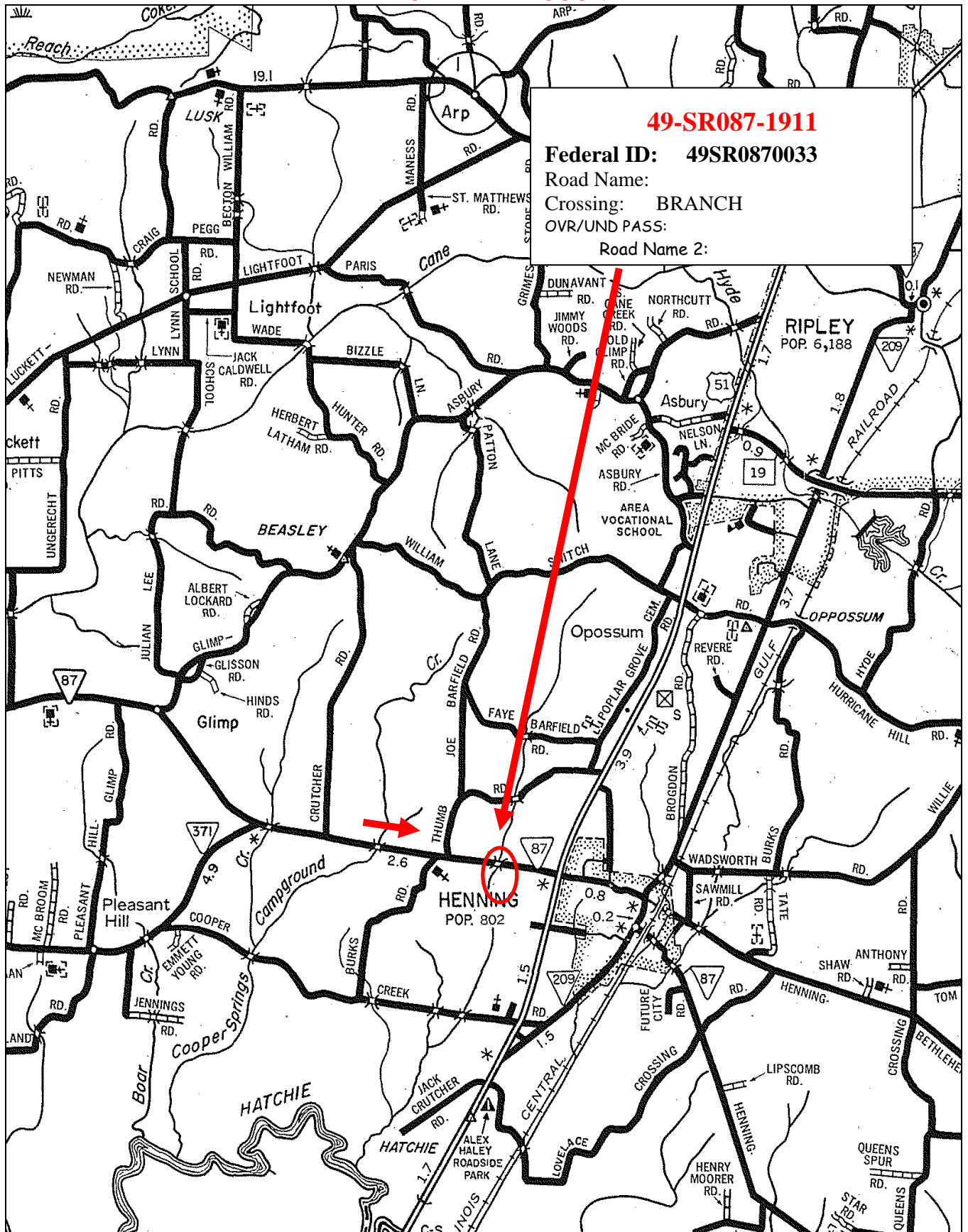


## LAUDERDALE COUNTY



# Bridge Maintenance Recommendations



Page No. \_\_\_\_\_  
Page 1 of 1

Bridge Location No.: **49 - SR087 - 1911**

Co.      Route      Log Mile

Crossing: BRANCH

Road Name:

Road Name #2:

Bridge Rating: POOR

Inspection Cycle: 26      County: LAUDERDALE

Inspection Date: 11/10/2021      City:

G.P.S.:      Comments:

N35    40.8600

W89    35.6866

Bridge Number: **49SR0870033**

Over/Underpass  
No:

Region:      04  
District:      49      Spec.Cas -0-  
Maint.Resp 02      Co.Seq:    01

Pipes:

                 @      ' x      '  
Barrels      Length      Width

## RECOMMENDATIONS:

Maintenance Completed:    by/date

### SUGGESTED ROUTINE MAINTENANCE:

238	BRIDGERAILS ARE SUBSTANDARD
228	APPROACH GUARDRAILS ARE SUBSTANDARD
185	REPAIR_TIMBER_PILE _G_ AT ABUTMENT NO. _2 (12-13-21 REPAIRED BY BRIDGE REPAIR)
043	CLEAN DRAINS IN SPAN NO. _1 & 2 (12-13-21 CLEANED BY BRIDGE REPAIR)
135	REPAIR_TIMBER_CAP "A" AT _BENT_ NO. _1 (12-13-21 CAPS "A" & "B" REPAIRED BY BRIDGE REPAIR)

### COMMENTS:

**Bridge Loc. No: 49 - SR087 - 19.11      Date: 12-13-21**



**STUBBED PILING "G" AT ABUTMENT #2 7 FT. FROM CAP**



**STUBBED PILING "G" AT ABUTMENT #2 7 FT. FROM CAP**

**Bridge Loc. No: 49 - SR087 - 19.11      Date: 12-13-21**



**REPLACED TIMBER CAP "A" & "B" AT BENT #1, RT. SIDE**



**REPLACED TIMBER CAP "A" & "B" AT BENT #1, RT. SIDE**



**Bridge Loc. No: 49 - SR087 - 19.11      Date: 12-13-21**



**STUBBED PILING "G" AT ABUTMENT #2 7 FT. FROM CAP**



**REPLACED TIMBER CAP "A" & "B" AT BENT #1, RT. SIDE**

Bridge Loc. No: 49 - SR087 - 19.11

Date: 12-13-21

Bridge Maintenance Recommendations			Page No. _____ Page 1 of 1	
Bridge Location No.: 49 - SR087 - 19.11			Bridge Number: 49SR0870033	
Co. Route Log Mile			Over/Underpass	
Crossing: BRANCH			Pin:	
Road Name:			Region: 04	
Road Name #2:			District: 49 Spec. Cas -0-	
Bridge Rating: POOR			Maint. Resp 02 Co. Seq: 01	
Inspection Cycle: 26			Pipes:	
Inspection Date: 11/10/2021			Barrels @ Length Width	
County: LAUDERDALE				
City:				
G.P.S.:				
N35 40.8600				
W89 35.6866				
Comments:				
RECOMMENDATIONS:			Maintenance Completed: by/date	
SUGGESTED ROUTINE MAINTENANCE:				
238	BRIDGERAILS ARE SUBSTANDARD			
228	APPROACH GUARDRAILS ARE SUBSTANDARD			
185	REPAIR TIMBER PILE G AT ABUTMENT NO. 2 Done			
043	CLEAN DRAINS IN SPAN NO. 1 & 2 Done			
135	REPAIR TIMBER CAP "A" AT BENT NO. 1 Done			
COMMENTS: 1. Replaced timber cap A + B at bent #1 right side. 2. Stubbed piling G at abutment #2 7'± from cap. 3. Cleared drain holes in spans 1+2. Completed 12/09/21 H.B				

