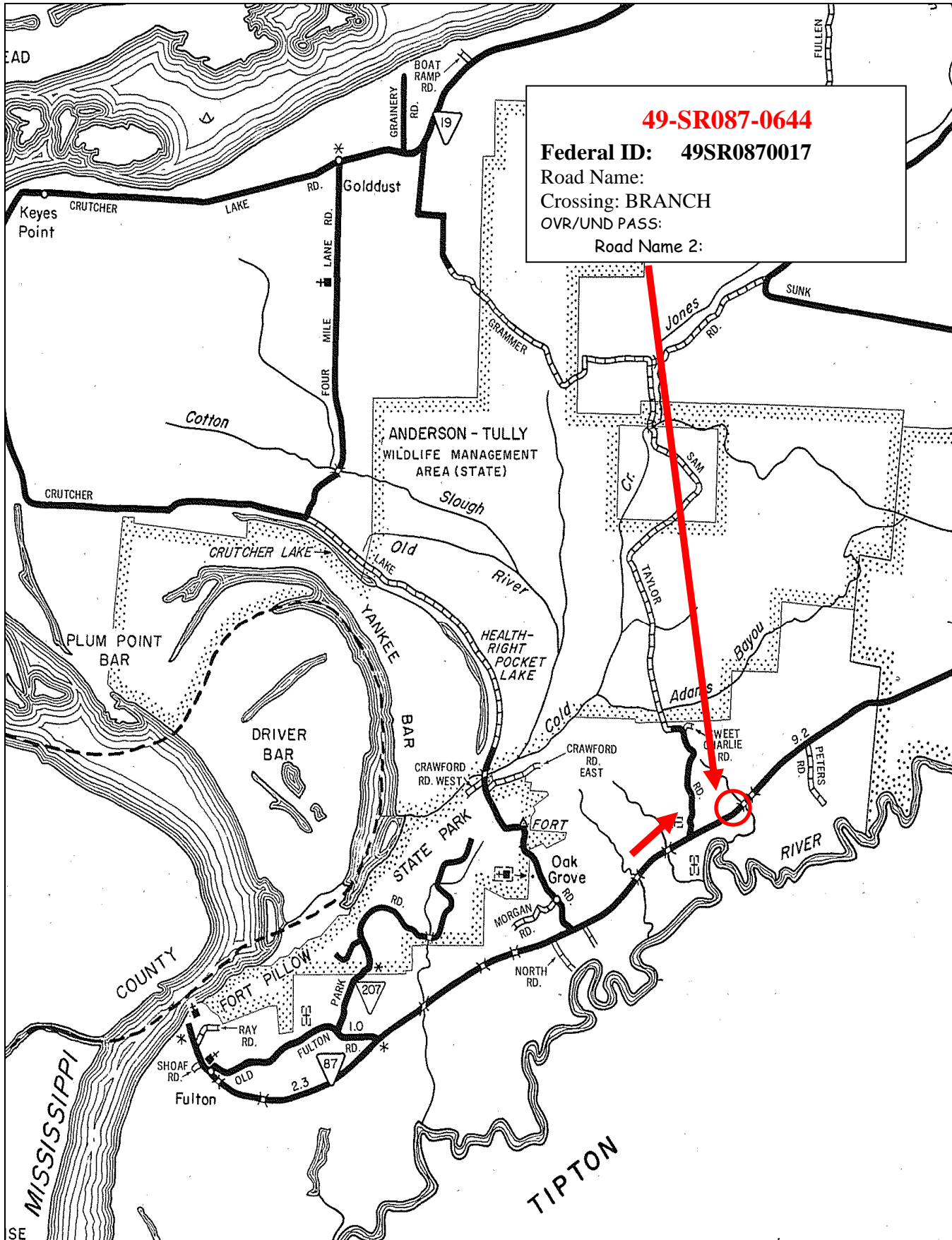


LAUDERDALE COUNTY



Performance Recommendations				IDOT	Page No. _____ Page 1 of 1
Bridge Location No.: 49 - SR087 - 0644		Bridge Number: 49SR0870017			
Co. Route Log Mile		Over/Under/Pass			
Crossing: BRANCH		Region: 04			
Road Name:		District: 49		Spec. Cas -0-	
Road Name #2:		Maint. Resp 02		Co. Seq: 01	
Bridge Rating: FAIR		County: LAUDERDALE			
Inspection Cycle: 26		City:			
Inspection Date: 11/18/2021		Pipes:			
G.P.S.:		Barrel @ 's Width			
N35 38.7233		Length			
W89 47.2850		Width			
Comments:		Maintenance Completed: by/date			
11-18-21 REPAIRS MADE TO ABUTMENT #1 CAP					
RECOMMENDATIONS:					
SUGGESTED ROUTINE MAINTENANCE:					
238	BRIDGERAILS ARE SUBSTANDARD				
001	LEVEL APPROACH NO. 1				
241	REPLACE PRECAST CONCRETE CHANNEL SLAB A & C IN SPAN NO. 3 Done 02/15/23				
167	REPAIR TIMBER BREASTWALL AT ABUTMENT NO. 2 Done 02/21/23				
228	APPROACH GUARDRAILS ARE SUBSTANDARD				
154	REPAIR WINGS AT ABUTMENT NO. 2, RT Done 02/21/23				
204	CUT VEGETATION				
COMMENTS: 1. Replaced channel slab A & C in span #3					
2. Repaired timber breastwall at abutment #2					
3. Repaired wingwall at abutment #2 right side. Completed					
H.B 02/21/23					

Bridge Loc. No: 49-SR087-06.44

Date: 2-21-2023



Wing wall at abutment #2 right side

ABUTMENT #2 Right wingwall

Bridge Loc. No: 49-SR087-06.44

Date: 2-21-2023



ABUTMENT #2 Breastwall

Bridge Loc. No: 49-SR087-06.44

Date: 2-21-2023



Span #3 Slab 'C' replaced

Bridge Loc. No: 49-SR087-06.44

Date: 2-21-2023



Span #3 Slab 'A' replaced

Bridge Loc. No: 49-SR087-06.44

Date: 2-21-2023



ABUTMENT #2 Right wingwall and Breastwall Repaired

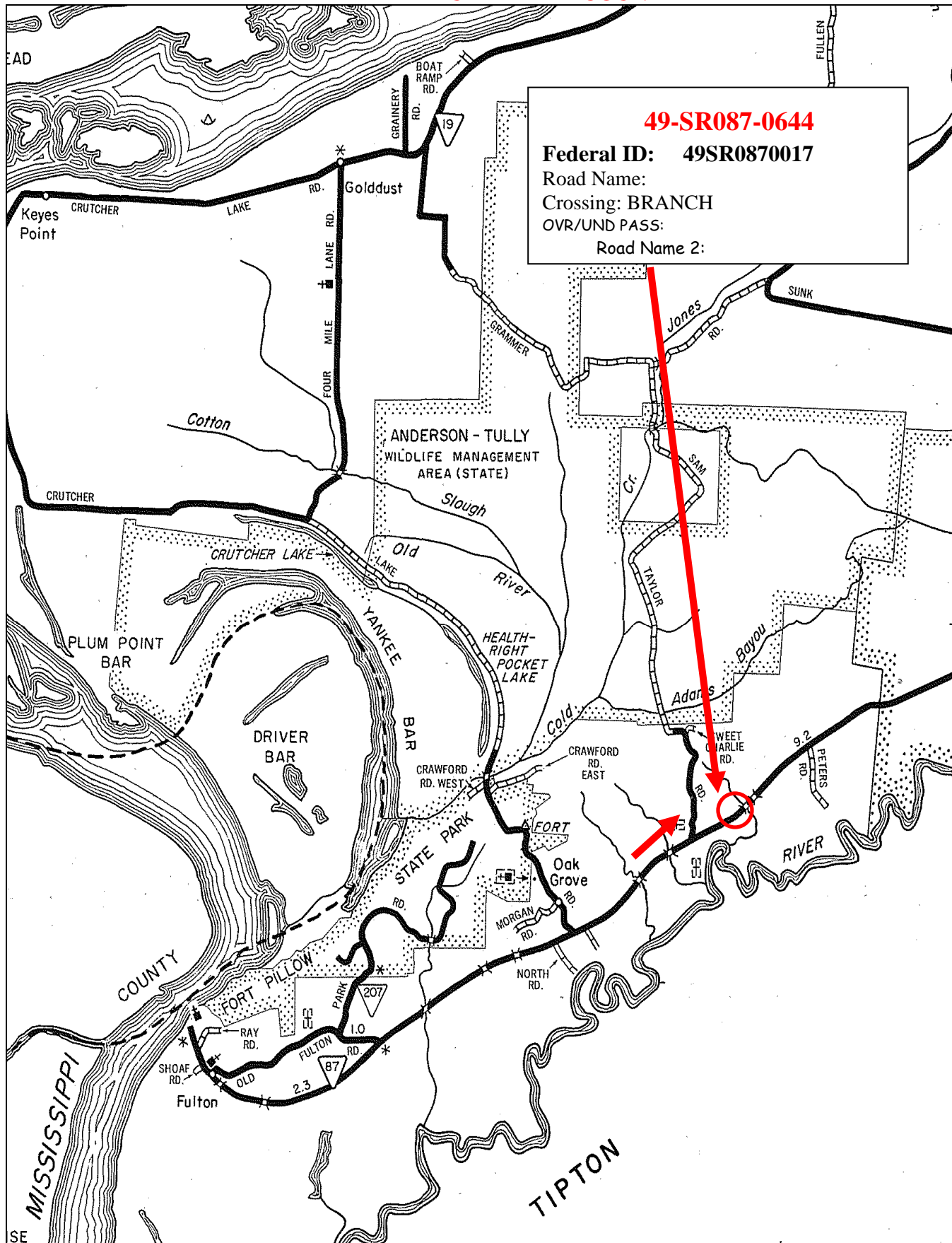
Bridge Loc. No: 49-SR087-06.44

Date: 2-21-2023



Span #3 Slabs 'A' and 'C' top

LAUDERDALE COUNTY



BRIDGE MAINTENANCE RECOMMENDATIONS



Tennessee Department
of Transportation

COUNTY: LAUDERDALE

LOCATION: 49-SR087-06.42-

CO. SEQ.: 1 SPEC. CASE: 0

CROSSING: BRANCH

FED. BRIDGE NO.: 49SR0870017

MAINT. DIST.: 49

REPAIR LIST NO.: 3

DATE ADDED: 05/02/2014

REVISED: 11/18/2021

FACILITY CARRIED:	FAS 87	NUMBER OF MAIN SPANS:	3
HIGHWAY SYSTEM:	05-STP RURAL, STATE	NUMBER OF APPROACH SPANS:	0
BRIDGE WIDTH (CURB TO CURB):	27 FT 10 IN	BRIDGE LENGTH (FT):	52
BRIDGE WIDTH (OUT TO OUT):	28 FT 10 IN	MAXIMUM SPAN LENGTH (FT):	17
APPROACH ROADWAY (W/SHOULDERS):	27 FT 10 IN	SKEW ANGLE (DEGREES):	90

