

# BRIDGE MAINTENANCE RECOMMENDATIONS



Tennessee Department  
of Transportation

COUNTY: LAUDERDALE

LOCATION: 49-SR371-01.39-

CO. SEQ.: 1 SPEC. CASE: 0

CROSSING: BRANCH

FED. BRIDGE NO.: 49SR0872003

MAINT. DIST.: 49

REPAIR LIST NO.: 3

DATE ADDED: 04/03/2018

REVISED: 11/16/2021

FACILITY CARRIED:	FAS 371	NUMBER OF MAIN SPANS:	2
HIGHWAY SYSTEM:	05-STP RURAL, STATE	NUMBER OF APPROACH SPANS:	0
BRIDGE WIDTH (CURB TO CURB):	28 FT 2 IN	BRIDGE LENGTH (FT):	46
BRIDGE WIDTH (OUT TO OUT):	29 FT 2 IN	MAXIMUM SPAN LENGTH (FT):	29
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:	11/16/2021	GENERAL CONDITION:	FAIR
EVALUATION DATE:	03/17/2020	STRUCTURALLY DEFICIENT:	NO
PPRM PIN NUMBER:			
H TRUCK RATING @ INV.:	15 TONS	SUFFICIENCY RATING:	69.8

## SUGGESTED ROUTINE MAINTENANCE AND COMMENTS

REPAIR OR REPLACE PRECAST CONCRETE CHANNEL SLAB "D, E, F" IN SPAN NO.2

LEVEL THE WEARING SURFACE AT BOTH APPROACHES.

APPROACH GUARDRAILS ARE SUBSTANDARD

BRIDGRAILS ARE SUBSTANDARD

## GENERAL COMMENTS:



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

# Bridge Condition Coding Form

Revised 11/17/2021

Bridge Number: **49SR08720031**  
(Includes Item 5A)  
Feature Intersected: **BRANCH**  
Evaluation Status: **OTHER ITEM(S) HAVE BEEN CHANGED**

County: **49**  
Route: **SR371**  
Special Case: **0**  
County Sequence: **1**  
Log Mile: **1.39**

## CODE ONLY THOSE VALUES WHICH HAVE CHANGED

ITEM #	DESCRIPTION	VALUE	CONDITION CODING GUIDELINES (Values for Coding Items 58, 59, 60 and 62)
90	LAST INSPECTION DATE	11/16/2021	
	EARLIEST DATE OF NEXT REGULAR INSPECTION	09/17/2023	
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	99 FT. 99 IN.	N NOT APPLICABLE
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	99 FT. 99 IN.	9 EXCELLENT CONDITION
36	TRAFFIC SAFETY FEATURES		8 VERY GOOD CONDITION - NO PROBLEMS NOTED.
	Br. Rail Trans. Appr. Rail Terminal SPEED LIMIT	0 N 0 1 55	7 GOOD CONDITION - SOME MINOR PROBLEMS.
41	STRC OPEN/CLOSED/POSTED	P	6 SATISFACTORY CONDITION - MINOR DETERIORATION OF STRUCTURAL ELEMENTS.
	A K P		5 FAIR CONDITION - ALL PRIMARY STRUCTURAL ELEMENTS ARE SOUND BUT MAY HAVE MINOR SECTION LOSS, CRACKING, SPALLING OR SCOUR.
58	DECK	6	4 POOR CONDITION - ADVANCED SECTION LOSS, DETERIORATION, SPALLING OR SCOUR.
59	SUPERSTRUCTURE	5	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.
60	SUBSTRUCTURE	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.
61	CHANL/CHANL PROTECTION	6	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.
62	CULVERT AND RETAIN WALL	N	0 FAILED CONDITION - OUT OF SERVICE AND BEYOND CORRECTIVE ACTION.
71	WATERWAY ADEQUACY	6	
72	APPROACH RDWY ALIGNMENT	8	
521	OVERALL CONDITION	FAIR	
16	LATITUDE	17 LONGITUDE	
	N 35° 40.4900'	W 89° 41.0533'	
TEAM LEADER SIGNATURE		REVIEW DATE	

**Bridge Loc. No: 49-SR371-01.39      Date: 11-16-21**



**BOTTOM DECK SPAN # 2**



**BOTTOM DECK SPAN # 2**



**Bridge Loc. No: 49-SR371-01.39      Date: 11-16-21**



**SLAB "D" SPAN # 2 SPALLED TO STEEL**



**SLAB "E" SPAN # 2 SPALLED TO STEEL**

**Bridge Loc. No: 49-SR371-01.39**

**Date: 11-16-21**



**ABUTMENT # 1**

**Bridge Loc. No: 49-SR371-01.39      Date: 11-16-21**



**BRIDGE NUMBER**



**APPROACH # 1 A/C PATCHED, CRACKED & SPALLED**



**Bridge Loc. No: 49-SR371-01.39      Date: 11-16-21**



**DIRECTION OF ROUTE**



**APPROACH # 1 WEIGHT LIMIT SIGN 40T/40T**



**Bridge Loc. No: 49-SR371-01.39      Date: 11-16-21**



**VIEW ACROSS TOP OF DECK**



**APPROACH # 2 A/C SPALLED, PATCHED & SETTLED**

**Bridge Loc. No: 49-SR371-01.39      Date: 11-16-21**



**APPROACH # 2 WEIGHT LIMIT SIGN 40T/40T**



**OPPOSITE DIRECTION OF ROUTE**



**Bridge Loc. No: 49-SR371-01.39      Date: 11-16-21**



**LEFT SIDE END OF CAP ABUTMENT # 1 DECAYED**



**FRONT SIDE BENT # 1**



**Bridge Loc. No: 49-SR371-01.39      Date: 11-16-21**



**BOTTOM DECK SPAN # 1**



**ABUTMENT # 2**

NOV 16 2021

## BRIDGE INSPECTION REPORT

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

Field Report No.: 26 Date: 11/16/22  
Previous Report No.: 25 Date: 12/27/19  
Co. Seq: 01 Plans: YES ( ) NO ( )