REPAIR SHEET

**49-SR087-1911**  
**Federal ID: 49SR0870033**  
 Road Name:  
 Crossing: BRANCH  
 OVR/UND PASS:  
 Road Name 2:

# BRIDGE MAINTENANCE RECOMMENDATIONS



Tennessee Department  
of Transportation

COUNTY: LAUDERDALE  
LOCATION: 49-SR087-19.11-  
CO. SEQ.: 1 SPEC. CASE: 0

CROSSING: BRANCH  
FED. BRIDGE NO.: 49SR0870033  
MAINT. DIST.: 49

REPAIR LIST NO.: 3  
DATE ADDED: 05/17/2012  
REVISED: 11/10/2021

FACILITY CARRIED:	FAS 87	NUMBER OF MAIN SPANS:	2
HIGHWAY SYSTEM:	05-STP RURAL, STATE	NUMBER OF APPROACH SPANS:	0
BRIDGE WIDTH (CURB TO CURB):	29 FT 6 IN	BRIDGE LENGTH (FT):	38
BRIDGE WIDTH (OUT TO OUT):	32 FT 5 IN	MAXIMUM SPAN LENGTH (FT):	19
APPROACH ROADWAY (W/SHOULDERS):	34 FT 1 IN	SKEW ANGLE (DEGREES):	75

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:	11/10/2021	GENERAL CONDITION:	POOR
EVALUATION DATE:	03/19/2020	STRUCTURALLY DEFICIENT:	NO
PPRM PIN NUMBER:	126582.00		
H TRUCK RATING @ INV.:	15 TONS	SUFFICIENCY RATING:	47.5

## SUGGESTED ROUTINE MAINTENANCE AND COMMENTS

REPAIR OR REPLACE PILE "G" AT ABUTMENT NO.2  
REPAIR CAPBEAM "A" AT BENT NO.1  
CLEAR DRAINS  
APPROACH GUARDRAILS ARE SUBSTANDARD  
BRIDGERAILS ARE SUBSTANDARD

## GENERAL COMMENTS:





STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

# Bridge Condition Coding Form

Revised 11/12/2021

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="11/10/2021"/>	(Values for Coding Items 58, 59, 60 and 62)
	EARLIEST DATE OF NEXT REGULAR INSPECTION	<input type="text" value="09/11/2023"/>	
		<input type="text" value="/ /"/>	
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	99 FT. <input type="text" value="99"/> IN.	N NOT APPLICABLE
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	99 FT. <input type="text" value="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 0 0 1 50	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	5	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	4	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	<input type="text" value="POOR"/>	
16	LATITUDE	17 LONGITUDE	
	N 35° 40.8600'	W 89° 35.6867'	
TEAM LEADER SIGNATURE		REVIEW DATE	

**Bridge Loc. No: 49-SR087-19.11      Date: 11-10-21**



**BRIDGE NUMBER**



**DIRECTION OF ROUTE**



**Bridge Loc. No: 49-SR087-19.11      Date: 11-10-21**



**APPROACH # 1 WEIGHT LIMIT SIGN**



**VIEW ACROSS TOP OF DECK**

**Bridge Loc. No: 49-SR087-19.11      Date: 11-10-21**



**OFF TOP OF BRIDGE RIGHT SIDE**



**OFF TOP OF BRIDGE LEFT SIDE**



**Bridge Loc. No: 49-SR087-19.11      Date: 11-10-21**



**OPPOSITE DIRECTION OF ROUTE**



**APPROACH # 2 WEIGHT LIMIT SIGN**

**Bridge Loc. No: 49-SR087-19.11      Date: 11-10-21**



**ABUTMENT # 2**



**REAR SIDE OF BENT # 1**



**Bridge Loc. No: 49-SR087-19.11      Date: 11-10-21**



**LEFT ELEVATION**



**BOTTOM DECK OF SPAN # 1**

**Bridge Loc. No: 49-SR087-19.11      Date: 11-10-21**



**ABUTMENT # 1**



**RIGHT ELEVATION**



**Bridge Loc. No: 49-SR087-19.11      Date: 11-10-21**



**CAP "A" BENT # 1**



**PILE "G" ON ABUTMENT # 2**

NOV 10 2021

## BRIDGE INSPECTION REPORT

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

Field Report No.: 26 Date: 11/10/21  
Previous Report No.: 25 Date: 1/6/20  
Co. Seq 01 Plans: YES ( ) NO ( )

Bridge No. 49SR0870033 Bridge Location No. 49 - SR087 - 1911  
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 Structure Name (If Named)

FEATURES  
Wearing Surface Concrete ( ) Timber ( ) Asphalt (X) Depth 4" (in.)  
Flared Width Yes ( ) No (X) Median Width Open ( ) None (X) Closed ( )  
Navigational Control Yes ( ) No (X) Bridge Skew 75R ° LT ( ) RT ( )  
Structure Type (Main Span) P. C. C. S.  
Structure Type (Appr.Spans)  
No. Main Spans 2 No. Approach Spans  
Maximum Span Length 19.0 (\*\*. \* ft.)  
Total Length 38.0 (\*\*. \* ft.)

INSPECTORS  
1. Kee (TL)  
2. S. Hayes  
3. A. Hayes  
4. Cor  
5.  
6.  
7.  
8.

WIDTHS ( \*. \* ft.)  
Deck Out-to-Out 32.7  
Roadway Curb/Curb 29.5  
Roadway Rail/Rail  
Sidewalk Rt. Lt.  
\*Approach Roadway 22.0  
\*(Does Not Include Shoulders)  
Approach Shoulder Rt. 4.0  
Lt. 4.0

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 ° 40.8600 '  
LONGITUDE: W89 ° 35.6866 '  
G.P.S. Location

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

Supervising Bridge Inspector: Joel Taylor

NOV 10 2021

Form BIR 3.1

(Rev. 9-22-98)

DT-0080

Bridge Location No. 49 - SR087 - 1911

Co. Route Log Mile

Date

**PERFORMANCE EVALUATION**

Time of Day Inspected 11:10 am

Weather Conditions 70°F ± Sunny

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	

**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..... <u>40</u> Tons
ONE LANE BRIDGE ( )	( )	(X)	( )	3 or more Axles.. <u>40</u> Tons

Other Signs or Plaques:

None

Comments Regarding any  
Problems with Signing:

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

Bridge Location No. 49 - SR087 - 1911  
Co. Route Log Mile

NOV 10 2021  
Date

**DECK**

	Rating	Comments
Wearing Surface	G <u>(E)</u> P C	
Deck - Structural Condition	G F P C	
Curbs	<u>(G)</u> F P C	
Median	G F P C	
Sidewalks	G F P C	
Parapet	G F P C	
Railing	<u>(G)</u> F P C	
Paint	G F P C	
Drains	G F <u>(P)</u> C	All Spans (043)
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 <u>(F)</u> P C	
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
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 (X)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



NOV 10 2021

Form BIR 3.3  
(Rev. 9-22-98)  
DT-0082

Bridge Location No. 49 - SR087 - 1911  
Co. Route Log Mile

Date \_\_\_\_\_

**SUBSTRUCTURE**

PILES TO BE  
REPLACED

**ABUTMENTS**

	Rating	Comments	PILE(S)	ABUTMENT
Caps	G <u>(F)</u> P C			
Breastwall	G <u>(F)</u> P C			
Wings	G <u>(F)</u> P C			
Backwall	G F P C			
Plumb	G <u>(F)</u> P C			
Footing	G F P C			
Piles	G F <u>(P)</u> C	Abut #2 Pile "C" (185)		
Embankment	<u>(G)</u> F P C			
Bearing	G F P C			
Slope Paving Ret. wall	G <u>(F)</u> P C			
Rip Rap	G <u>(F)</u> 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 <u>(P)</u> C	Bent #1 cap "A" (135)		
Columns	G F P C			
Plumb	<u>(G)</u> F P C			
Footings	G F P C			
Piles	G <u>(F)</u> P C			
Bearing R.R. Rag	<u>(G)</u> F P C			
Bracing	G <u>(F)</u> P C			
Earthquake Devices	G F P C			

Piles Need Replacement: NO ( ) YES (X)

CUT VEGETATION NO (X) YES ( )

CLEAR DRIFT NO (X) YES ( )

RECOMMENDATIONS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NOV 10 2021

Form BIR 3.8

(Rev. 9-22-98)

DT-1508

Bridge Location No. 49 - SR087 - 1911

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 ( )
3. Bank vegetation: a. low growth (X) 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 (X) YES ( ) OCCASIONALLY ( ) 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 - SR087 - 19.11  
Inspection Date 11/10/21  
Bridge Rating Poor

This is a 2 span p.c.c.s. & timber bridge with 4 paddle boards, metal bridge rails, approach rails & 40 ton weight limit is posted on both approaches.