MAINTAINED BY:	STATE HIGHWAY AGENCY
MAIN SPAN MATERIAL:	CONCRETE
MAIN SPAN DESIGN TYPE:	CHANNEL BEAM
APPROACH SPAN MATERIAL:	OTHER OR NOT APPLICABLE
APPROACH SPAN DESIGN TYPE:	OTHER OR NOT APPLICABLE

INSPECTION DATE:	11/18/2021	GENERAL CONDITION:	FAIR
EVALUATION DATE:	01/21/2020	STRUCTURALLY DEFICIENT:	YES
PPRM PIN NUMBER:			
H TRUCK RATING @ INV.:	16 TONS	SUFFICIENCY RATING:	49.7

SUGGESTED ROUTINE MAINTENANCE AND COMMENTS

REPAIR OR REPLACE PRECAST CONCRETE CHANNEL SLAB "A & C" IN SPAN NO.3

REPLACE BREASTWALL AT ABUTMENT NO.2

REPAIR RIGHT WINGWALL AT ABUTMENT NO.2

LEVEL THE WEARING SURFACE

LEVEL THE WEARING SURFACE AT APPROACH NO.1

APPROACH GUARDRAILS ARE SUBSTANDARD

BRIDGERAILS ARE SUBSTANDARD

GENERAL COMMENTS:

11-18-21 ABUTMENT #1 CAP HAS BEEN REPAIRED



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

Bridge Condition Coding Form

Revised 11/19/2021

Bridge Number:
(Includes Item 5A)
Feature Intersected:
Evaluation Status:

County:
Route:
Special Case:
County Sequence:
Log Mile:

CODE ONLY THOSE VALUES WHICH HAVE CHANGED

ITEM #	DESCRIPTION	VALUE	CONDITION CODING GUIDELINES
90	LAST INSPECTION DATE	<input type="text" value="11/18/2021"/>	(Values for Coding Items 58, 59, 60 and 62)
	EARLIEST DATE OF NEXT REGULAR INSPECTION	<input type="text" value="09/19/2023"/>	
		<input type="text" value="/ /"/>	N NOT APPLICABLE
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	99 FT. <input type="text"/> IN.	9 EXCELLENT CONDITION
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	99 FT. <input type="text"/> IN.	8 VERY GOOD CONDITION - NO PROBLEMS NOTED.
36	TRAFFIC SAFETY FEATURES		7 GOOD CONDITION - SOME MINOR PROBLEMS.
	Br. Rail Trans. Appr. Rail Terminal SPEED LIMIT		6 SATISFACTORY CONDITION - MINOR DETERIORATION OF STRUCTURAL ELEMENTS.
	0 0 0 1 55		5 FAIR CONDITION - ALL PRIMARY STRUCTURAL ELEMENTS ARE SOUND BUT MAY HAVE MINOR SECTION LOSS, CRACKING, SPALLING OR SCOUR.
41	STRC OPEN/CLOSED/POSTED	P	4 POOR CONDITION - ADVANCED SECTION LOSS, DETERIORATION, SPALLING OR SCOUR.
	A K P	<input type="text"/>	3 SERIOUS CONDITION - LOSS OF SECTION, DETERIORATION, SPALLING OR SCOUR HAVE SERIOUSLY AFFECTED PRIMARY STRUCTURAL COMPONENTS. LOCAL FAILURES ARE POSSIBLE. FATIGUE CRACKS IN STEEL OR SHEAR CRACKS IN CONCRETE MAY BE PRESENT.
58	DECK	5	2 CRITICAL CONDITION - ADVANCED DETERIORATION OF PRIMARY STRUCTURAL ELEMENTS. FATIGUE CRACKS IN STEEL OR SHEAR CRACKS IN CONCRETE MAY BE PRESENT OR SCOUR MAY HAVE REMOVED SUBSTRUCTURE SUPPORT. UNLESS CLOSELY MONITORED IT MAY BE NECESSARY TO CLOSE THE BRIDGE UNTIL CORRECTIVE ACTION IS TAKEN.
59	SUPERSTRUCTURE	5	1 "IMMINENT" FAILURE CONDITION - MAJOR DETERIORATION OR SECTION LOSS PRESENT IN CRITICAL STRUCTURAL COMPONENTS OR OBVIOUS VERTICAL OR HORIZONTAL MOVEMENT AFFECTING STRUCTURAL STABILITY. BRIDGE IS CLOSED TO TRAFFIC BUT CORRECTIVE ACTION MAY PUT IT BACK IN LIGHT SERVICE.
60	SUBSTRUCTURE	6	0 FAILED CONDITION - OUT OF SERVICE AND BEYOND CORRECTIVE ACTION.
61	CHANL/CHANL PROTECTION	6	
62	CULVERT AND RETAIN WALL	N	
71	WATERWAY ADEQUACY	6	
72	APPROACH RDWY ALIGNMENT	8	
521	OVERALL CONDITION	FAIR	
16	LATITUDE	17 LONGITUDE	
	N 35° 38.7233'	W 89° 47.2850'	
	<input type="text"/>	<input type="text"/>	
		<input type="text" value="/ /"/>	
	TEAM LEADER SIGNATURE	REVIEW DATE	

Bridge Loc. No: 49 - SR087 - 06.44 Date: 11-18-21



BRIDGE NO.



APPROACH #1 WITH 40 TON/40 TON WEIGHT LIMIT SIGN

Bridge Loc. No: 49 - SR087 - 06.44 Date: 11-18-21



LOOKING AHEAD ON ROUTE



APPROACH #1 ASPHALT SETTLED

Bridge Loc. No: 49 - SR087 - 06.44 Date: 11-18-21



VIEW ACROSS TOP OF DECK



LOOKING RIGHT FROM TOP OF BRIDGE

Bridge Loc. No: 49 - SR087 - 06.44 Date: 11-18-21



LOOKING LEFT FROM TOP OF BRIDGE



LOOKING BACK ON ROUTE

Bridge Loc. No: 49 - SR087 - 06.44 Date: 11-18-21



APPROACH #2 WITH 40 TON /40 TON WEIGHT LIMIT SIGN



BENT #1, FRONT SIDE

Bridge Loc. No: 49 - SR087 - 06.44 Date: 11-18-21



ABUTMENT #1



SPAN #1, BOTTOM OF DECK

Bridge Loc. No: 49 - SR087 - 06.44 Date: 11-18-21



SPAN #2, SLAB "B" CRACKED



SPAN #2, BOTTOM OF DECK

Bridge Loc. No: 49 - SR087 - 06.44 Date: 11-18-21



BENT #2, FRONT SIDE



SPAN #3, SLAB "C" SPALLED TO STEEL

Bridge Loc. No: 49 - SR087 - 06.44 Date: 11-18-21



SPAN #3, SLAB "A" SPALLED TO STEEL



ABUTMENT #2

Bridge Loc. No: 49 - SR087 - 06.44 Date: 11-18-21



BENT #1, REAR SIDE



ABUTMENT #1, PILE "I" SPLICED

Bridge Loc. No: 49 - SR087 - 06.44 Date: 11-18-21



ALIGNMENT AT FRONT SIDE OF BENT #1, CAP "B"



SPAN #2, SLAB "B" SPALLING

NOV 18 2021

BRIDGE INSPECTION REPORT

Form BIR 3.0
(Rev. 9-22-98)
DT-0069

Field Report No.: 26 Date: 11/18/21
Previous Report No.: 25 Date: 1/6/20
Co. Seq 01 Plans: YES () NO ()

Bridge No. 49SR0870017 Bridge Location No. 49 - SR087 - 0644
Eleven Digit No. Co. Route Log Mile OVER/UNDER PASS

BRANCH
Road Name Feature Intersected CITY
Year Constructed 1925 County Lauderdale Maint. Dist: 49 Maint. Resp: 02
Year Widened Year Rehabilitated

FEATURES

Wearing Surface Concrete () Timber () Asphalt (y) Depth 4" (in.)
Flared Width Yes () No (y) Median Width Open () None (x) Closed ()
Navigational Control Yes () No (y) Bridge Skew 90 ° LT () RT ()
Structure Type (Main Span) P. C. C. S.
Structure Type (Appr. Spans)
No. Main Spans 3 No. Approach Spans
Maximum Span Length 17.0 (**. * ft.)
Total Length 51.0 (**. * ft.)

Structure Name (If Named)

INSPECTORS

1. Ellise Tal
2. Wood
3. Caughlin
4. Seger
5. McNeal
6.
7.
8.

WIDTHS (*. * ft.)

Deck Out-to-Out 28.8
Roadway Curb/Curb 27.3
Roadway Rail/Rail
Sidewalk Rt. Lt.
*Approach Roadway 20.0
*(Does Not Include Shoulders)
Approach Shoulder Rt. 3.0
Lt. 3.0

CLEARANCES

Min. Vertical Clearance over Deck (ft.-in.)
Min. Vertical Under Clearance (ft.-in.)
Min. Lateral Under Clearance Rt. (*. * ft.)
Min. Lateral Under Clearance Lt. (*. * ft.)

FRACTURE CRITICAL:
(If Yes, Include BIR 3.9)

NBIS Bridge Length (<25 ft.) (ft.-in.)