Bridge No. 49SR0872003 Bridge Location No. 49 - SR371 - 0139  
Eleven Digit No. Co. Route Log Mile OVER/UNDER PASS

BRANCH  
Road Name Feature Intersected CITY  
Year Constructed 1991 County LAUDERDALE Maint. Dist: 49 Maint.Resp: 02  
Year Widened Year Rehabilitated Structure Name (If Named)

### FEATURES

Wearing Surface Concrete ( ) Timber ( ) Asphalt (x) Depth 2" (in.)  
Flared Width Yes ( ) No (x) Median Width Open ( ) None (x) Closed ( )  
Navigational Control Yes ( ) No (x) Bridge Skew 90 ° LT ( ) RT ( )  
Structure Type (Main Span) P. C. C. S.  
Structure Type (Appr.Spans)   
No. Main Spans 2 No. Approach Spans   
Maximum Span Length 28.5 (\*\*. ft.)  
Total Length 45.5 (\*\*. ft.)

### INSPECTORS

1. Ellison (Tel)  
2. Wood  
3. Caghlin  
4. Seeger  
5. McNeal  
6.   
7.   
8.

### WIDTHS (\*\*. ft.)

Deck Out-to-Out 28.7  
Roadway Curb/Curb 27.7  
Roadway Rail/Rail   
Sidewalk Rt.  Lt.   
\*Approach Roadway 20.0  
\*(Does Not Include Shoulders)  
Approach Shoulder Rt. 5.0  
Lt. 5.0

### 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 ( ) No (x) Major Repairs Made: Yes ( ) No (x)

### COMMENTS:

LATITUDE: N35 ° 40.4900 '  
LONGITUDE: W89 ° 41.0533 '  
G.P.S. Location

BRIDGE RATING: ( ) (x) ( ) ( )  
GOOD FAIR POOR CRITICAL

Supervising Bridge Inspector: 

NOV 16 2021

Form BIR 3.1

(Rev. 9-22-98)

DT-0080

Bridge Location No. 49 - SR371 - 1.39  
Co. Route Log Mile

Date \_\_\_\_\_

**PERFORMANCE EVALUATION**

Time of Day Inspected 1:40 Weather Conditions Partly Cloudy 72°  
Vehicles Observed All types

**LIVE LOAD BEHAVIOR**

	YES	NO	Comments
Substructure			
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	App# 1972 (003)
Embankment	G (F) P C	
Drains	G F P C	

**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)	( )	( )	App# 1972
Vertical Clearance (<14'-6")	( )	(X)	( )	YES (X) NO ( )
NARROW ( )	( )	(X)	( )	Gross..... Tons
ONE LANE BRIDGE ( )	( )	(X)	( )	2 Axle..... 40 Tons
				3 or more Axles.. 40 Tons

Other Signs or Plaques: \_\_\_\_\_

Comments Regarding any Problems with Signing: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



NOV 16 2021

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

Bridge Location No. 49 - SR371 - 0139  
Co. Route Log Mile

Date \_\_\_\_\_

**DECK**

	Rating				Comments
Wearing Surface	G	F	P	C	
Deck - Structural Condition	G	F	P	C	
Curbs	G	F	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	P	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	P	C	<i>SPRINK 2 D, E, F (241)</i>
BOLTS (PCCS)	G	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	G	F	P	C	

**TEXTURE COAT**

Condition Rating	G	F	P	C
Overall Appearance	G	F	P	C
Staining Rating	G	F	P	C

Fading	G	F	P	C
Needs Spot Painting	YES ( )	NO ( )		
Needs Repainting	YES ( )	NO ( )		

Comments \_\_\_\_\_ Scaling Rating G F P C

RECOMMENDATIONS: \_\_\_\_\_ CLEAN SEAL JOINTS ( )

\_\_\_\_\_ CLEAN DRAINS ( )

NOV 16 2021

Form BIR 3.3

(Rev. 9-22-98)

DT-0082

Bridge Location No. 49 - SR371 - 1.39

Co. Route Log Mile

Date

PILES TO BE  
REPLACED

**SUBSTRUCTURE**

**ABUTMENTS**

	Rating	Comments	PILE(S)	ABUTMENT
Caps	G (F) P C			
Breastwall	G F P C			
Wings	G (F) P C			
Backwall	G F P C			
Plumb	G (F) P C			
Footing	G F P C			
Piles	G (F) P C			
Embankment	(G) F P C			
Bearing	G F P C			
Slope Paving	G F P C			
Rip Rap	(G) F P C			
Earthquake Devices	G F P C			

**PIERS**

	Rating	Comments	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**

	Rating	Comments	PILE(S)	BENT
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			
Bracing	G F P C			
Earthquake Devices	G F P C			

Piles Need Replacement: NO (X) YES ( )

CUT VEGETATION NO (X) YES ( )

CLEAR DRIFT NO (X) YES ( )

RECOMMENDATIONS:

NOV 16 2021

Form BIR 3.8

(Rev. 9-22-98)

DT-1508

Bridge Location No. 49 - SR371 - 0139  
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 (~~X~~) 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 (~~X~~)  
If yes, why? \_\_\_\_\_