Approaches have up to 1/6" cracks & settlement.

Approach wearing surfaces have up to 1/8" cracks & settlement.

Drains are filled with debris.

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

The substructure has light to medium weathering, decay & 2" shakes with decay on pile "g" on abutment # 2.

Bent # 1 cap "a" has heavy decay.

Jaylan Cox

INSPECTOR

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

No change

NOV 10 2021

## GROUND ELEVATIONS

FEDERAL NUMBER ----- 49SR0870033

BRIDGE NO. ----- 49-SR087-19.11

DATE : 11/20/2000

CROSSING ----- BRANCH

4/23/2014

3/5/2018

NUMBER OF PIERS ----- 1

MLC- 11/10/21

LOCATION OF PIERS ----- 19

BENCH MARK ELEV. ----- 100

INSPECTORS  
ELLISON'S CREW

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

WATER ELEVATION -----

DISTANCE OF 0.00 = TOP OF BANK APPROACH 1 SIDE

DISTANCE AND ELEVATIONS ARE IN STANDARD MEASUREMENT



NOV 10 2021

BRIDGE NO. -----

49-SR087-19.11

DATE :

11/20/2000

UPSTREAM GROUND ELEVATION @ EDGE OF BRIDGE

11/20/2000

Distance from B.M.	Elevation
0	101.5
4	92.2
19	87.6
29	87.9
34	91.7
38	101.5

5/10/2012

Distance from B.M.	Elevation
-10	102.1
0	101.8
1	88.1
3	86.7
19	86.5
37	88.8
38	101.5
48	101.7

3/5/2018

Distance from B.M.	Elevation
-10	101.9
-5	101.5
0	101.3
2	88.9
6	86.3
12	85.6
19	87.2
25	89
36	90.5
38	100.1
43	101
48	101.3

NOV 10 2021

BRIDGE NO. -----

49-SR087-19.11

DATE :

11/20/2000

**DOWNSTREAM GROUND ELEVATION @ EDGE OF BRIDGE**

11/20/2000

Distance from B.M.	Elevation
0	101.5
4	95
19	90
34	90
38	101.5

5/10/2012

Distance from B.M.	Elevation
-10	101.3
0	101.8
1	91.5
10	89
19	88.9
37	87.7
38	101.6
48	101.1

3/5/2018

Distance from B.M.	Elevation
-10	101.2
-5	101.2
0	101.2
2	88.8
6	86.3
12	85.6
19	86.8
25	88.6
36	90.5
38	100.9
43	101
48	100.9

NOV 10 2021

BRIDGE NO. -----

49-SR087-19.11

DATE :

11/20/2000

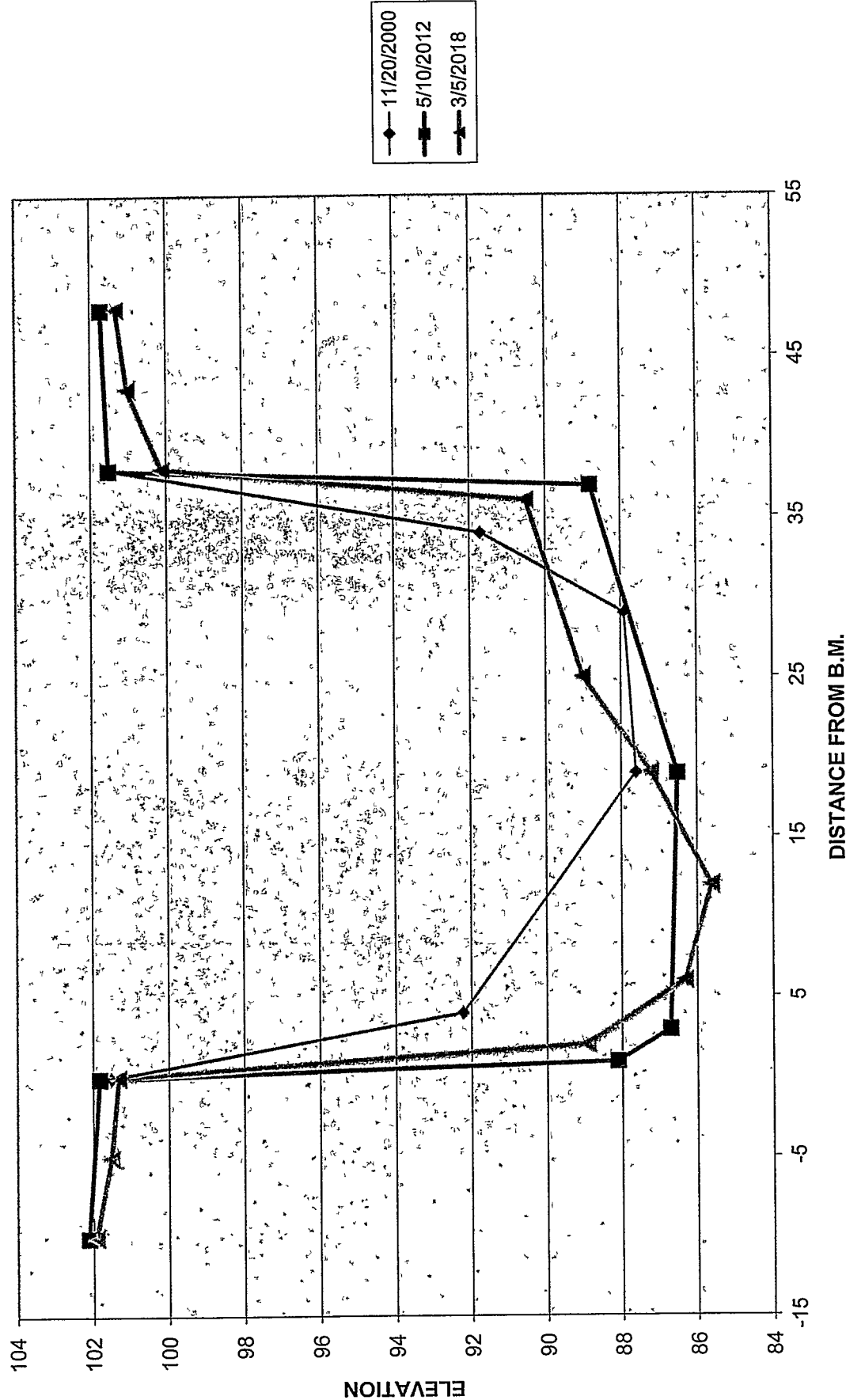
70' DOWNSTREAM, STREAMBED ELEVATIONS BANK TO BANK

4/23/2014	
Distance from B.M.	Elevation
-40	95.7
-16	101.4
10	85.7
15	86.7
19	85.2
28	85.3
46	94.4
70	106.5
100	104.2