UNDERWATER INSPECTION

To Be Performed By: Date

DOT FIELD TEAM () CONTRACT DIVERS () NONE REQUIRED (x)

Change in Structural Condition: Yes (x) No () Major Repairs Made: Yes (x) No ()

COMMENTS:

Repairs Made to Abut #1 CAP'S

LATITUDE: N35 ° 38.7233 '

LONGITUDE: W89 ° 47.2850 '

G.P.S. Location

BRIDGE RATING: () (X) () ()

GOOD FAIR POOR CRITICAL

Supervising Bridge Inspector: [Signature]

NOV 18 2021

Form BIR 3.1

(Rev. 9-22-98)

DT-0080

Bridge Location No. 49 - SR087 - 6.44

Co. Route Log Mile

Date

PERFORMANCE EVALUATION

Time of Day Inspected 9:45

Weather Conditions Clear 45°

Vehicles Observed

All types

LIVE LOAD BEHAVIOR

Substructure

YES NO

Comments

Horiz./ Vert. Defl.

() (X)

Vibration

() (X)

Superstructure

Horiz./ Vert. Defl.

() (X)

Vibration

() (X)

APPROACH

Rating

Comments

Alignment

G F P C

Slab

G F P C

Joints

G F P C

Pavement

G F P C

Embankment

G F P C

Drains

G F P C

Approach A/c settled up to 2 1/2" (001)

TRAFFIC SAFETY FEATURES

Rating

STANDARD/ SUB-STANDARD

Comments

Bridgerailing

G F P C

() (X)

Transitions

G F P C

() ()

Guardrail

G F P C

() (X)

Guardrail Terminal

G F P C

(X) ()

SIGNING

YES NO NEEDED

Weight Limit Posted

Paddleboards

(X) () ()

YES (X) NO ()

Vertical Clearance (<14'-6")

() (X) ()

Gross..... Tons

NARROW ()

() (X) ()

2 Axle..... 40 Tons

ONE LANE BRIDGE ()

() (X) ()

3 or more Axles.. 40 Tons

Other Signs or Plaques:

Comments Regarding any
Problems with Signing:

NOV 18 2021

Form BIR 3.2
(Rev. 9-22-98)
DT-0081

Bridge Location No. 49 - SR087 - 0644
Co. Route Log Mile

Date _____

DECK

	Rating				Comments
Wearing Surface	G	<u>F</u>	P	C	
Deck - Structural Condition	G	F	P	C	
Curbs	G	<u>F</u>	P	C	
Median	G	F	P	C	
Sidewalks	G	F	P	C	
Parapet	G	F	P	C	
Railing	G	F	P	C	
Paint	G	F	P	C	
Drains	G	F	<u>P</u>	C	
Lighting Standards	G	F	P	C	
Utilities	G	F	P	C	
Joint Leakage	G	F	P	C	
Expansion Joints	G	F	P	C	

SUPERSTRUCTURE

Bearing Devices	G	F	P	C	
Beams	G	F	P	C	
Girders	G	F	P	C	
P C C S	G	F	<u>P</u>	C	Span* 3 A+C (241)
BOLTS (PCCS)	<u>G</u>	F	P	C	
Floor Beams	G	F	P	C	
Stringers	G	F	P	C	
Diaphragms	G	F	P	C	
Bracing	G	F	P	C	
Trusses - General	G	F	P	C	
Portals	G	F	P	C	
Bracing	G	F	P	C	
Paint	G	F	P	C	
Alignment of Members	<u>G</u>	F	P	C	

TEXTURE COAT

Condition Rating	G	F	P	C	X	Fading	G	F	P	C	X
Overall Appearance	G	F	P	C		Needs Spot Painting	YES () NO ()				
Staining Rating	G	F	P	C		Needs Repainting	YES () NO ()				
Comments _____						Scaling Rating	G	F	P	C	
RECOMMENDATIONS: _____						CLEAN SEAL JOINTS ()					
_____						CLEAN DRAINS ()					

Form BIR 3.3

(Rev. 9-22-98)

DT-0082

Bridge Location No. 49 - SR087 - 6.44

Co. Route Log Mile

NOV 18 2021

Date _____

SUBSTRUCTURE

PILES TO BE
REPLACED

ABUTMENTS

	Rating	Comments	PILE(S)	ABUTMENT
Caps	G <u>F</u> P C			
Breastwall	G <u>F</u> <u>P</u> C	Abut#2 (147)		
Wings	G F <u>P</u> C	Abut#2 Rt wing (154)		
Backwall	G F P C			
Plumb	G <u>F</u> P C			
Footing	G F P C			
Piles	G <u>F</u> P C			
Embankment	<u>G</u> F P C			
Bearing	G F P C			
Slope Paving	G F P C			
Rip Rap	G <u>F</u> P C			
Earthquake Devices	G F P C			

PIERS

		PILE(S)	PIER
Caps	G F P C		
Columns	G F P C		
Plumb	G F P C		
Footings	G F P C		
Piles	G F P C		
Bearing	G F P C		
Web	G F P C		
Earthquake Devices	G F P C		

BENTS

		PILE(S)	BENT
Caps	G <u>F</u> P C		
Columns	G F P C		
Plumb	G <u>F</u> P C		
Footings	<u>G</u> F P C		
Piles	G <u>F</u> P C		
Bearing	G F P C		
Bracing	G <u>F</u> P C		
Earthquake Devices	G F P C		

Piles Need Replacement: NO (X) YES ()

CUT VEGETATION NO () YES (X) (204)

CLEAR DRIFT NO (X) YES ()

RECOMMENDATIONS:

NOV 18 2021

Form BIR 3.8
(Rev. 9-22-98)
DT-1508

Bridge Location No. 49 - SR087 - 0644
Co. Route Log Mile

Date _____

STREAM CHANNEL DATA AND CONDITIONS

Stream Crossing: BRANCH

- I. 1. Type of bed material? SAND, SILT
2. Has channel shifted? YES () NO (☒) NOT APPARENT ()
3. Condition of rip-rap? G ☒ F P C Est. % failed _____ % N/A ()
4. Overall condition of channel? G ☒ F P C
5. Item 61 - Code values 0 thru 9 according to the recording
and coding guide currently in effect: 6
6. Underwater diver inspection recommended? YES () NO (☒)
If yes, why? _____

II. Channel and bank stability conditions: (check if applicable)

1. Steep bank conditions: - Failures upstream () Failures downstream ()
2. Moderate bank erosion (☒)
3. Bank vegetation: a. low growth () b. large timber (☒) c. clear banks ()
d. dead trees upstream (☒) e. dead trees downstream (☒)
4. Sediment or gravel accumulation: YES (☒) NO () UNKNOWN ()
5. Channel altered or straightened: YES () NO (☒) UNKNOWN ()
6. Stable conditions: a. live growth (☒) b. bedrock ()
c. boulders () d. flat slopes ($\leq 2:1$) ()

III. Waterway adequacy and debris characteristics: (check if applicable)

1. Bridge deck elevations:
a. level with approach roadway. (☒)
b. higher than approach roadway. ()
c. roadway approach ≥ 2 ft. above natural ground line. (☒)
2. Abutment encroaches into channel. ()
3. Large scour (blowhole) under bridge. ()
4. Indications that flood waters overtop bridge:
NO () YES (☒) OCASSIONALLY (☒) FREQUENTLY () UNKNOWN ()
5. Debris characteristics:
a. debris/drift present YES (☒) NO ()
b. debris/drift likely to accumulate YES (☒) NO ()
c. dead trees upstream (☒) dead trees downstream (☒)

IV. Comments: _____

SPECIAL INSPECTION DATA - FOR REASONS OTHER THAN FC OR SCOUR

I. Does this bridge need a special inspection? YES () NO (☒)

II. Reason for special inspection: _____

Inspection Team's Summary

Bridge Location No. 49 -SR087 - 06.44

Inspection Date 11-18-2021

Bridge Rating FAIR

This is a 3 span P.C.C.S. bridge with approach rails, bridge rails, 3 paddleboard signs & 40/40 ton weight limit signs posted on approach #1 & #2.

The superstructure is concrete & the substructure is timber.

Approach #1 asphalt is settled up to 2 1/2".

Approach #2 asphalt has fine cracks.

The asphalt wearing surface has fine cracks.

The superstructure has spalling to steel up to 1/16" cracks with efflorescence stains.

The substructure has medium weathering & decay.

Abutment #2 breast wall & right wing is poor, decayed

Vegetation is poor.

Scour is fair at this time.

Jason Ellison

INSPECTOR

CROSS SECTION: YES (X) NO () BRM: YES (X) NO ()

No change

NOV 18 2021

GROUND ELEVATIONS

FEDERAL NUMBER ----- 49SR0870017

BRIDGE NO. ----- 49-SR087-06.44

DATE : 11/17/2000
N/C 7/7/08

CROSSING ----- BRANCH

N/C 11/18/21

NUMBER OF PIERS ----- 2

LOCATION OF PIERS ----- 17, 34

BENCH MARK ELEV. ----- 105.8

INSPECTORS
BOMAR'S CREW

BENCH MARK LOC. ---- TOP CAP RT. A-1

WATER ELEVATION -----

DISTANCE OF 0.00 = TOP OF BANK APPROACH 1 SIDE

DISTANCE AND ELEVATIONS ARE IN STANDARD MEASUREMENT

UPSTREAM GROUND ELEVATION @ EDGE OF BRIDGE

11/17/2000	
Distance from B.M.	Elevation
0	101.1
4	93.4
17	87
25	84.8
34	86.4
47	94.3
51	101.1

