 1
 Main Span Material/Design 43A/B:
 1 Concrete 01 Slab
 Deck Type 107: 1 Concrete-Cast-in-Place
 Wearing Surface 108A: 6 Bituminous
 Membrane 108B: 0 None
 Deck Protection 108C: None

CONDITION

Deck 58: 8 Very Good Super 59: 4 Poor Sub 60: 7 Good
 Culvert 62: N N/A (NBI) Channel/Channel Protection 61: 7 Minor Damage

AGE AND SERVICE

Year Built 27: 1924 Year Reconstructed 106: Unknown
 Type of Service on 42A: 1 Highway
 Type of Service under 42B: 5 Waterway
 Lanes on 28A: 2 Lanes Under 28B: 0 Detour Length 19: 24.9 mi
 ADT 29: 2,300 Truck ADT 109: 4 % Year of ADT 30: 1998

LOAD RATING AND POSTING

Inventory Rating Method 65: 5 No rating Operating Rating Method 63: 5 No rating
 Inventory Rating 66: HS19.8 Operating Rating 64: HS41.3
 Design Load 31: Unknown (NBI) Posting 70: 5 At/Above Legal Loads
 Posting status 41: A Open, no restriction

GEOMETRIC DATA

Length Max Span 48: 16.1 ft Structure Length 49: 16.1 ft
 Curb/Sdwik Width L 50A: 0.0 ft Curb/Sidewalk Width R 50B: 0.0 ft
 Width Curb to Curb 51: 25.9 ft Width Out to Out 52: 28.2 ft
 Approach Roadway Width 32: 23.0 ft Median 33: 0 No median (w/ shoulders)
 Deck Area: 452.1 sq. ft
 Skew 34: 0.00 ° Structure Flared 35: 0 No flare
 Minimum Vertical Clearance Over Bridge 53: 328.1 ft
 Minimum Vertical Underclearance Reference 54A: N Feature not hwy or RR
 Minimum Vertical Underclearance 54B: 0.0 ft
 Minimum Lateral Underclearance Reference R 55A: N Feature not hwy or RR
 Minimum Lateral Underclearance R 55: 327.8 ft
 Minimum Lateral Underclearance L 56: 0.0 ft

APPRAISAL

Bridge Rail 36A: 0 Substandard Approach Rail 36C: 1 Meets Standards
 Transition 36B: 1 Meets Standards Approach Rail Ends 36D: 1 Meets Standards
 Str. Evaluation 67: 6 Deck Geometry 68: 3 Intolerable - Correct
 Underclearance, Vertical and Horizontal 69: N Not applicable (NBI)
 Waterway Adequacy 71: 4 Tolerable Approach Alignment 72: 7 Above Min Criteria
 Scour Critical 113: 6 Calcs not made

PROPOSED IMPROVEMENTS

Bridge Cost 94: \$ 1,000 Type of Work 75: 38 Other Structural
 Roadway Cost 95: \$ 1,000 Length of Improvement 76: 0.3 ft
 Total Cost 96: \$ 2,000 Future ADT 114: 1,150
 Year of Cost Estimate 97: 2000 Year of Future ADT 115: 2019

NAVIGATION DATA

Navigation Control 38: 0 Permit Not Required
 Vertical Clearance 39: 0.0 ft Horizontal Clearance 40: 0.0 ft
 Pier Protection 111: Unknown (NBI) Lift Bridge Vertical Clearance 116:

ELEMENT CONDITION STATE DATA

Str Unit	Elm/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
UNIT0	39/3	Unp Conc Slab/AC Ovl	(SF)	452	100 %	452	0 %	0	0 %	0	0 %	0	0 %	0
UNIT0	217/3	Other Mtl Abutment	(LF)	56	0 %	0	100 %	56	0 %	0	0 %	0	0 %	0
UNIT0	330/3	Metal Rail Uncoated	(LF)	36	80 %	30	21 %	7	0 %	0	0 %	0	0 %	0