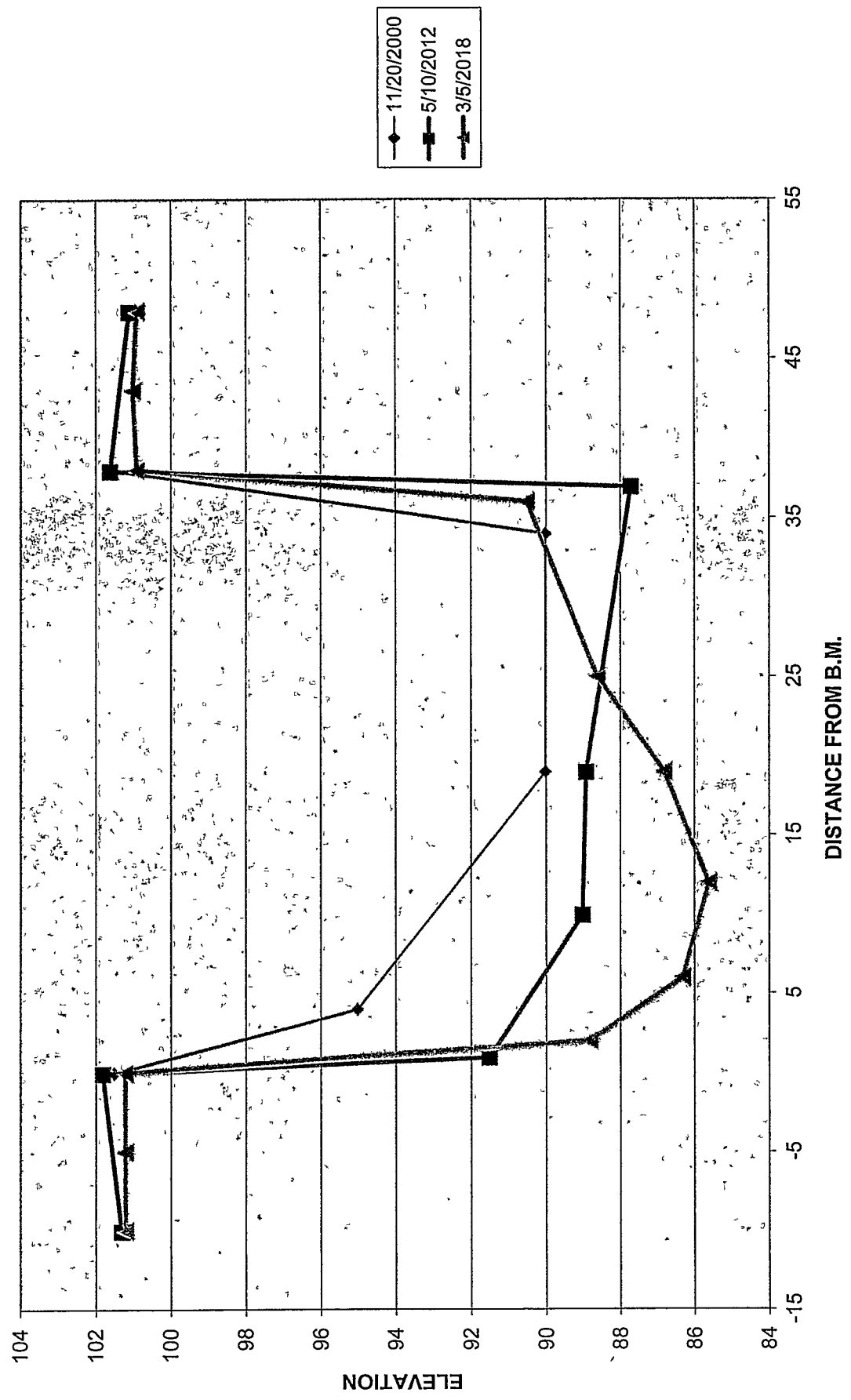
NOV 10 2021

49SR0870033 UPSTREAM D.L.

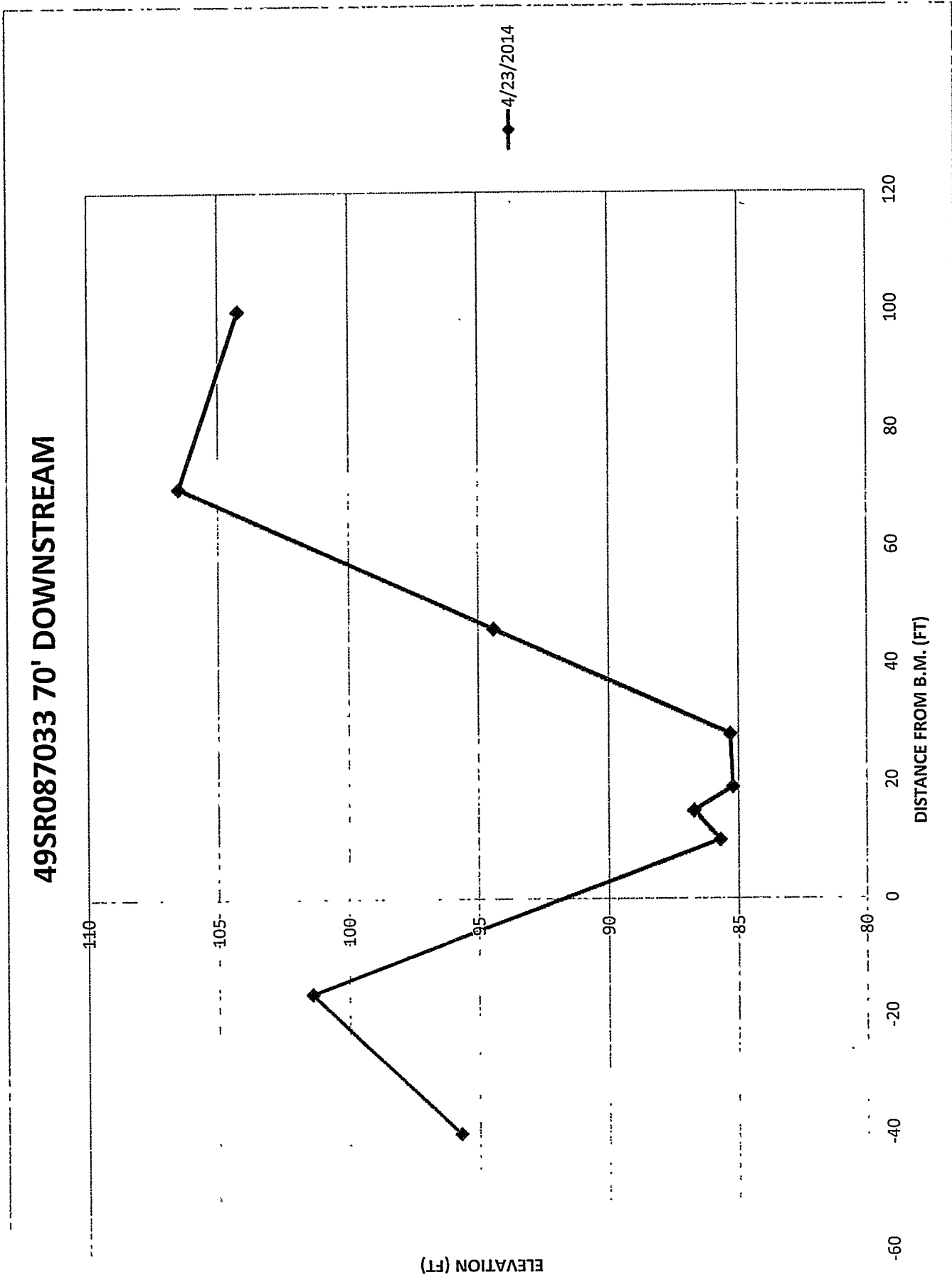


NOV 10 2021

49SR0870033 DOWNSTREAM D.L.