NOV 18 2021

BRIDGE NO. -----

49-SR087-06.44

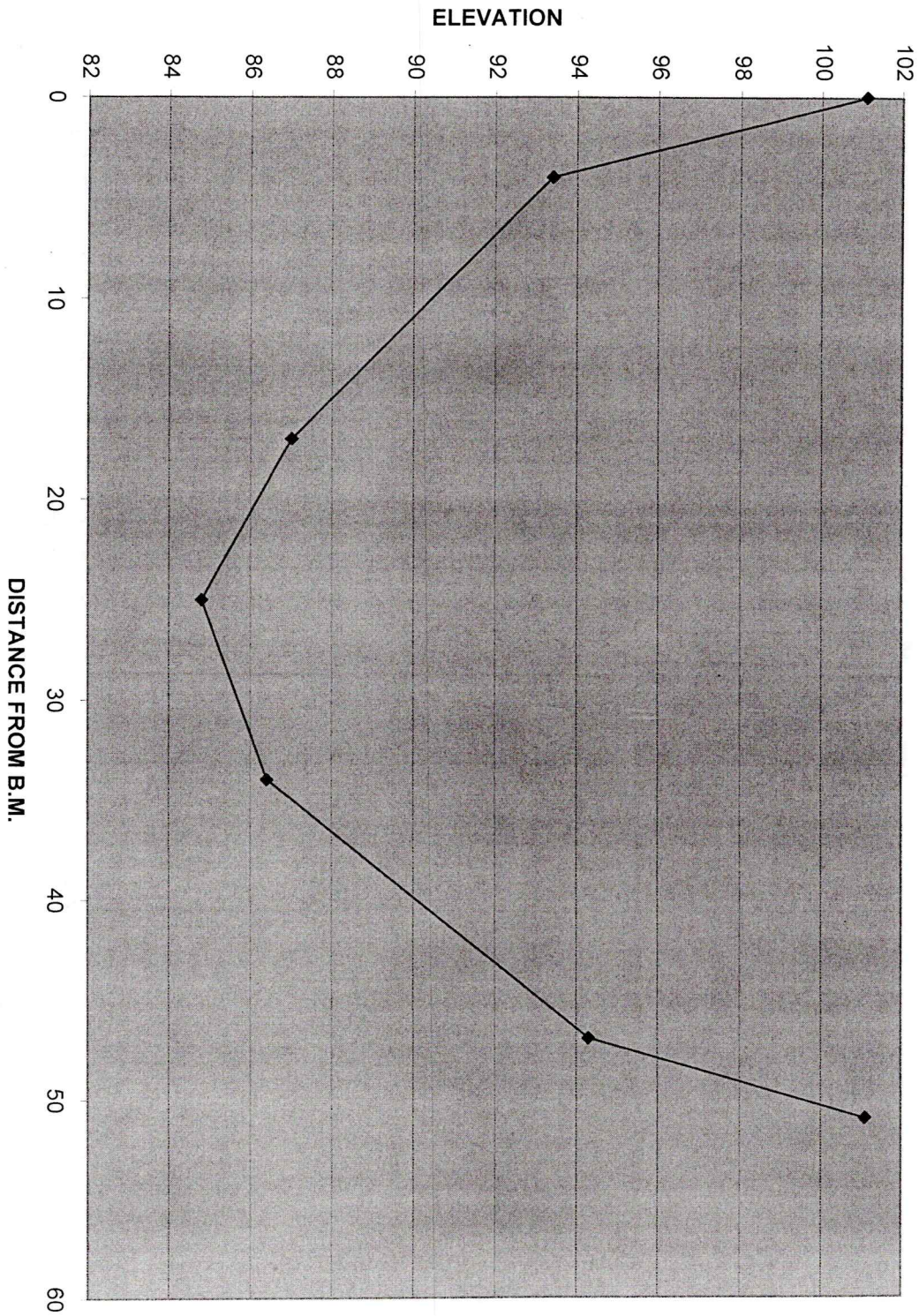
DATE : 11/17/2000

DOWNSTREAM GROUND ELEVATION @ EDGE OF BRIDGE

11/17/2000	
Distance from B.M.	Elevation
0	101.1
4	94.2
17	87.8
25	84.5
34	87.7
47	94.5
51	101.1

NOV 18 2021

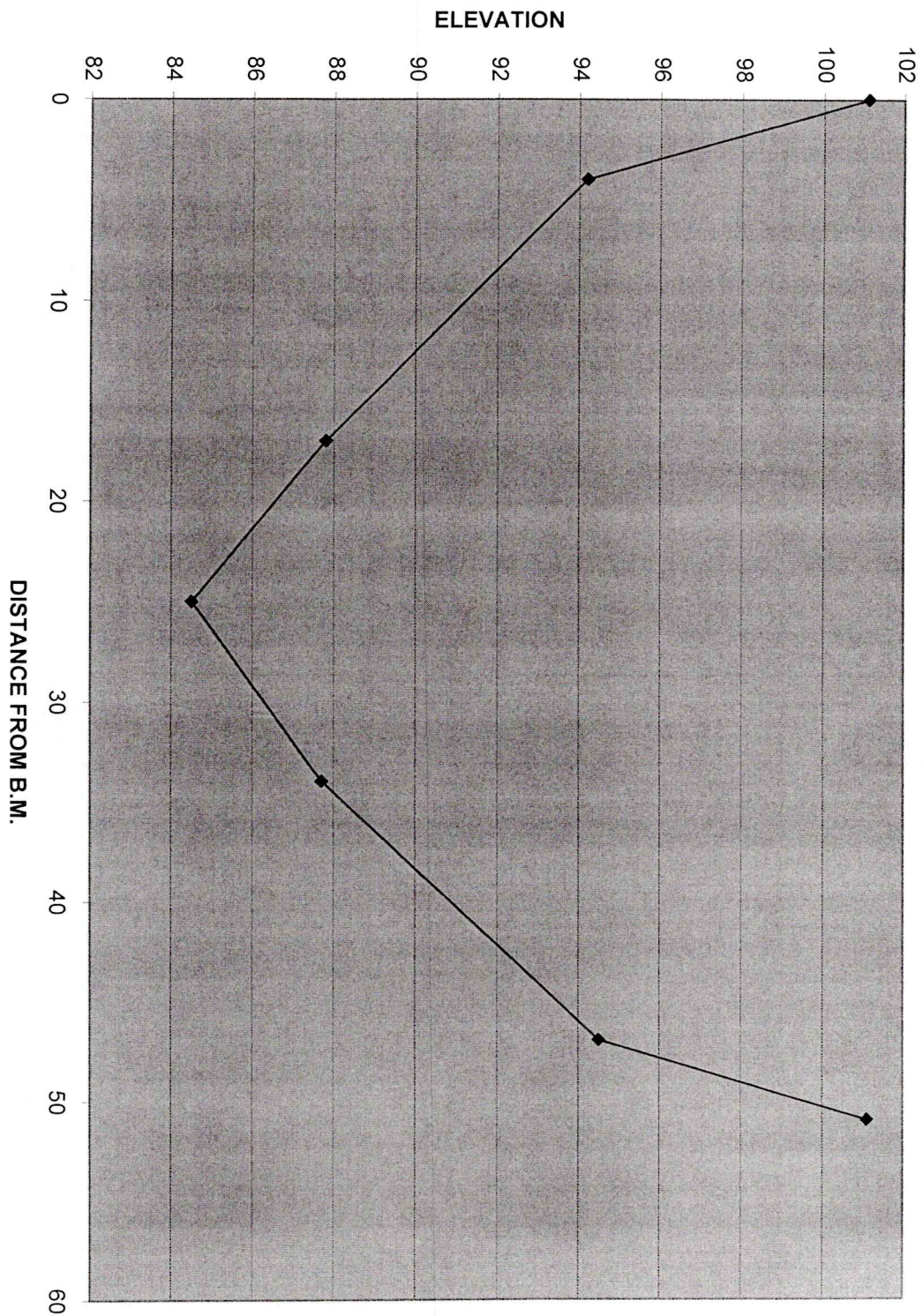
49SR0870017 UPSTREAM D.L.



—◆— 11/17/2000
N/C 7/7/08

NOV 18 2021

49SR0870017 DOWNSTREAM D.L.



—◆— 11/17/2000

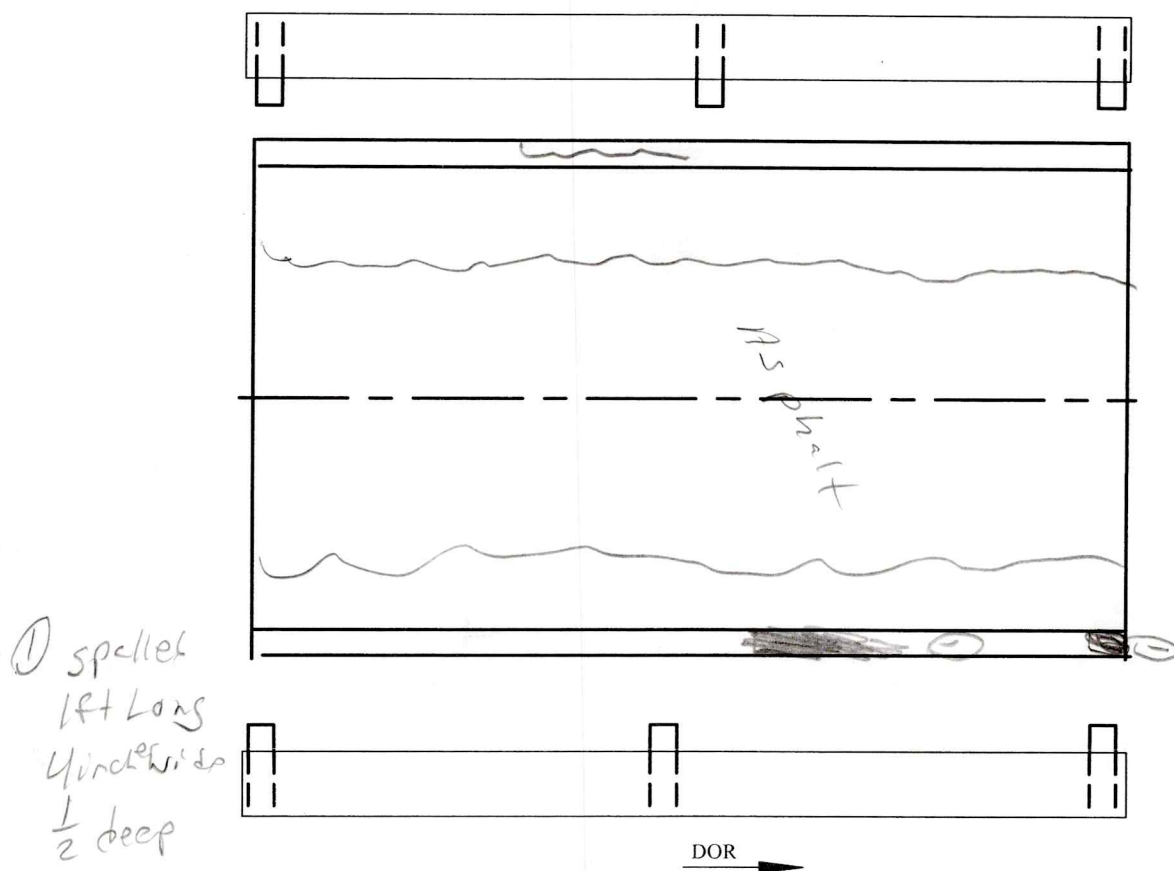
N/C 7/7/08

NOV 18 2021

Bridge No. 49 - SR087 - 0644

Skew 90

SPAN. NO. 1



ELEMENT	RATING	COMMENT
TOP DECK	G (F) P C	Fine Cracks
CURBS	G (F) P C	see ① and Fine Cracks
RAIL & POST	G (F) P C	Light collision Damage
PAINT	G F P C	N/A
DRAINS	G (F) P C	
JOINT	G F P C	N/A