- II. Channel and bank stability conditions: (check if applicable)
1. Steep bank conditions: - Failures upstream ( ) Failures downstream ( )  
2. Moderate bank erosion (~~X~~)  
3. Bank vegetation: a. low growth ( ) b. large timber (~~X~~) c. clear banks ( )  
d. dead trees upstream (~~X~~) e. dead trees downstream (~~X~~)  
4. Sediment or gravel accumulation: YES (~~X~~) NO ( ) UNKNOWN ( )  
5. Channel altered or straightened: YES ( ) NO (~~X~~) UNKNOWN ( )  
6. Stable conditions: a. live growth (~~X~~) 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. . . . . (~~X~~)  
b. higher than approach roadway. . . . . ( )  
c. roadway approach  $\geq$  2 ft. above natural ground line. . . . . (~~X~~)  
2. Abutment encroaches into channel. . . . . ( )  
3. Large scour (blowhole) under bridge. . . . . ( )  
4. Indications that flood waters overtop bridge:  
NO ( ) YES (~~X~~) OCCASSIONALLY (~~X~~) FREQUENTLY ( ) UNKNOWN ( )  
5. Debris characteristics:  
a. debris/drift present YES (~~X~~) NO ( )  
b. debris/drift likely to accumulate YES (~~X~~) NO ( )  
c. dead trees upstream (~~X~~) dead trees downstream (~~X~~)

IV. Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**SPECIAL INSPECTION DATA - FOR REASONS OTHER THAN FC OR SCOUR**

- I. Does this bridge need a special inspection? YES ( ) NO (~~X~~)  
II. Reason for special inspection: \_\_\_\_\_  
\_\_\_\_\_



Inspection Team's Summary

Bridge Location No. 49 - SR317 - 0139

Inspection Date 11/16/21

Bridge Rating Fair

This is a 2 span p.c.c.s. bridge with approach rails, bridge rails,  
1 paddle board sign & 40/40 ton weight limit signs posted on  
approaches # 1 & 2.

The superstructure is concrete.

The substructure is timber.

Approaches # 1 & 2 a/c have cracking, patching, spalling &  
settlement.

The a/c wearing surfaces have 1/4" cracks.

The superstructure has spalling to steel areas, beginning to spall  
areas & up to 1/16" cracks,

Span # 2 p.c.c.s. "d, e & f" slabs are poor.

Scour is fair @ this time.

--  
Jason Ellison

INSPECTOR

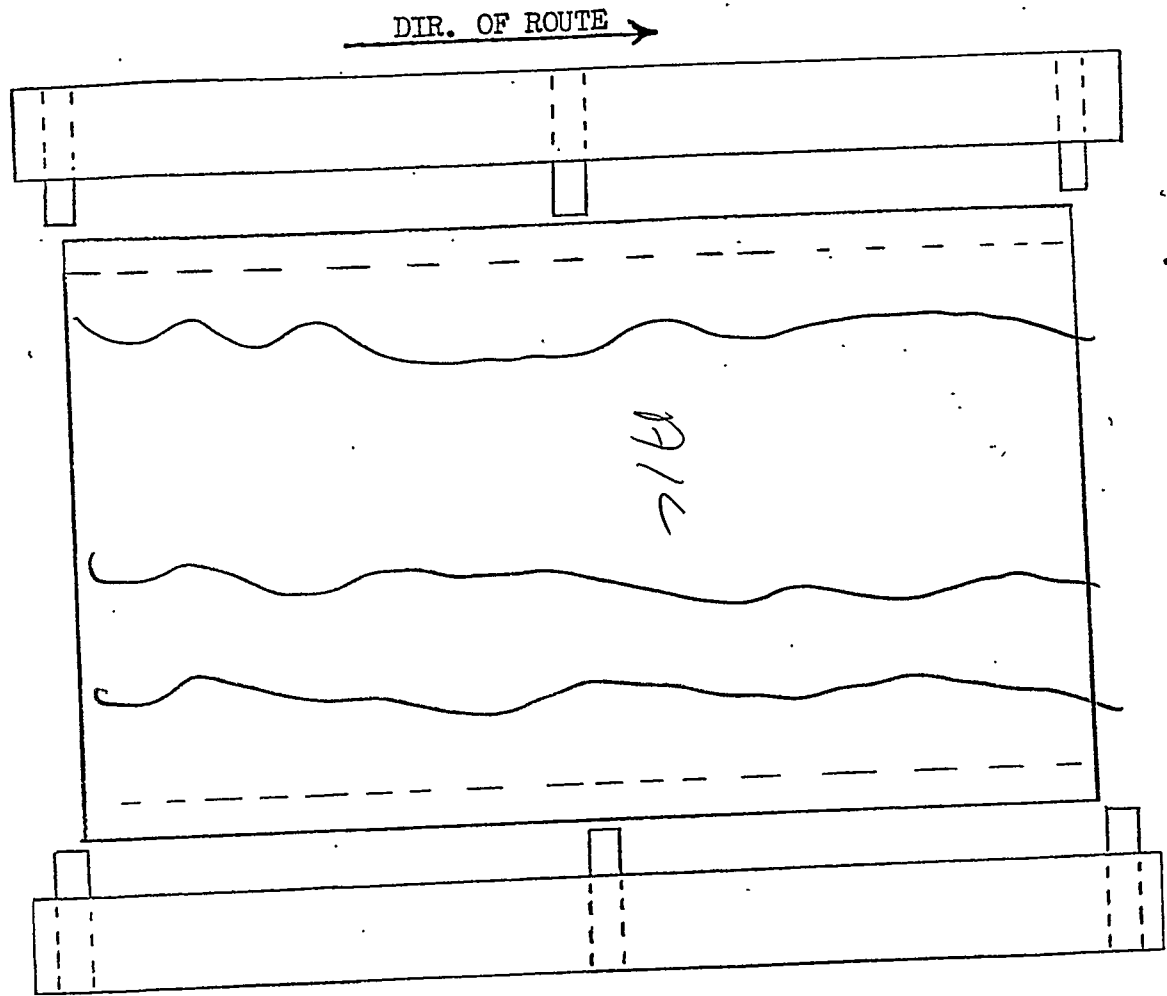
CROSS SECTION: YES ☐ NO ☐

BRM: YES ☒ NO ☐

NOV 16 2021

BR. NO. 49 371 139 SK. 90°

SPAN NO.           