NOV 10 2021

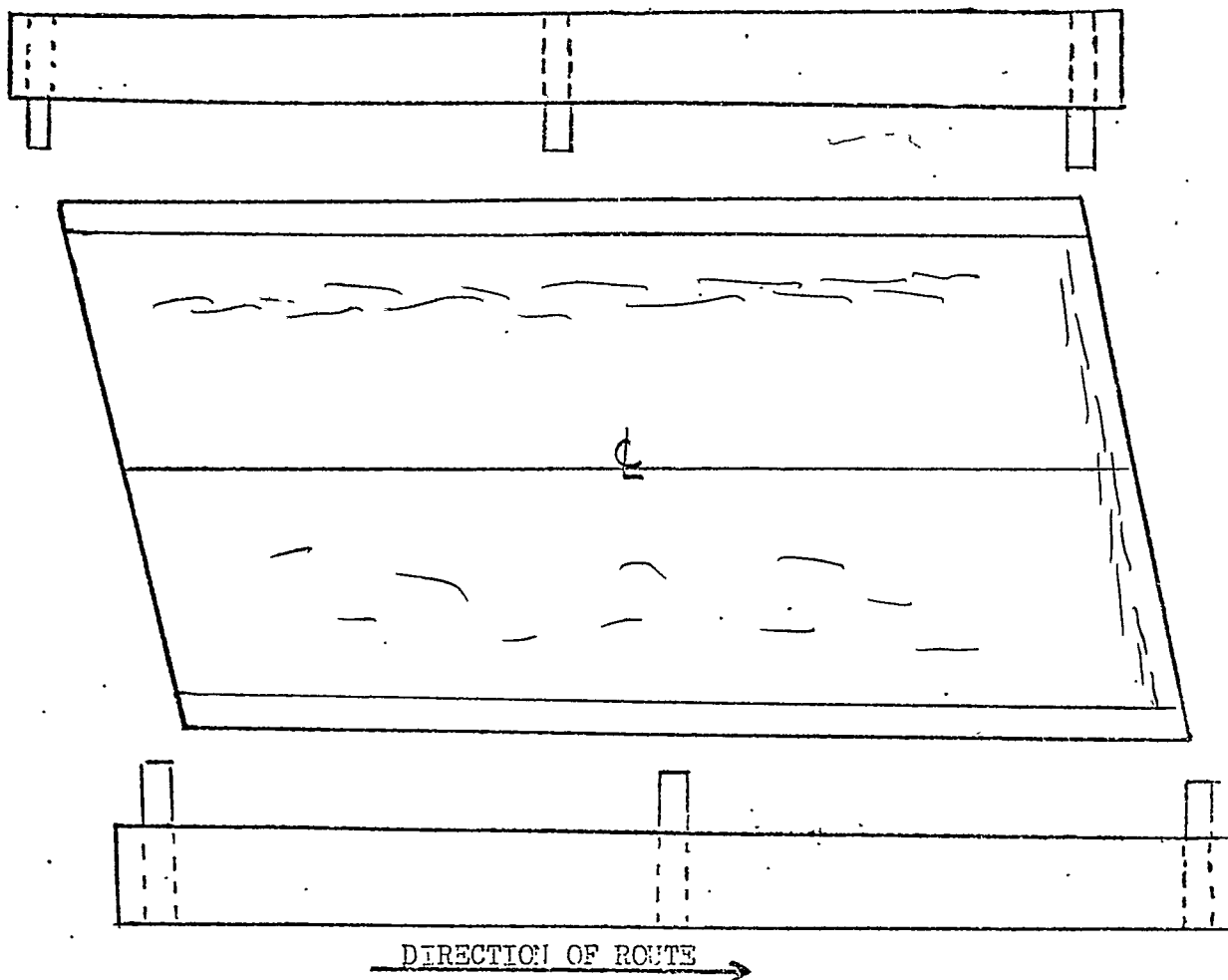




NOV 10 2021

BRIDGE NO. 49 87 1911

SKEW 75 RT. SPAN NO. 1



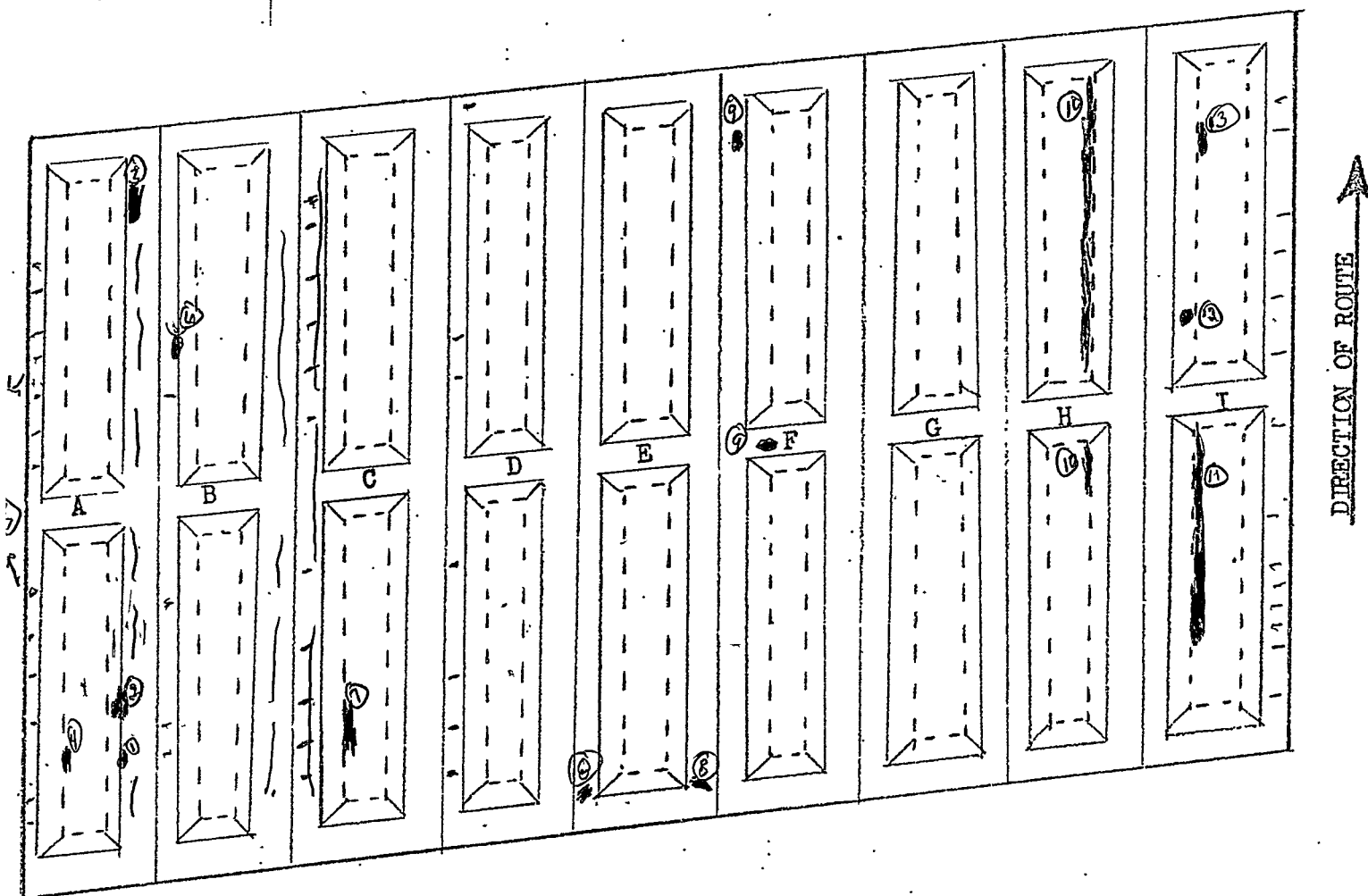
ELEMENT	RATING	COMMENT
TOP DECK	G <u>F</u> P C	Cracks up to 1/8"
CURBS	G <u>F</u> P C	
RAILS & POSTS	G <u>F</u> P C	
PAINT	G F P C	
DRAINS	G F <u>P</u> C	100% filled w/ debris
JOINTS	G F P C	

NOV 10 2021

BRIDGE NO. 49 87 1911 SK. 75 RT.