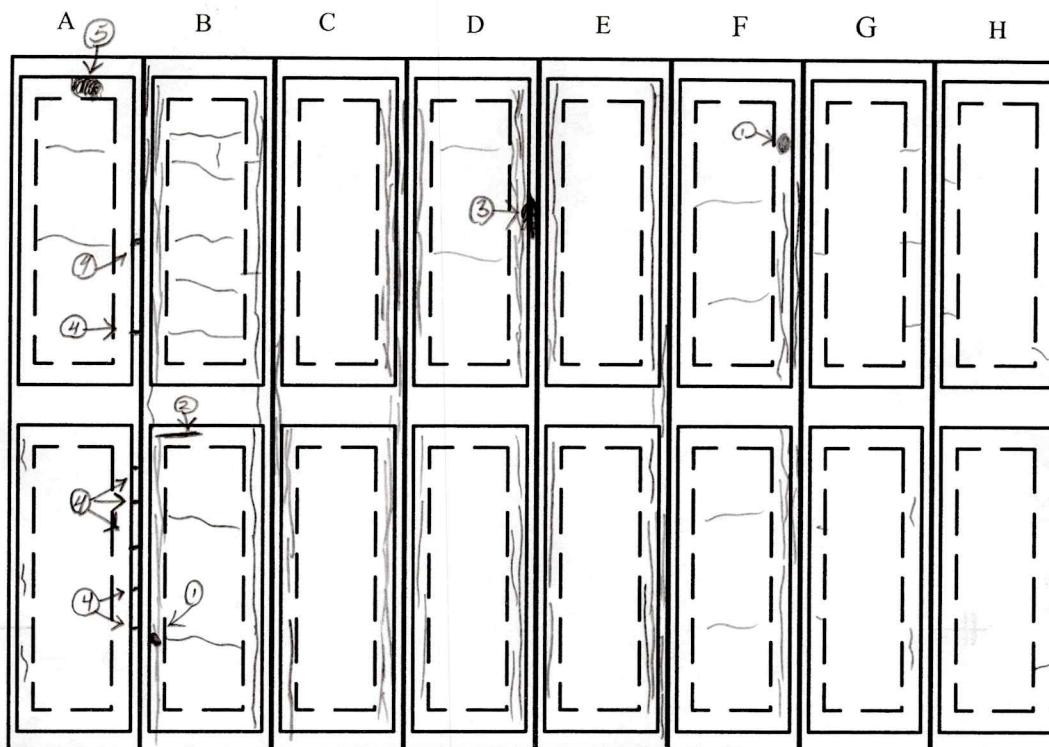
NOV 18 2021

Bridge No. 49 - SR087 - 0644

Skew 90

SPAN. NO. 1

⑤ spalling up to 12" dia x 2" deep



① spalling areas up to 14" dia x 1" deep

③ spalling up to 7" dia x 1" deep

② surface steel up to 16" w x 3" h x 1/2" deep

④ surface steel areas up to

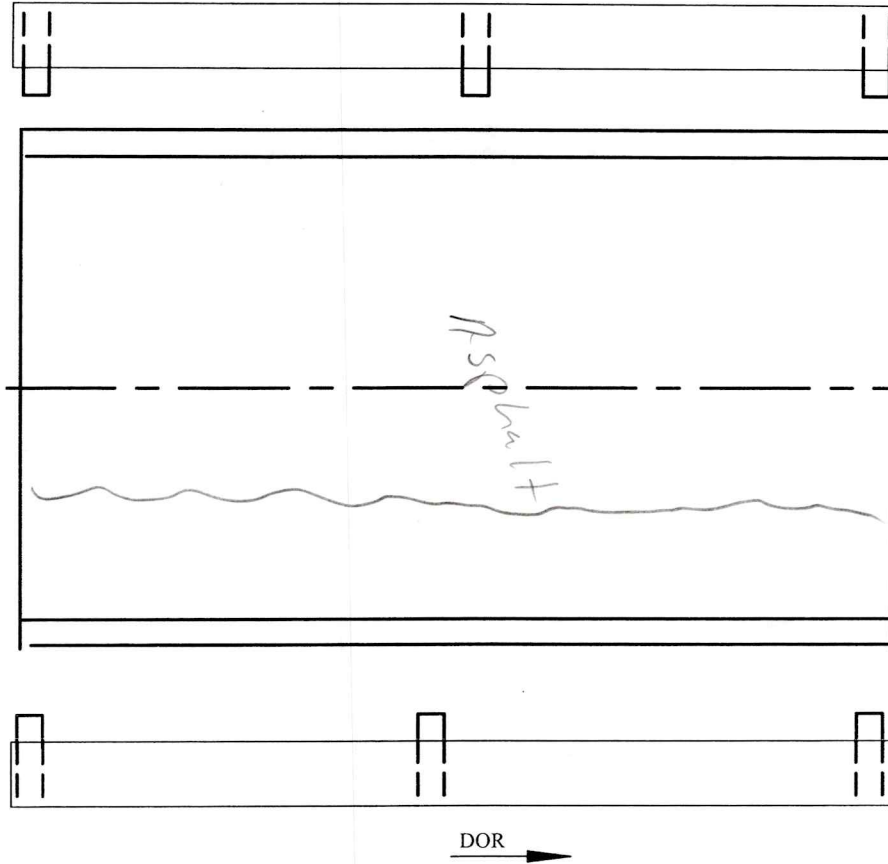
ELEMENT	RATING	COMMENT
SLABS A	G (F) P C	see (4+5) + Fine cracks
B	G (F) P C	see (1+2) + up to 1/16" cracks + light EFF
C	G (F) P C	Fine cracks + light EFF
D	G (F) P C	see (3) + Fine cracks + light EFF
E	G (F) P C	up to 1/16" cracks
F	G (F) P C	see (1) + Fine cracks + light EFF
G	G (F) P C	HL cracks
H	G (F) P C	HL cracks
BOLTS	(C) F P C	

NOV 18 2021

Bridge No. 49 - SR087 - 0644

Skew⁹⁰

SPAN. NO. 2



ELEMENT	RATING	COMMENT
TOP DECK	G <u>F</u> P C	Fine Creek
CURBS	<u>G</u> F P C	
RAIL & POST	G <u>F</u> P C	Light Collision Damage
PAINT	G F P C	N/A
DRAINS	<u>G</u> F P C	
JOINT	G F P C	N/A