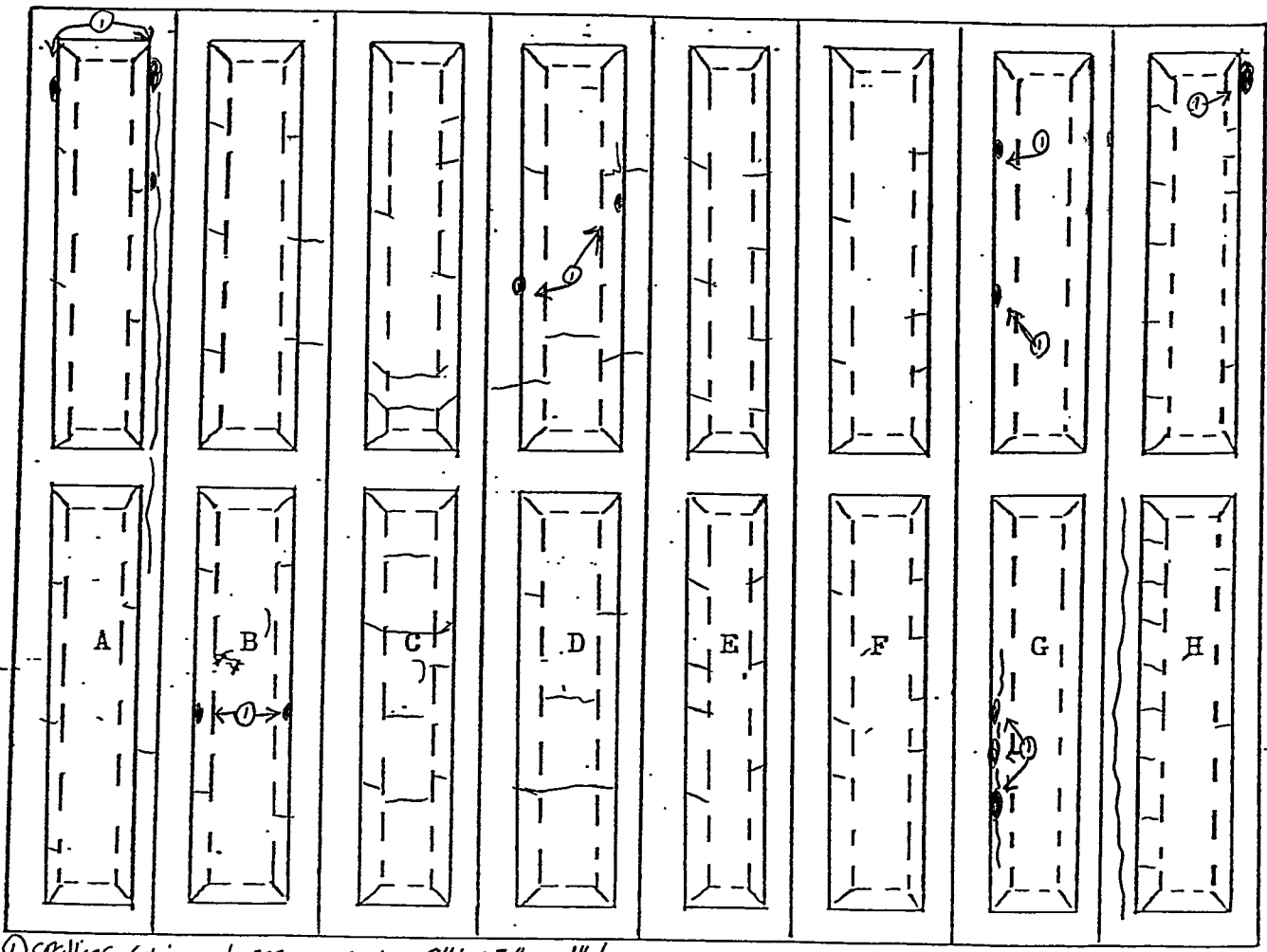


ELEMENT	RATING	COMMENT
TOP DECK	G (F) P C	up to 1/4 inch cracks
RAILS & POST	(G) F P C	
PAINT	G F P C	N/A
DRAINS	(G) F P C	N/A
JOINTS	G F P C	N/A
CURBS OR WHEEL G.	(G) F P C	