SPAN NO. 1

9 PRECAST CONCRETE SLABS



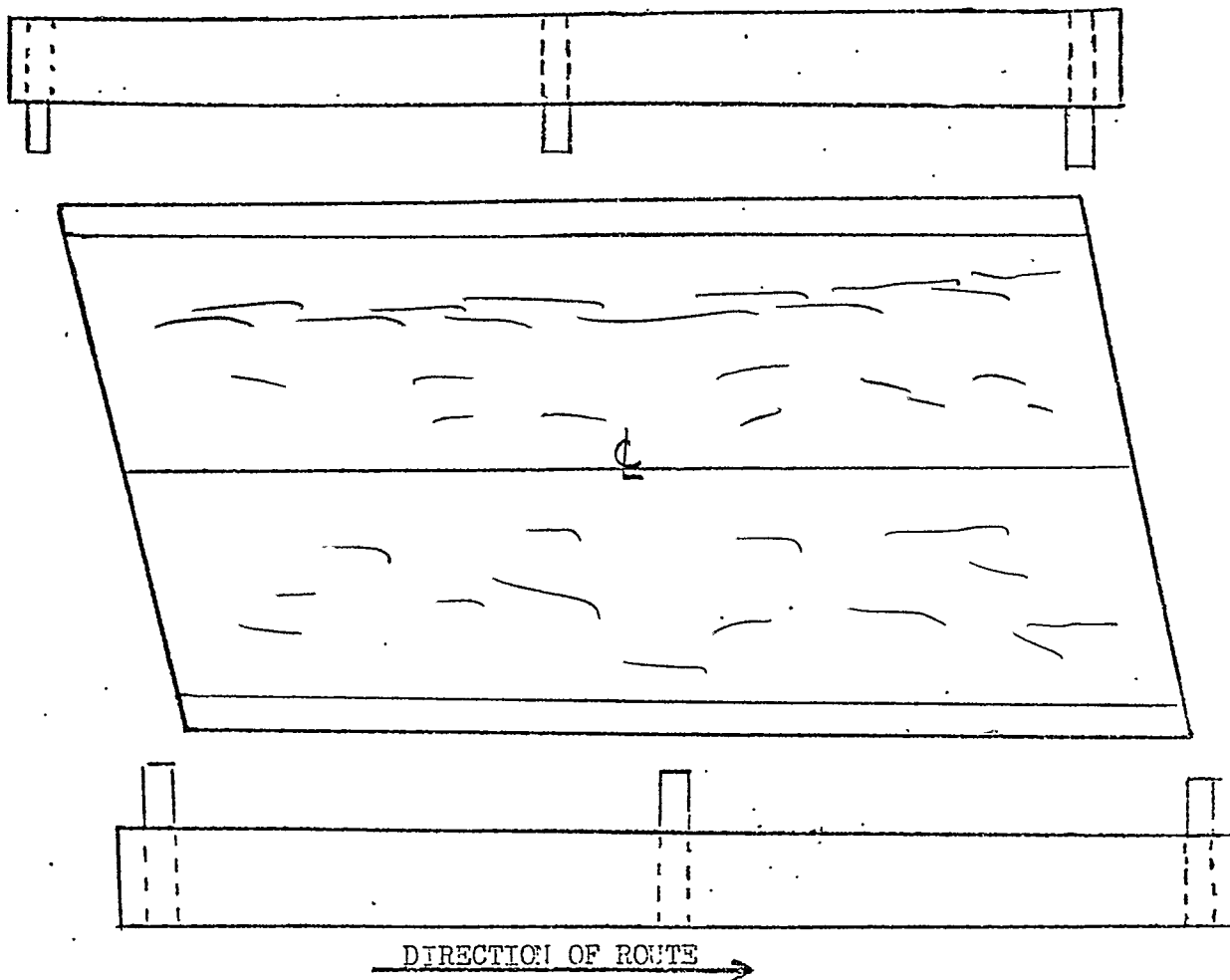
Element	Rating	Comment
SLAB	A G (F) P C	HAIRLINE CRACKS WITH EFF + SEE 1-5
	B G (F) P C	SEE 6 + SURFACE STEEL
	C G (F) P C	SEE 7 + FINE CRACKS + SURFACE RUST
	D G (F) P C	SURFACE RUST
	E G (F) P C	SEE 8
	F G (F) P C	SEE 9
	G (G) F P C	
	H G (F) P C	SEE 10
	I G (F) P C	SEE 11, 12, 13 + SURFACE RUST
BOLTS	(G) F P C	

- ① Spall to steel  $4\frac{1}{2}'' \times 1\frac{1}{2}''$
- ② Impending Spall  $1\frac{1}{2}'' \times 4\frac{1}{2}'' \times 3\frac{1}{2}''$
- ③ Spall to steel  $1\frac{1}{2}'' \times 6\frac{1}{2}'' \times 3\frac{1}{2}''$
- ④ Spalling  $1\frac{1}{2}'' \times 4\frac{1}{2}'' \times 1\frac{1}{2}''$
- ⑤ SURFACE STEEL
- ⑥ Spall to steel  $1\frac{1}{2}'' \times 6\frac{1}{2}'' \times 1\frac{1}{2}''$
- ⑦ | | |  $1\frac{1}{2}'' \times 6\frac{1}{2}'' \times 3\frac{1}{2}''$
- ⑧ Spalling  $1\frac{1}{2}'' \times 6\frac{1}{2}'' \times 3\frac{1}{2}''$
- ⑨ |  $6\frac{1}{2}'' \times 3\frac{1}{2}''$
- ⑩ Spall to steel  $8\frac{1}{2}'' \times 4\frac{1}{2}'' \times 5\frac{1}{2}''$
- ⑪ | | |  $6\frac{1}{2}'' \times 4\frac{1}{2}'' \times 5\frac{1}{2}''$
- ⑫ Spalling  $6\frac{1}{2}'' \times 2\frac{1}{2}''$
- ⑬ Spall to steel  $1\frac{1}{2}'' \times 3\frac{1}{2}'' \times 1\frac{1}{2}''$