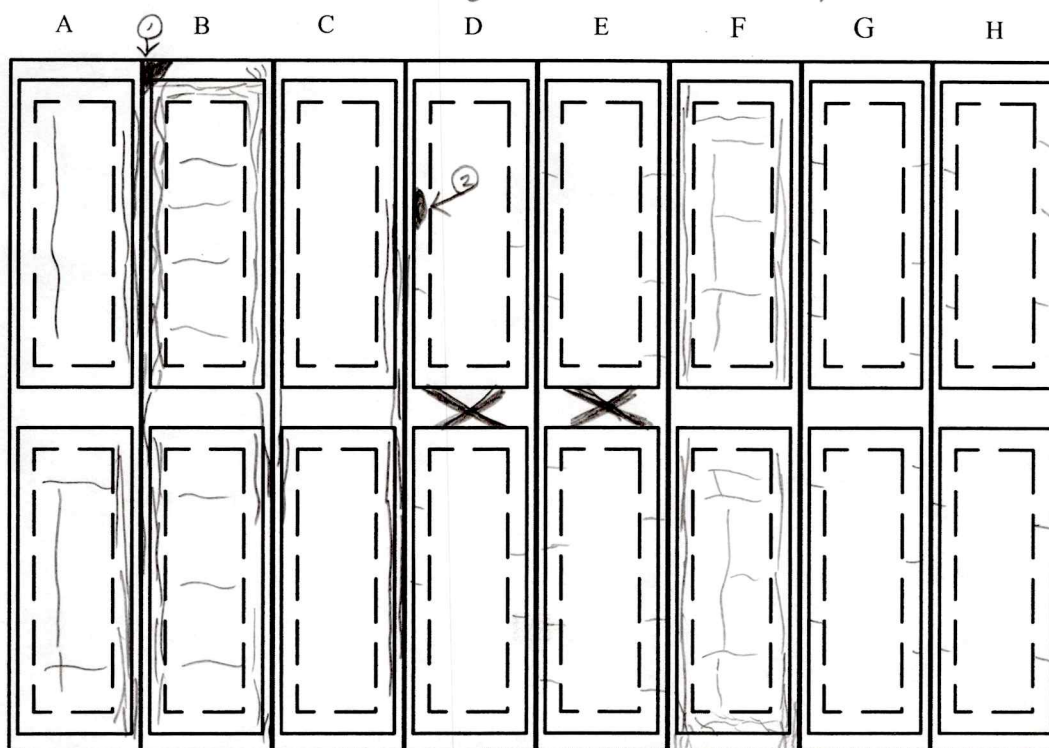
NOV 18 2021

Bridge No. 49 - SR087 - 0644

Skew 90

SPAN. NO. 2

'D + E' are long slabs with no mid span dia. has 1 bay only



① spalling area up to 16" L x 24" W x 2" deep

② spalling area up to 9" dia x 1/2" deep

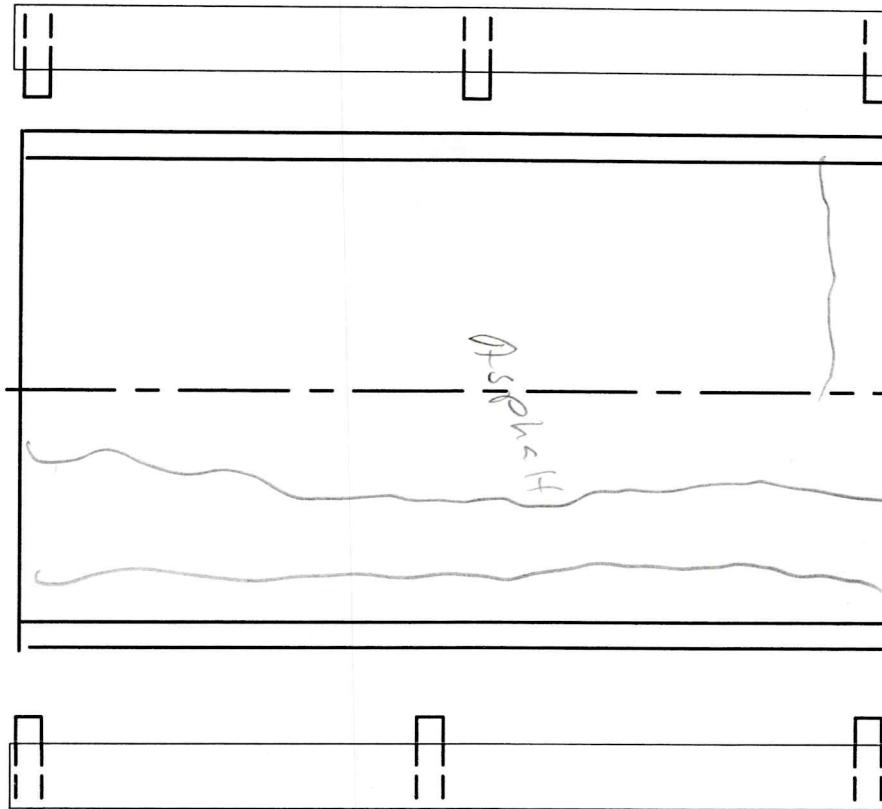
ELEMENT	RATING	COMMENT
SLABS A	G F P C	
B	G F P C	see ① + fine cracks w/ EFF
C	G F P C	up to 1/16" cracks
D	G F P C	see ② + HL cracks
E	G F P C	HL cracks
F	G F P C	up to 1/16" cracks w/ EFF
G	G F P C	HL cracks
H	G F P C	HL cracks
BOLTS	G F P C	

NOV 18 2021

Bridge No. 49 - SR087 - 0644

Skew⁹⁰

SPAN. NO. ~~X~~3



ELEMENT	RATING	COMMENT
TOP DECK	G (F) P C	Fine cracks
CURBS	(G) F P C	
RAIL & POST	G (F) P C	Light Collision Damage
PAINT	G F P C	N/A
DRAINS	(G) F P C	
JOINT	G F P C	N/A

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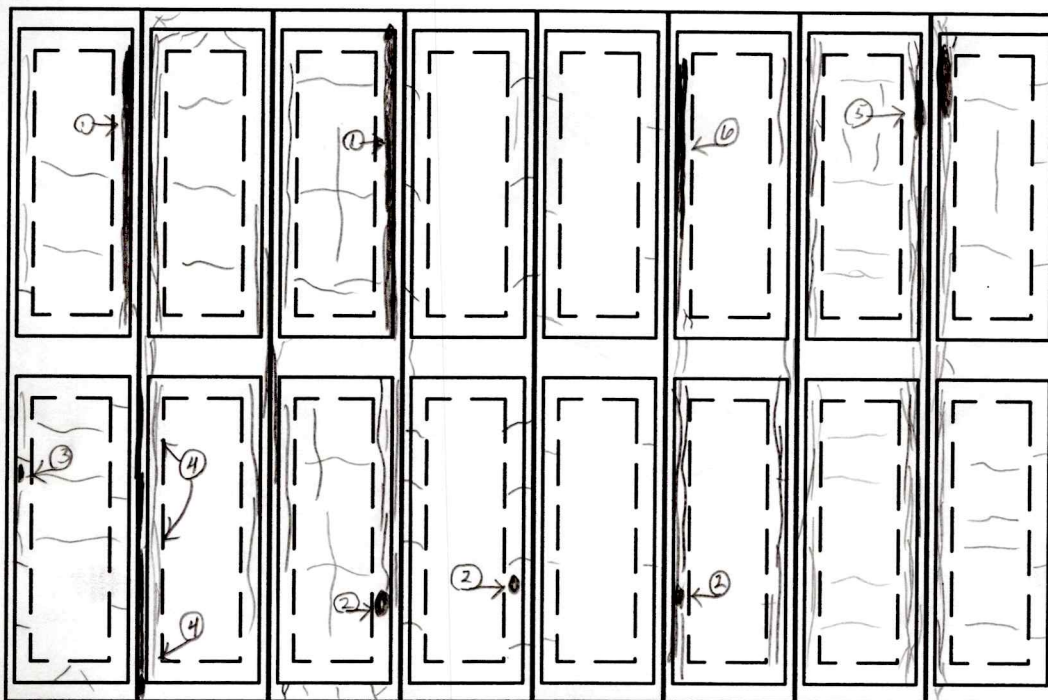
Bridge No. 49 - SR087 - 0644

Skew 90

SPAN. NO. 3

④ spalling up to 8'2" x 6" w x 1" deep ⑤ spalling to steel up to 20'2" x 6" h x 3" deep + up to 1/8" section loss on steel

A B C D E F G H



① spalling to steel areas up to 8'2" x 6" h x 3" deep + up to 1/8" section loss on steel

② spalling up to 14" dia x 1" deep

③ Shipped area up to 4" dia x 1/2" deep

ELEMENT	RATING	COMMENT
SLABS A	G F P C	see (1+3) + HL cracks
B	G F P C	see (4) + fine cracks w/ EFF
C	G F P C	see (1+2) + up to 1/8" cracks
D	G F P C	see (2) + HL cracks
E	G F P C	HL cracks
F	G F P C	see (2+6) + 1/8" cracks
G	G F P C	see (5) + up to 1/8" cracks + light EFF
H	G F P C	see (5) + fine cracks w/ EFF
BOLTS	G F P C	

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Rev. 08/03/00

Date: _____

BRIDGE NUMBER: 49SR0870017 49 SR087 0644

Pg. # _____ of _____

CROSSING: BRANCH

<u>1/6/20</u> LAST EXPOSURE	ABUT/BENT/ PIER NUMBER	TOTAL HEIGHT TOP OF CAP TO (OR GROUND LINE/ DATE FOR PILES	(t) FOOTING THICKNESS	W/FTG @ H= TOP OF CAP TO TOP OF FOOTING	EXPOSURE
<u>7.6'</u>	<u>A-1</u>				<u>6.6'</u>
<u>14.0'</u>	<u>B-1</u>				<u>14.0'</u>
<u>13.3'</u>	<u>B-2</u>				<u>12.5'</u>
<u>5.4'</u>	<u>A-2</u>				<u>5.1'</u>

TOP OF CAP TO TOP OF WATER: _____

RIP-RAP: YES: (X) NO: ()

100.00' UPSTREAM: _____

@ ABUTMENTS: 1+2

THRU STRUCTURE: _____

@ BENTS/PIERS: 1+2

100.00' DOWNSTREAM: _____

UPSTREAM ☒ 15'

DOWNSTREAM ☒ 15'