NOV 16 2021

BR. NO. 49 371 139 SK. 90°

SPAN NO. 1



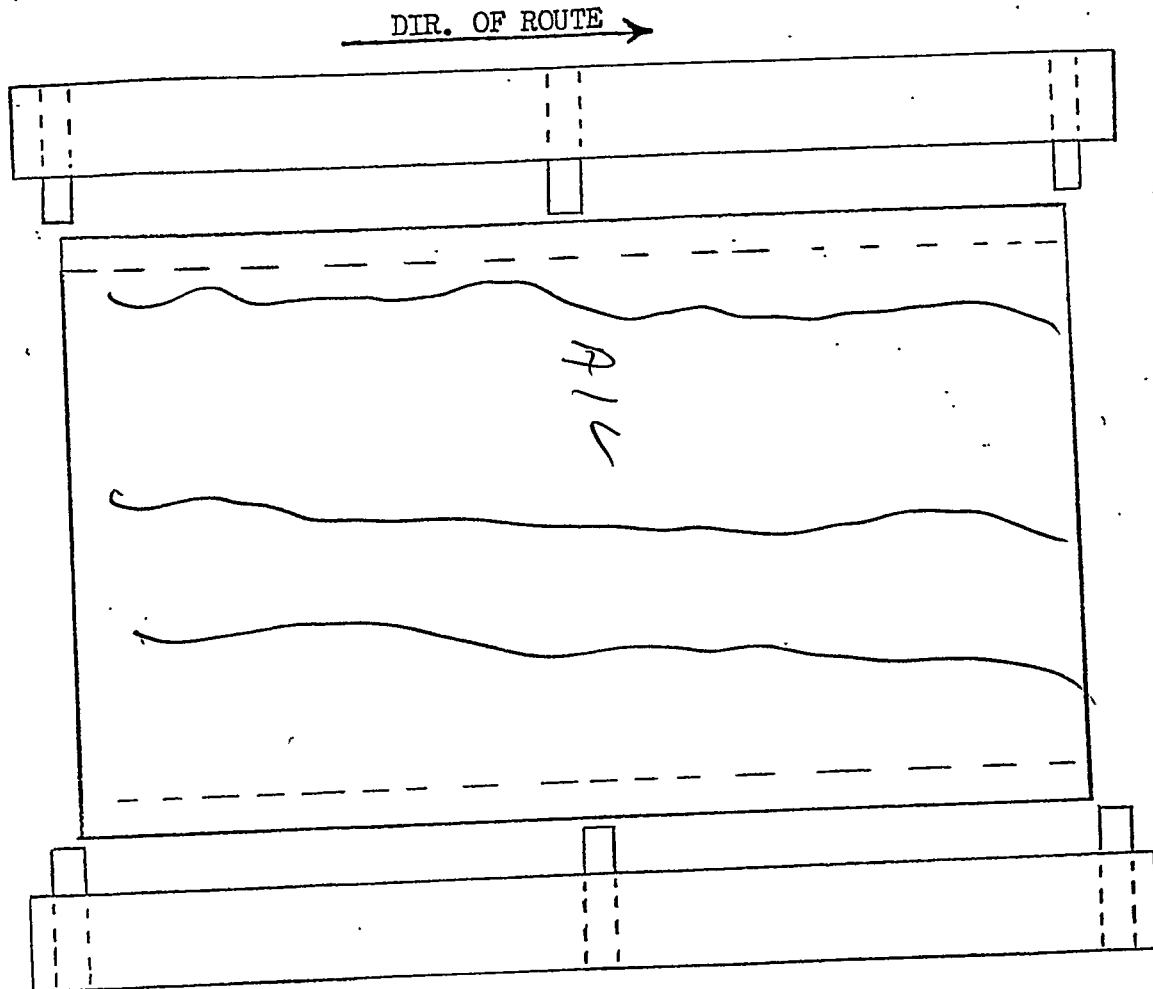
① Spalling/chipped areas up to 9" L x 5" W x 1" deep

ELEMENT		RATING	COMMENT
BOTTOM DECK SLAB	A	G F P C	
	B	G <u>F</u> P C	see ① + up to 1/16" crack
	C	G <u>F</u> P C	see ① + HL cracks
	D	G <u>F</u> P C	HL to fine cracks light EFF
	E	G <u>F</u> P C	see ① + HL to fine cracks light EFF
	F	G <u>F</u> P C	HL cracks light EFF
	G	G <u>F</u> P C	HL cracks light EFF
	H	G <u>F</u> P C	see ① + HL cracks
BOLTS		<u>G</u> F P C	see ① + up to 1/16" cracks