NOV 10 2021

BRIDGE NO. 49 87 19.11

SKEW 75 RT. SPAN NO. 2

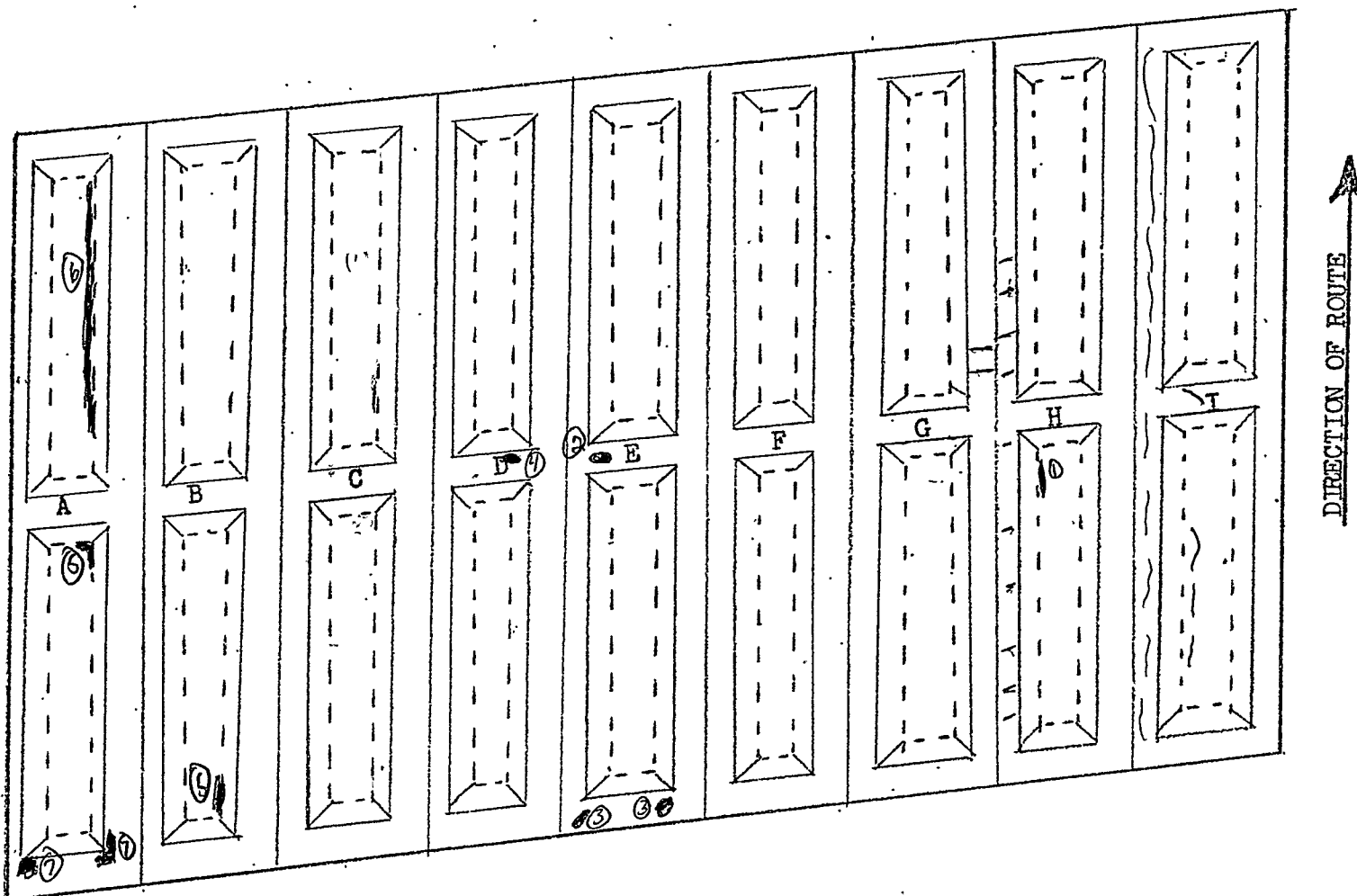


ELEMENT	RATING	COMMENT
TOP DECK	G <u>F</u> P C	Cracks up to 1/8"
CURBS	<u>G</u> F P C	
RAILS & POSTS	<u>G</u> F P C	
PAINT	G F P C	
DRAINS	G F <u>P</u> C	100% filled w/ debris
JOINTS	G F P C	

NOV 10 2021

BRIDGE NO. 49 87 19-10 SK. 75 °RT.  
9 PRECAST CONCRETE SLABS

SPAN NO. 2



Element	Rating	Comment
SLAB	A G (F) P C	SEE 5, 6, 7
	B G (F) P C	SEE 5
	C (G) F P C	
	D G (F) P C	SEE 4
	E G (F) P C	SEE 2, 3
	F (G) F P C	
	G (G) (F) P C	Hairline Cracks with Eff
	H G (F) P C	SEE 1 + Surface Rust
	I G (F) P C	Hairline Cracks with Eff
BOLTS	(G) F P C	

- ① Impending Spall  $1\frac{1}{2} \times 3\frac{1}{4} \times \frac{3}{8}$
- ② Spalling  $6\frac{1}{2} \times 4\frac{1}{2} \times 1\frac{1}{2}$
- ③  $4\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$
- ④  $6\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}$
- ⑤ Spall to Steel  $1\frac{1}{2} \times 6\frac{1}{2} \times 4\frac{1}{2}$
- ⑥  $6\frac{1}{2} \times 6\frac{1}{2} \times 5\frac{1}{2}$
- ⑦ Spalling  $1\frac{1}{2} \times 1\frac{1}{2}$



COMMENTS: \_\_\_\_\_

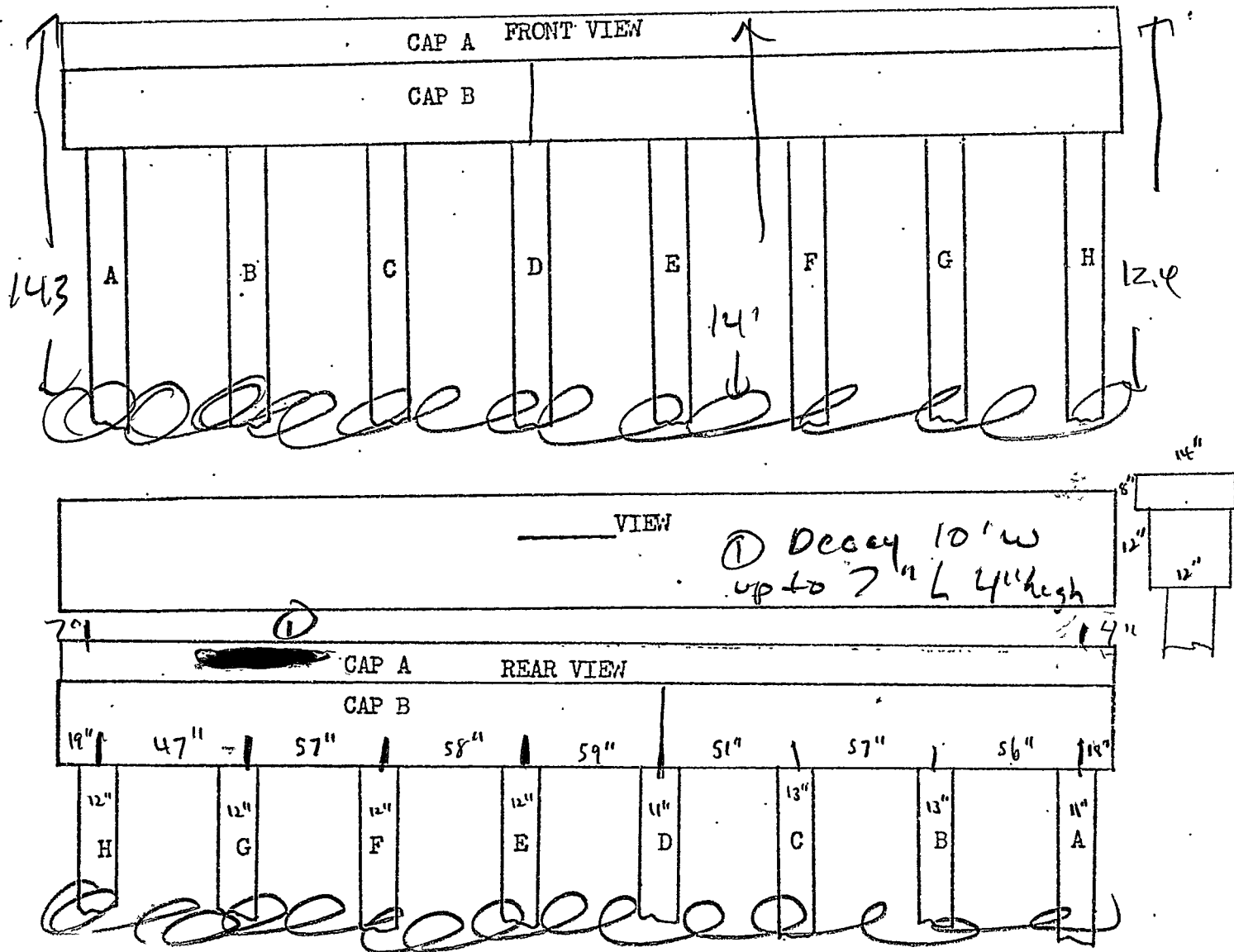
LOOKING BACK

ELEMENT	RATING	COMMENT
CAP	G F P C	Light to med weathering
PILING D	G F P C	Sp. after 6' h 6" w 1/2 nd deep
ABCEFGH	G F P C	Light to med weathering all piles
BREASTWALL	G F P C	Light to med weathering
WINGS & PILE	G F P C	Med weathering
EEB.	G F P C	Light growth
VEG.	G F P C	Light weathering
<u>Ret wall</u>	G F P C	Scattered
<u>Key</u>	G F P C	