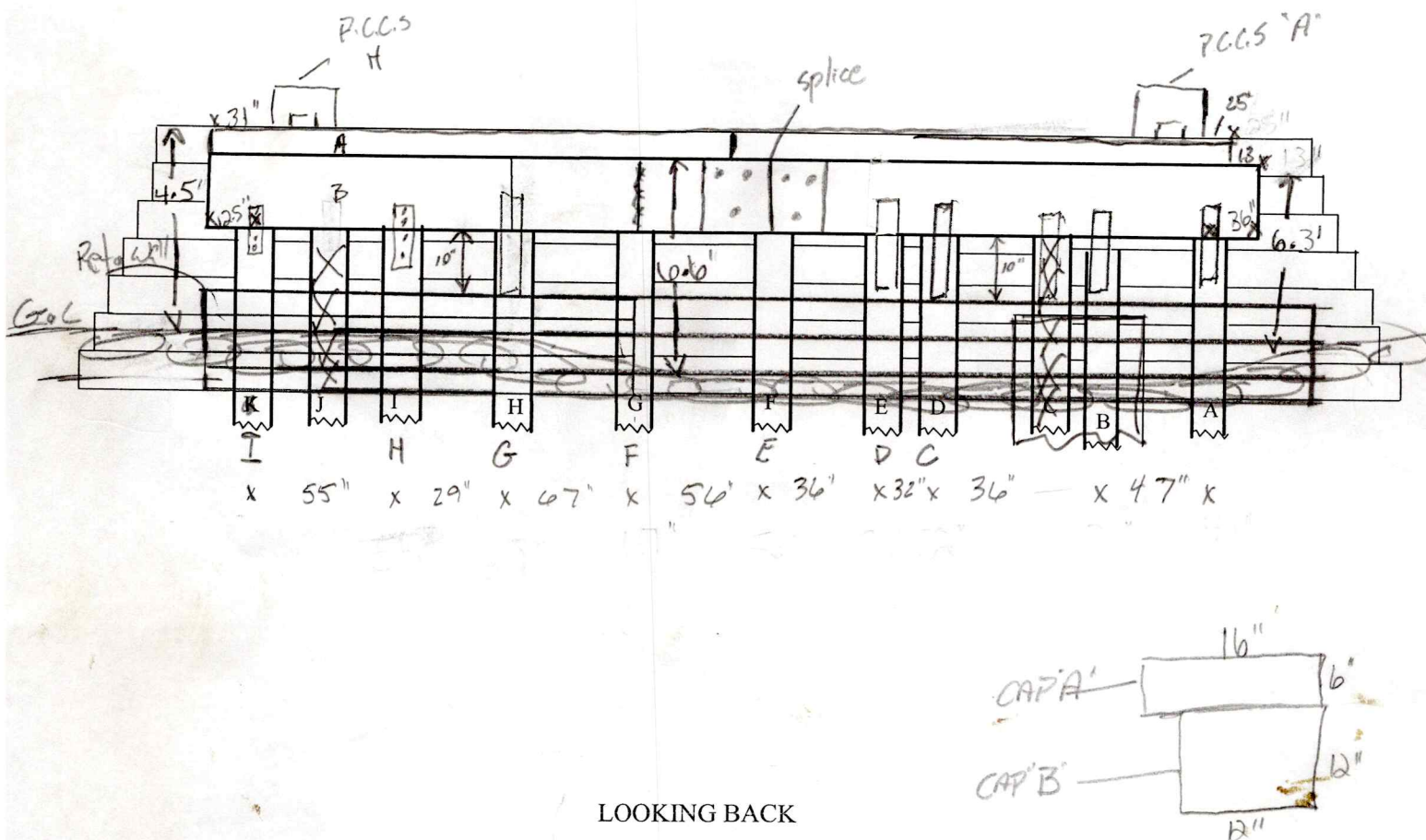
THRU STRUCTURE ☒ yes

COMMENTS: _____

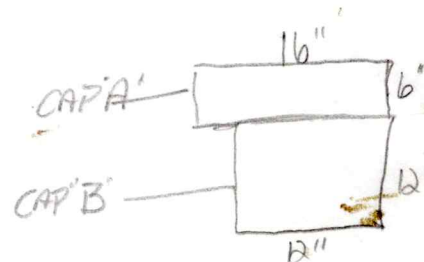
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Bridge No. 49 - SR087 - 0644

ABUT. NO. 1



LOOKING BACK



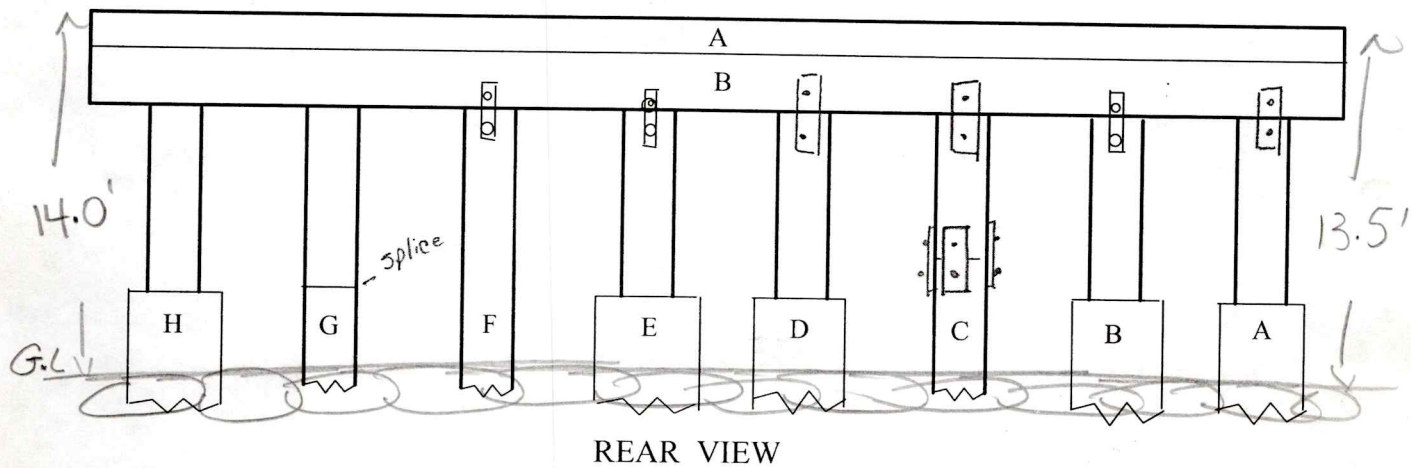
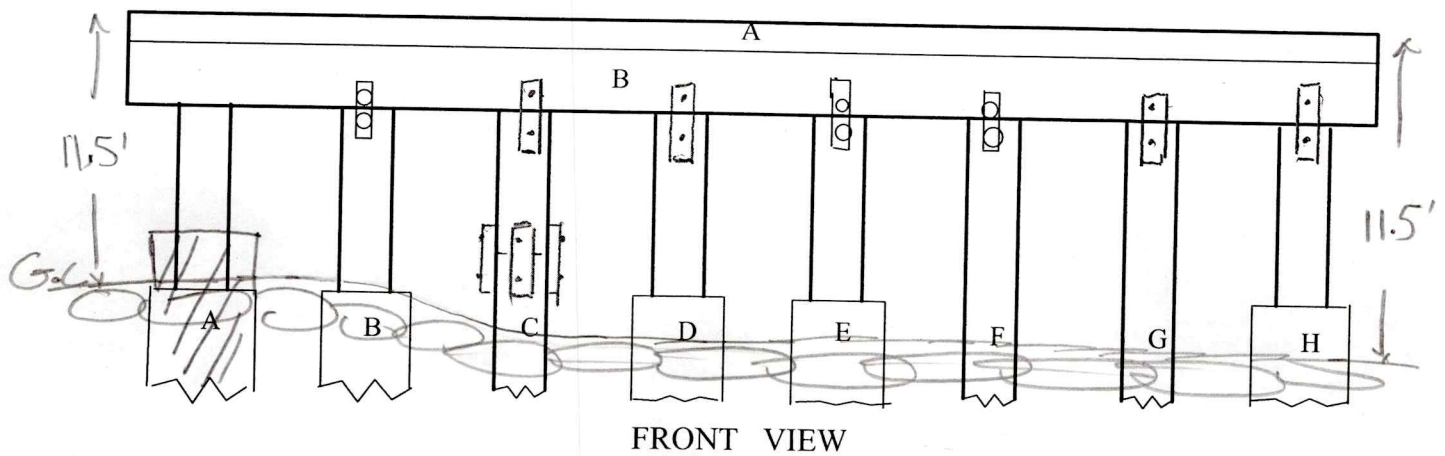
ELEMENT	RATING	COMMENT
CAP A+B	G F P C	Medium weathering CAP'S Appear to Be New
WINGS	G F P C	" "
PILES A-I	G F P C	light to med. weathering
	G F P C	
	G F P C	
Retaining wall	G F P C	light weathering
CONC. CASING	G F P C	
BREASTWALL	G F P C	med to light weathering
EMB.	G F P C	
VEG.	G F P C	med growth
RIP-RAP	G F P C	
	G F P C	
Piles EFGHK	G F P C	
J	G F P C	

Pile A-13" DIA
 B-10" DIA
 C-12" DIA
 D-12" DIA
 E-12" DIA
 F-14" DIA
 G-12" DIA
 H-12" DIA
 I-14" DIA

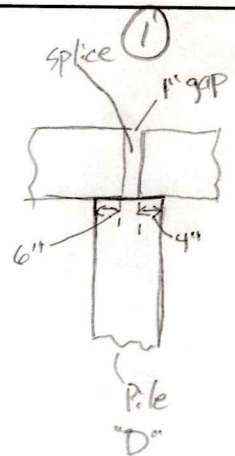
NOV 18 2021

Bridge No. 49 - SR087 - 0644

BENT. NO. 1

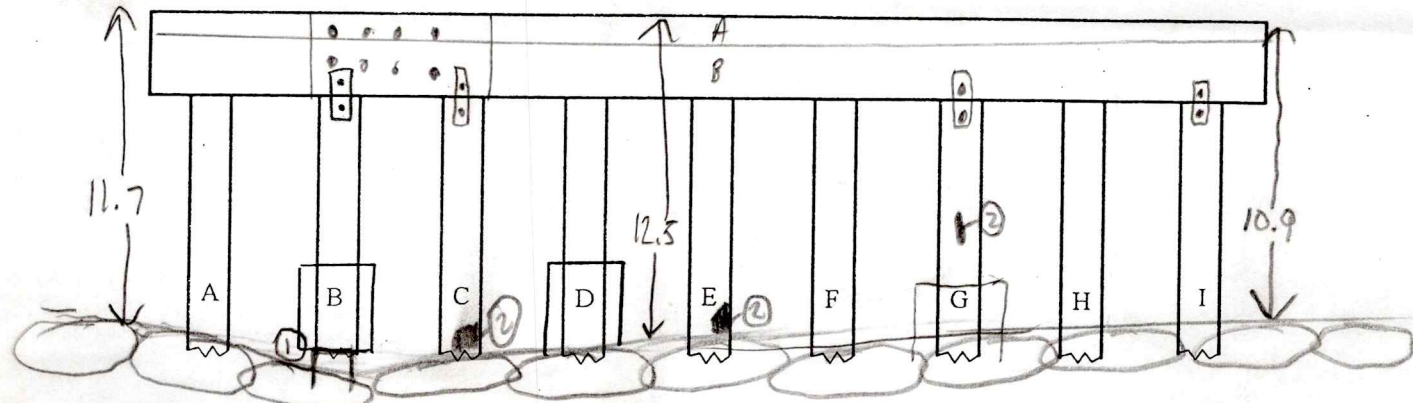


ELEMENT	RATING	COMMENT
BEARINGS	G F P C	—
CAP A	G (F) P C	light weathering Appear New
B	G (F) P C	" " " "
PILES A	G (F) P C	medium weathering
B	G (F) P C	
C	G (F) P C	
D 11" dia	G (F) P C	
E	G (F) P C	
F	G (F) P C	
G	G (F) P C	
H	G (F) P C	
BRACING	G (F) P C	medium weathering + Bolted
CONC. CASING	(G) F P C	
RIP RAP	(G) F P C	
Alignment	(F)	See (A)