BR. NO. 49 371 139 SK. 90°

SPAN NO. NOV 26 2021

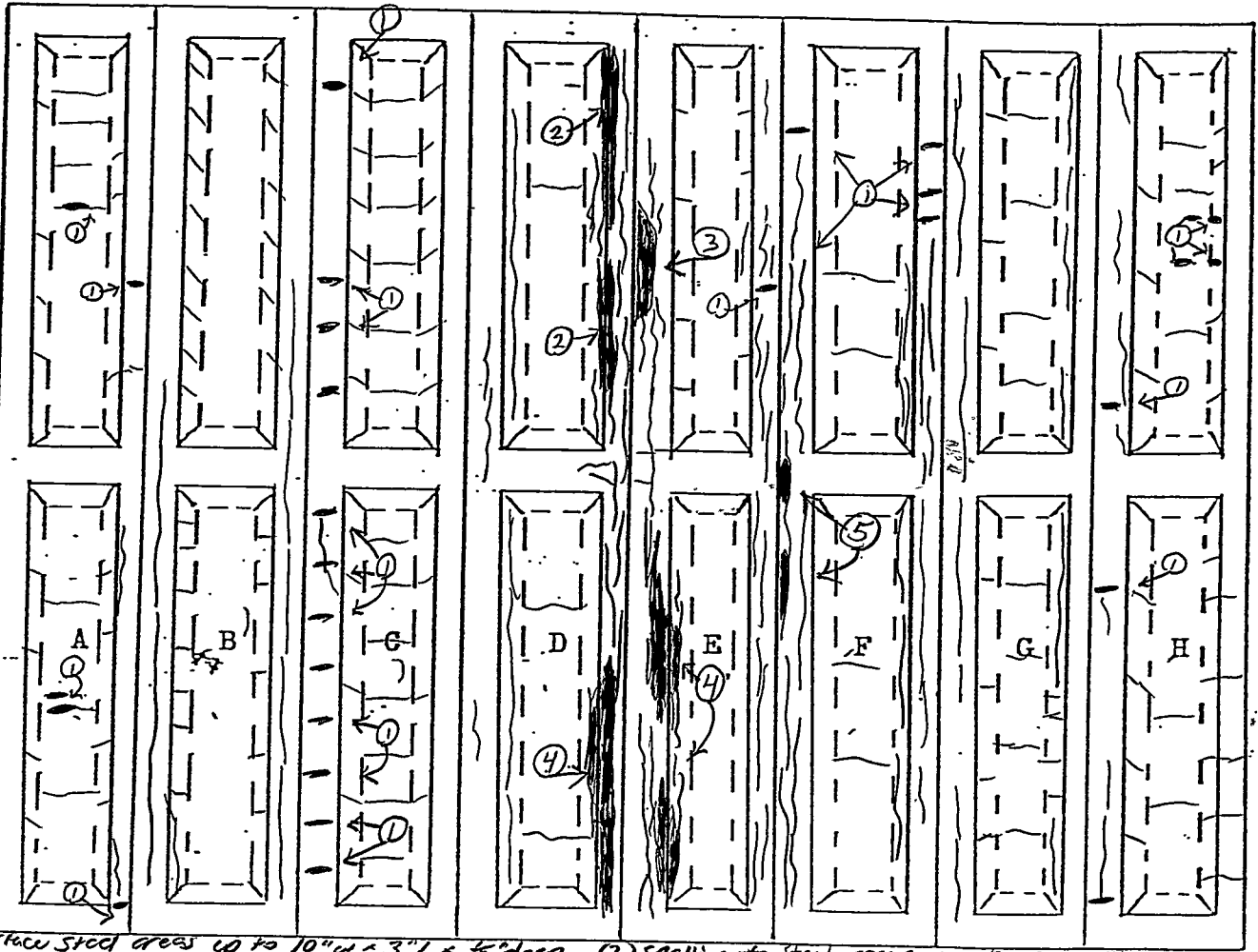


ELEMENT	RATING	COMMENT
TOP DECK	G <u>F</u> P C	up 1/4 inch cracks
RAILS & POST	G <u>F</u> P C	
PAINT	G F P C	N/A
DRAINS	G <u>F</u> P C	
JOINTS	G F P C	N/A
CURBS OR WHEEL G.	G <u>F</u> P C	

BR. NO. 49 371 1.39 SK. 90°

SPAN NO. NOV 16 2021

- ③ Spalling to steel up to 4' L x 5' W x 3" deep + up to  $\frac{1}{16}$ " section loss on steel  
④ Impending spalling up to 5' L x 5' W x 5" h  
⑤ spalling to steel



① Surface steel areas up to 10" W x 3' L x  $\frac{1}{2}$ " deep ② Spalling to steel areas up to 5' L x 8' W x 3" deep + up to  $\frac{1}{16}$ " section loss on steel

ELEMENT

RATING

COMMENT

~~BOTTOM DECK~~

SLAB

A G F P C  
B G Ⓟ P C  
C G Ⓟ P C  
D G F Ⓟ C  
E G F Ⓟ C  
F G F Ⓟ C  
G G Ⓟ P C  
H G Ⓟ P C

see ① + HL to Fine cracks  
up to  $\frac{1}{16}$ " cracks  
see ① + up to  $\frac{1}{16}$ " cracks + EFF  
see ②+④ + up to  $\frac{1}{16}$ " cracks + EFF  
see ①+②+④ + up to  $\frac{1}{16}$ " cracks  
see ①+⑤ + up to  $\frac{1}{16}$ " cracks  
up to  $\frac{1}{16}$ " cracks  
see ① + up to  $\frac{1}{16}$ " cracks

BOLTS

Ⓢ F P C

NOV 16 2021

Rev. 08/03/00

Date:\_\_\_\_\_

BRIDGE NUMBER: 49SR0872003      49    SR371    0139

Pg. # \_\_\_\_\_ of \_\_\_\_\_

CROSSING: BRANCH

DATE 12/27/19

[illegible]

TOP OF CAP TO TOP OF WATER:            RIP-RAP: YES: ☒ NO: ☐

100.00' UPSTREAM: \_\_\_\_\_

THRU STRUCTURE: \_\_\_\_\_

100.00' DOWNSTREAM:\_\_\_\_\_

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

@ ABUTMENTS: 1 & 2

@ BENTS/PIERS: 1-

UPSTREAM ☒ 30'

DOWNSTREAM ☒ 30'

THRU STRUCTURE ☒ YES

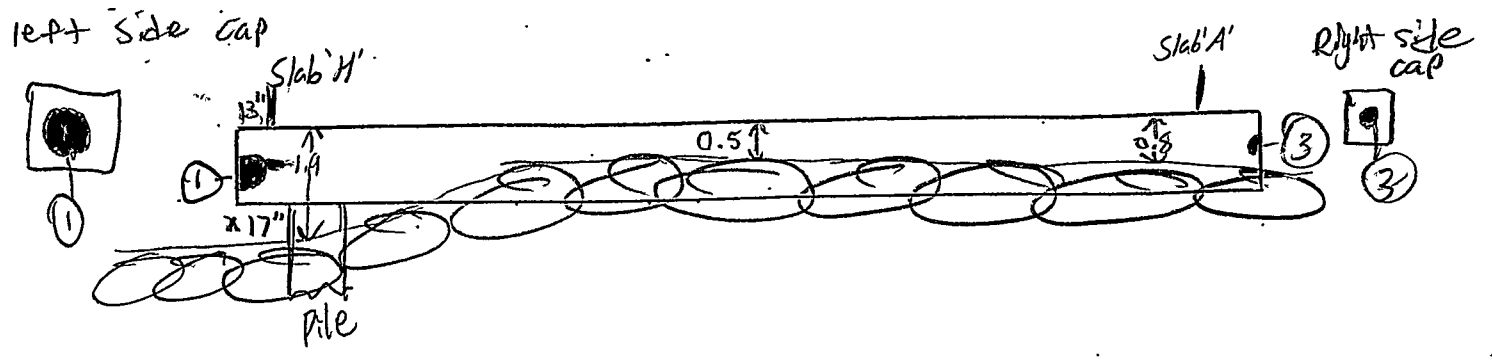
COMMENTS:

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BR. NO. 49 371 1.39 SK.       