BR. NO. 49 87 19.112

SK. 75 *PK*

NOV 10 2021  
BENT NO. 1



ELEMENT

RATING

COMMENT

BEARINGS

G F P C

CAP A

G F P C

CAP B

G P P C

PILING

A

G P P C

B

G F P C

C

G F P C

D

G F P C

E

G F P C

F

G F P C

G

G F P C

H

G F P C

Align

Brace

G P P C

Rip Rap

G P P C

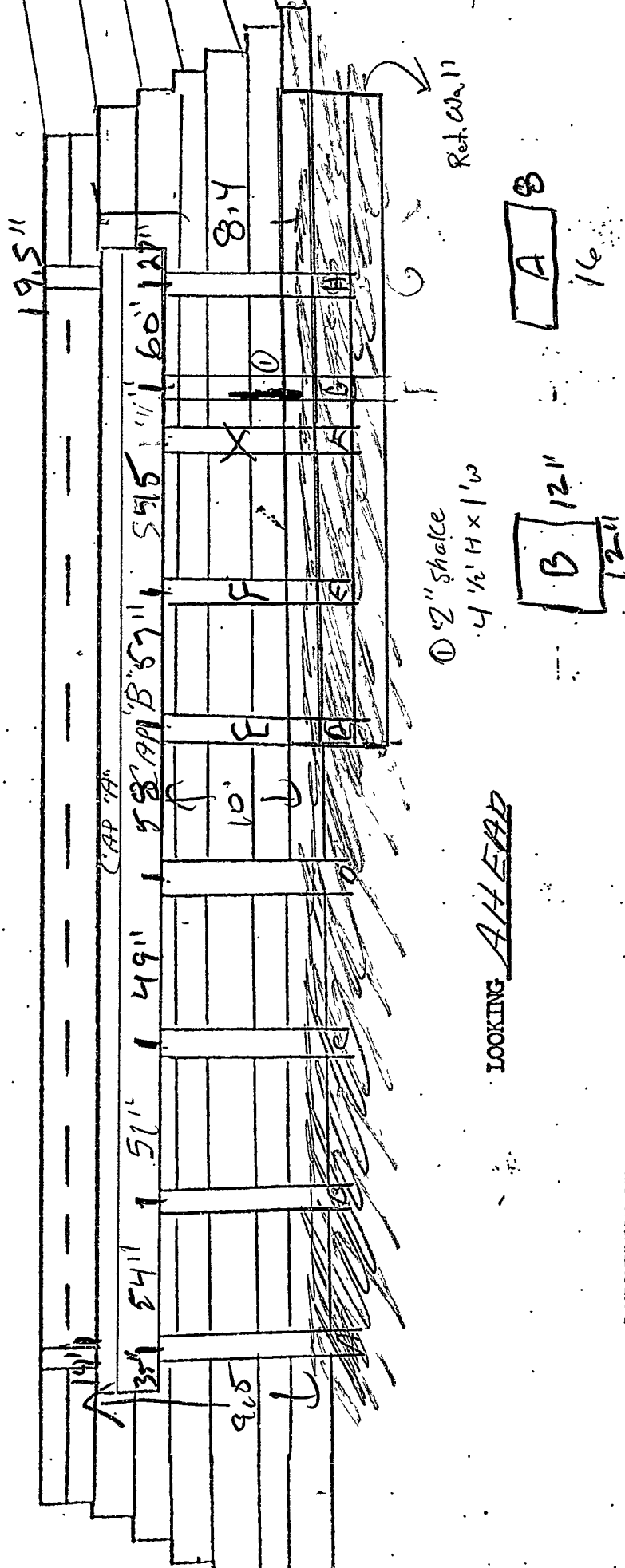
*N/A*  
① Light to med weathering

Light to med weathering  
all piles

Light weathering

BR. NO. 72 87 9.11

ADUT. NO. 2



ELEMENT	RATING	COMMENT
CAP CAP	G F P C G F P C	light to med. weathering
PILING	G F P C	1
BREASTHALL	G F P C	7
WINGS & PILE	G F P C	see D
EEB.	G F P C	light to med. weathering
VEG.	G F P C	light to med. weathering
ROCK	G F P C	light growth
	G F P C	med. weathering
	G F P C	



NOV 10 2021

<u>49SR0870033</u>	<u>49</u>	<u>SR087</u>	<u>1911</u>		SKEW: <u>75R</u>
BRIDGE NO.:	CO.	ROUTE	L.M.	L/R	No. of Spans: <u>2</u>
					No. of Approach Spans:

Direction of Route

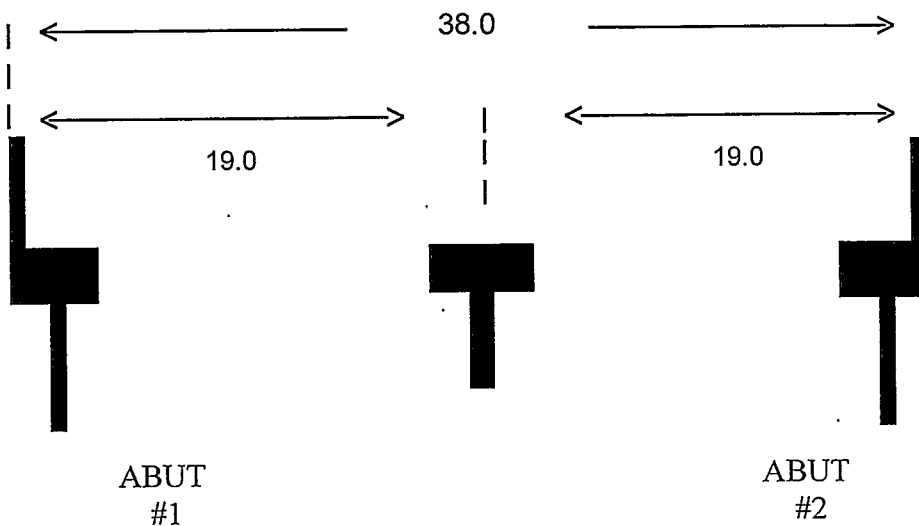


PLAN VIEW

REQUIRED DATA

1. F = FIXED  
E = EXPANSION
2. S = SIMPLE  
C = CONTINUOUS

SIMPLE



NOV 10 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	1,243.00	100%	1,243.00	0%	0.00	0%	0.00	0%	0.00
0	510/3	Wearing Surfaces	sq.ft	1,121.00	91%	1,021.00	9%	100.00	0%	0.00	0%	0.00
0	3220/3	Crack (Wearing Surface)	sq.ft	100.00	0%	0.00	100%	100.00	0%	0.00	0%	0.00
0	116/3	Re Conc Stringer	ft	342.00	66%	227.00	34%	115.00	0%	0.00	0%	0.00
0	1080/3	Delamination/Spall/Patched Area	ft	8.00	0%	0.00	100%	8.00	0%	0.00	0%	0.00
0	1090/3	Exposed Rebar	ft	37.00	0%	0.00	100%	37.00	0%	0.00	0%	0.00
0	1120/3	Efflorescence/Rust Staining	ft	65.00	0%	0.00	100%	65.00	0%	0.00	0%	0.00
0	1130/3	Cracking (RC and Other)	ft	5.00	0%	0.00	100%	5.00	0%	0.00	0%	0.00
0	216/3	Timber Abutment	ft	70.00	99%	69.00	0%	0.00	1%	1.00	0%	0.00
0	1150/3	Check/Shake	ft	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00
0	228/3	Timber Pile	(EA)	8.00	100%	8.00	0%	0.00	0%	0.00	0%	0.00
0	235/3	Timber Pier Cap	ft	34.00	71%	24.00	0%	0.00	29%	10.00	0%	0.00
0	1140/3	Decay/Section Loss	ft	10.00	0%	0.00	0%	0.00	100%	10.00	0%	0.00
0	330/3	Metal Bridge Railing	ft	76.00	100%	76.00	0%	0.00	0%	0.00	0%	0.00