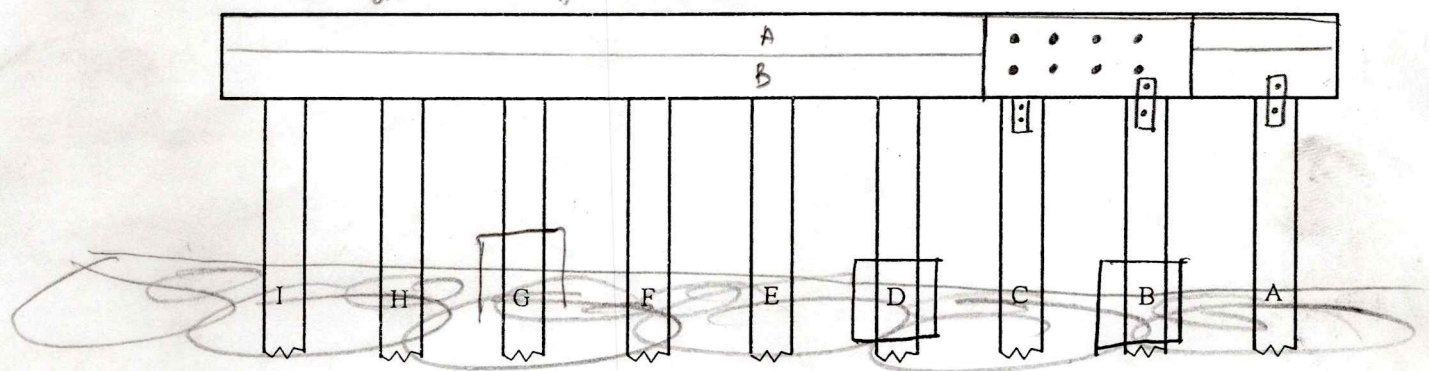
Bridge No. 49 Co. 87 Route 6.44 Log Mile

NOV 18 2021
BENT. NO. 2



① Embankment washing below
conc. casing B $\frac{6''}{\text{below}} \times \frac{3''}{\text{back}} \times \frac{1''}{\text{under}}$
② decay $\frac{6''}{H} \times \frac{6''}{W} \times \frac{1''}{D}$

FRONT VIEW



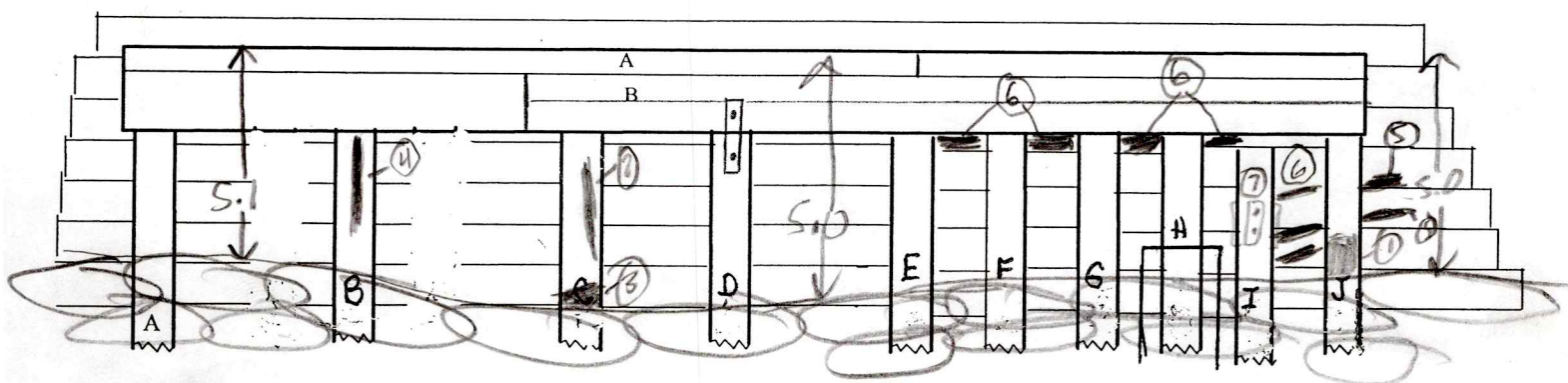
REAR VIEW

ELEMENT	RATING	COMMENT
BEARINGS	G F P C	NV
CAP A+B	G (F) P C	light to medium weathering
PILES A	G (F) P C	light to medium weathering
B	G (F) P C	
C	G (F) P C	see ②
D	G (F) P C	light to medium weathering
E	G (F) P C	see ②
F	G (F) P C	light to medium weathering
G	G (F) P C	
H	G (F) P C	
I	G (F) P C	
bracing	G (F) P C	medium weathering
rip rap	(G) (F) P C	
emb.	(F)	see ①

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Bridge No. 49 - SR087 - 0644

ABUT. NO. 2



② decay
 $\frac{2'}{H} \times \frac{6''}{W} \times \frac{1''}{D}$

③ 1/2" decay and
pile

⑥ broken Areas on
breast wall $\frac{2'}{W} \times \frac{6''}{H} \times \frac{4''}{D}$
Cap B covered by
(2) 3"x6" boards

④ decay $\frac{1'}{H} \times \frac{6''}{W} \times \frac{1''}{D}$

⑤ broken Area on wing
 $\frac{1'}{L} \times \frac{6''}{H} \times \frac{4''}{D}$

① decay and
pile
 $\frac{1'}{H}$
pile size is $\frac{12''}{Diameter} \times \frac{12''}{D}$

⑦ splice on
pile I, new piece
 $\frac{16''}{Diameter} \times \frac{16''}{H}$

LOOKING BACK

ELEMENT	RATING	COMMENT
CAP A+B	G F P C	light to medium weathering
WINGS	G F P C	see ⑤
PILES A-	G F P C	light to medium weathering
B	G F P C	see ④
C	G F P C	see ② & ③
D-I	G F P C	light to medium weathering
J	G F P C	see ①
BREASTWALL	G F P C	see ⑥
EMB.	G F P C	
VEG.	G F P C	heavy growth
RIP-RAP	G F P C	scattered
CONCRETE CASING	G F P C	
bracing	F	medium weathering

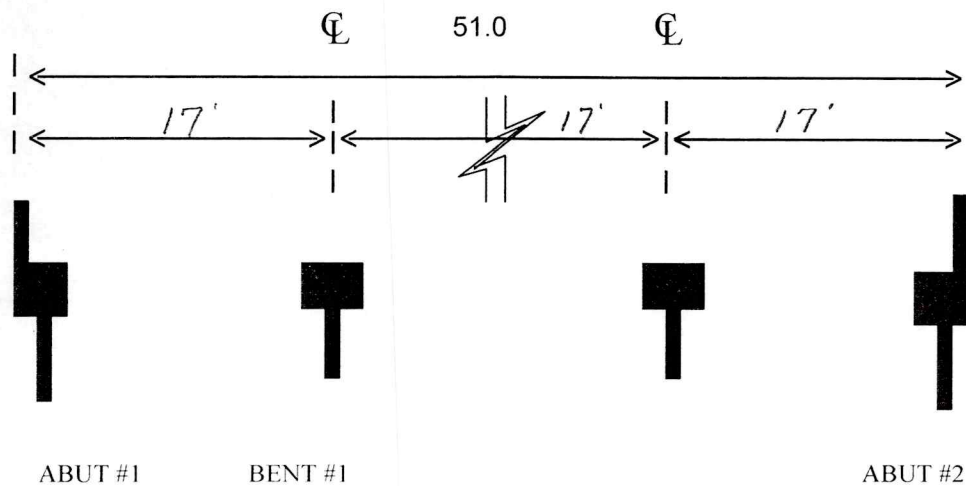
NOV 18 2021

49SR0870017	49	SR087	0644		SKEW:	90
BRIDGE NO.:	CO.	ROUTE	L.M.	L/R		

Direction of Route



F = FIXED
E = EXPANSION
S = SIMPLE
C = CONTINUOUS



SIDE OF BRIDGE

NOV 18 2021

Your Agency Name

Your Office Name

Your Department Name

Structure Inventory and Appraisal Sheet (English Units)

ELEMENT CONDITION STATE DATA												
Str Unit	Elm/Env	Description	Unit	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4
0	12/3	Re Concrete Deck	sq.ft	1,469.00	100%	1,469.00	0%	0.00	0%	0.00	0%	0.00
0	510/3	Wearing Surfaces	sq.ft	1,392.00	70%	972.00	14%	200.00	16%	220.00	0%	0.00
0	3210/3	Del/Spall/Patch/Pot(Wear Surf)	sq.ft	220.00	0%	0.00	0%	0.00	100%	220.00	0%	0.00
0	3220/3	Crack (Wearing Surface)	sq.ft	200.00	0%	0.00	100%	200.00	0%	0.00	0%	0.00
0	116/3	Re Conc Stringer	ft	408.00	30%	121.00	65%	267.00	5%	20.00	0%	0.00
0	1080/3	Delamination/Spall/Patched Area	ft	17.00	0%	0.00	100%	17.00	0%	0.00	0%	0.00
0	1090/3	Exposed Rebar	ft	50.00	0%	0.00	60%	30.00	40%	20.00	0%	0.00
0	1120/3	Efflorescence/Rust Staining	ft	100.00	0%	0.00	100%	100.00	0%	0.00	0%	0.00
0	1130/3	Cracking (RC and Other)	ft	100.00	0%	0.00	100%	100.00	0%	0.00	0%	0.00
0	216/3	Timber Abutment	ft	62.00	95%	59.00	5%	3.00	0%	0.00	0%	0.00
0	1140/3	Decay/Section Loss	ft	3.00	0%	0.00	100%	3.00	0%	0.00	0%	0.00
0	228/3	Timber Pile	(EA)	17.00	82%	14.00	18%	3.00	0%	0.00	0%	0.00
0	1140/3	Decay/Section Loss	(EA)	3.00	0%	0.00	100%	3.00	0%	0.00	0%	0.00
0	235/3	Timber Pier Cap	ft	62.00	97%	60.00	0%	0.00	3%	2.00	0%	0.00
0	330/3	Metal Bridge Railing	ft	102.00	100%	102.00	0%	0.00	0%	0.00	0%	0.00