NOV 16/2021  
AEUT. NO.       



LOOKING -----

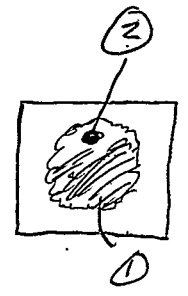
① Decayed Area  

$$\frac{10''}{H} \times \frac{10''}{W} \times \frac{4''}{D}$$

③ Decayed Area  

$$\frac{5''}{H} \times \frac{5''}{W} \times \frac{5''}{D}$$

② Decayed 2" DIA x 16" Deep



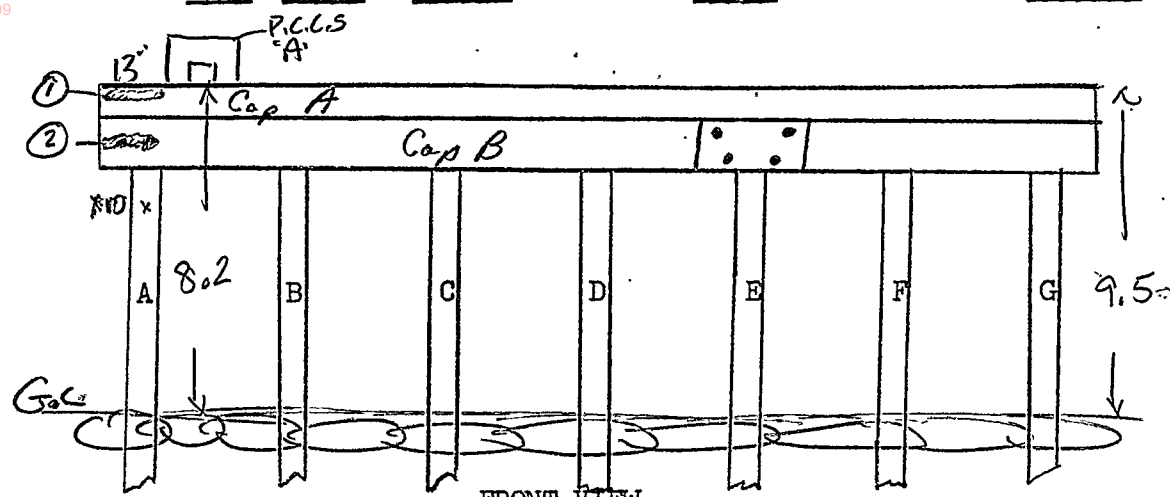
ELEMENT	RATING	COMMENT
BEARINGS	G F P C	NV
CAP	G (F) P C	SEE ① ②
PILING <u>A</u>	G (F) P C	medium weathering
	G F P C	
	G F P C	
<u>WINGS</u>	G (F) P C	medium weathering
<u>RIDGEO</u>	(G) F P C	

NOV 16 2021

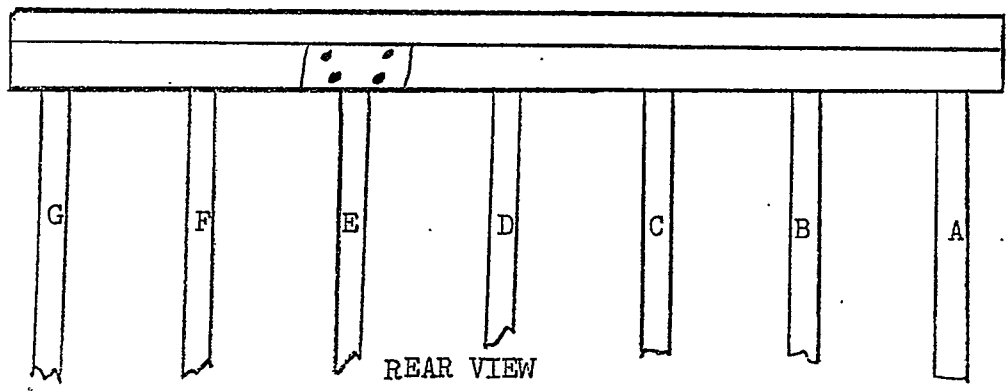
BRIDGE NO. 49 371 1.39

SK. \_\_\_\_\_

BENT NO. 1

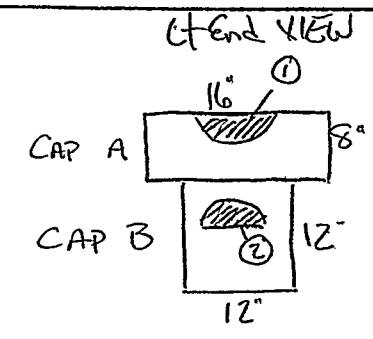


LT. END ☐ PLAN VIEW ☐ RT. END



REAR VIEW

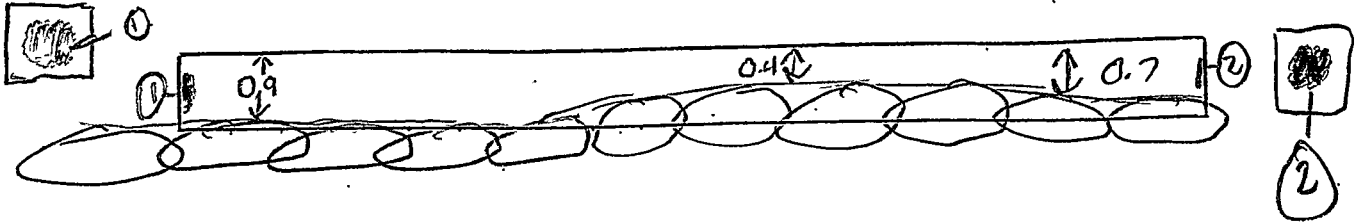
ELEMENT	RATING	COMMENT
BEARINGS	G F P C	N/A
CAP	G <u>F</u> P C	See ①, ② & Medium weathering
PILING A-G	G <u>F</u> P C	Medium weathering
PILING _____	G F P C	
PILING _____	G F P C	
Rip RAP	G <u>F</u> P C	
BRACING	G F P C	None



① Decayed  
5" W x 3 1/4" H x 14" D  
② Decayed  
6 1/4" W x 3" H x 12" Deep

NOV 16 2021  
AEUT\_NO. 2

left side view



① Delay  $\frac{10''}{\text{Diameter}} \times \frac{4''}{D}$

② Decay  
 $\frac{8''}{\text{Diameter}} \times \frac{1''}{D}$

LOOKING Ahead

ELEMENT	RATING	COMMENT
BEARINGS	G F P C	NV
CAP	G <del>F</del> P C	see ① ② light to medium weathering
PILING	G F P C	NV
	G F P C	
	G F P C	
<u>WINGS</u>	G <del>F</del> P C	light to medium weathering
	G F P C	



NOV 16 2021

<u>49SR0872003</u>	<u>49</u>	<u>SR371</u>	<u>0139</u>	<u>      </u>	SKEW: <u>90</u>
BRIDGE NO.:	CO.	ROUTE	L.M.	L/R	No. of Spans: <u>2</u>
					No. of Approach Spans:

Direction of Route



PLAN VIEW

REQUIRED DATA

1.

F = FIXED

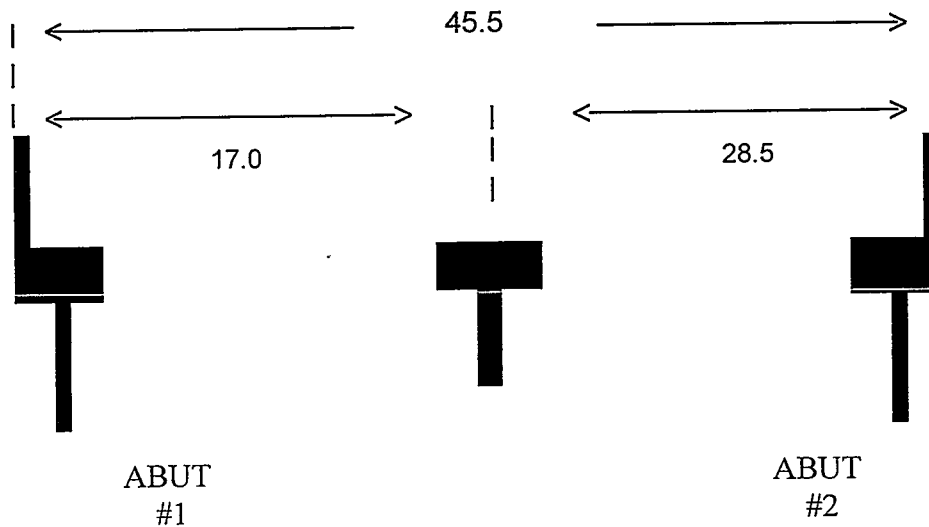
E = EXPANSION

2.

S = SIMPLE

C = CONTINUOUS

SIMPLE



NOV 16 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	16/3	Re Conc Top Flange	sq.ft	1,306.00	98%	1,277.00	2%	29.00	0%	0.00	0%	0.00
0	510/3	Wearing Surfaces	sq.ft	1,261.00	80%	1,010.00	20%	251.00	0%	0.00	0%	0.00
0	3210/3	Del/Spall/Patch/Pot(Wear Surf)	sq.ft	21.00	0%	0.00	100%	21.00	0%	0.00	0%	0.00
0	3220/3	Crack (Wearing Surface)	sq.ft	230.00	0%	0.00	100%	230.00	0%	0.00	0%	0.00
0	1090/3	Exposed Rebar	sq.ft	5.00	0%	0.00	100%	5.00	0%	0.00	0%	0.00
0	1120/3	Efflorescence/Rust Staining	sq.ft	14.00	0%	0.00	100%	14.00	0%	0.00	0%	0.00
0	1130/3	Cracking (RC and Other)	sq.ft	10.00	0%	0.00	100%	10.00	0%	0.00	0%	0.00
0	116/3	Re Conc Stringer	ft	364.00	46%	169.00	50%	180.00	4%	15.00	0%	0.00
0	1080/3	Delamination/Spall/Patched Area	ft	60.00	0%	0.00	100%	60.00	0%	0.00	0%	0.00
0	1090/3	Exposed Rebar	ft	60.00	0%	0.00	75%	45.00	25%	15.00	0%	0.00
0	1120/3	Efflorescence/Rust Staining	ft	30.00	0%	0.00	100%	30.00	0%	0.00	0%	0.00
0	1130/3	Cracking (RC and Other)	ft	30.00	0%	0.00	100%	30.00	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)	7.00	100%	7.00	0%	0.00	0%	0.00	0%	0.00
0	235/3	Timber Pier Cap	ft	31.00	94%	29.00	7%	2.00	0%	0.00	0%	0.00
0	1140/3	Decay/Section Loss	ft	2.00	0%	0.00	100%	2.00	0%	0.00	0%	0.00
0	330/3	Metal Bridge Railing	ft	91.00	100%	91.00	0%	0.00	0%	0.00	0%	0.00