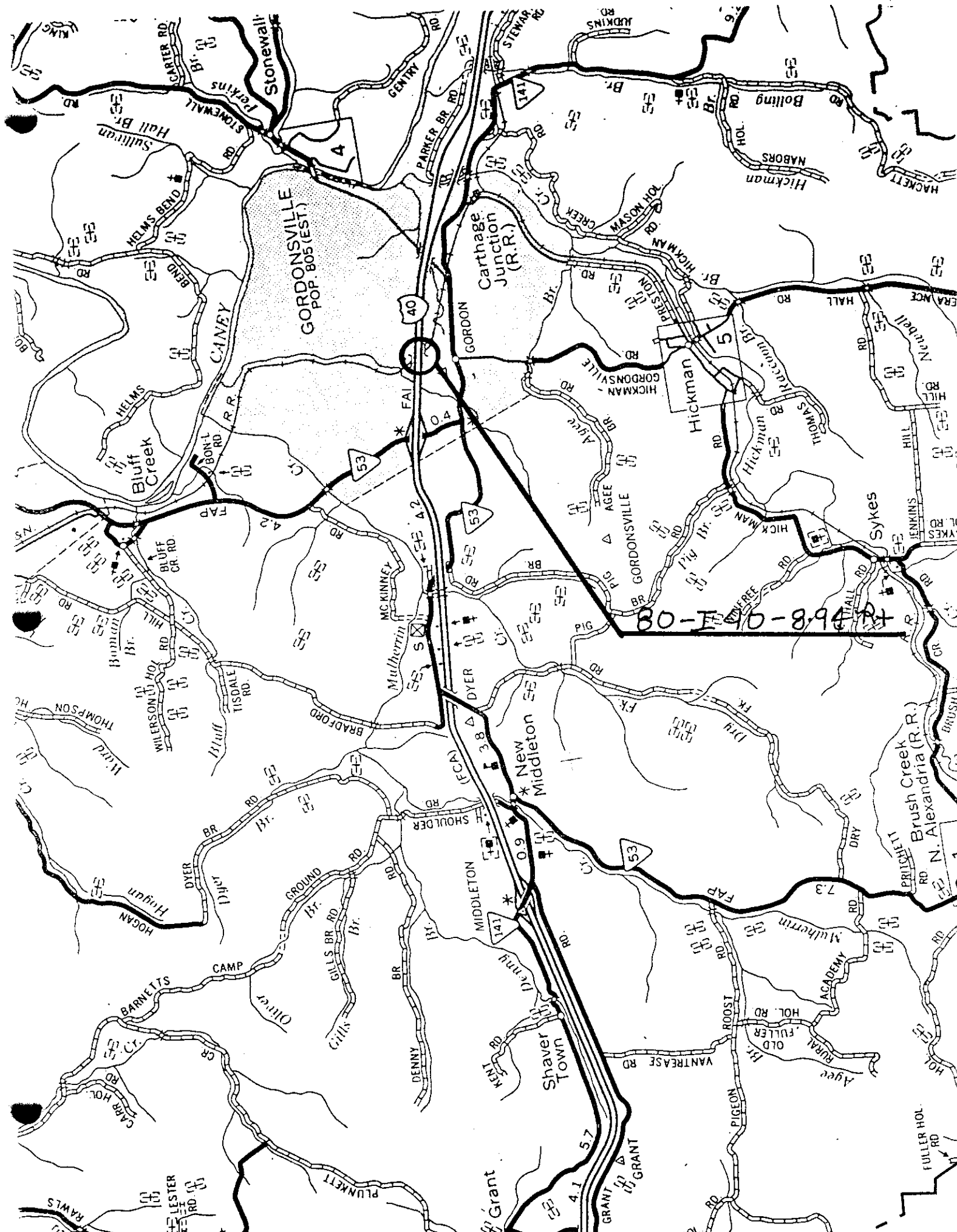




80-F-40-894-R

Bridge Maintenance Recommendations

Page No. _____

Page 1 of 1

Bridge Location No.: 80 - I0040 - 8.94 R

Co. Route Log Mile

Crossing: CSX RR & COUNTY ROAD *

Bridge Rating: GOOD

Inspection Cycle: 16

Inspection Date: 4/22/2003

Comments: -0-

Bridge Number: 80I00400017

County: Smith

Region: 03

District: 32

Maint.Resp.: 01

Spec.Case: 0

Co.Seq: 01

Maintenance Recommendations:

Maintenance Completed
By / Date

COMPLETION NOTIFICATION: RETURN WITHIN 6 MONTHS OF INSPECTION DATE.

INITIAL AND DATE RECOMMENDATIONS WHEN COMPLETED.

MAINTENANCE ACTIVITIES ARE COMPLETED (DATE) _____ BY _____

MAINTENANCE ACTIVITIES ARE PARTIALLY COMPLETED (DATE) _____ BY _____

MAINTENANCE ACTIVITIES ARE INCOMPLETE, SCHEDULED FOR (DATE) _____

EXPLANATIONS AND COMMENTS:

CONTACT:

MR. RAY MCCLELLAND
D.O.T. BRIDGE INSPECTION
6601 CENTENNIAL BLVD.
NASHVILLE, TN 37243

MR. DON GREER
D.O.T. BRIDGE INSPECTION
6601 CENTENNIAL BLVD.
NASHVILLE, TN 37243

Bridge Maintenance Recommendations

Page No. _____

Page 1 of 1

Bridge Location No.: 80 - I0040 - 8.94 R

Co. Route Log Mile

Crossing: CSX RR & COUNTY ROAD *

Bridge Rating: GOOD

Inspection Cycle: 15

Inspection Date: 6/11/01

Comments: -0-

Bridge Number: 80I00400017

County: Smith

Region: 03

District: 32

Maint.Resp.: 01

Spec.Case: 0

Co.Seq: 01

Maintenance Recommendations:

Maintenance Completed
By / Date

XXXX

COMPLETION NOTIFICATION: RETURN WITHIN 6 MONTHS OF INSPECTION DATE.

INITIAL AND DATE RECOMMENDATIONS WHEN COMPLETED.

MAINTENANCE ACTIVITIES ARE COMPLETED (DATE) _____ BY _____

MAINTENANCE ACTIVITIES ARE PARTIALLY COMPLETED (DATE) _____ BY _____

MAINTENANCE ACTIVITIES ARE INCOMPLETE, SCHEDULED FOR (DATE) _____

EXPLANATIONS AND COMMENTS:

CONTACT:

MR. RAY MCCLELLAND
D.O.T. BRIDGE INSPECTION
6601 CENTENNIAL BLVD.
NASHVILLE, TN 37243

MR. DON GREER
D.O.T. BRIDGE INSPECTION
6601 CENTENNIAL BLVD.
NASHVILLE, TN 37243

BRIDGE MAINTENANCE RECOMMENDATIONS

BRIDGE SEQ. NO. : 80I00400017

BRIDGE NO. : 80 - I0040 - 0894 - R
OVER : CSX RR & COUNTY ROAD *

DATE : 08/23/95 BRIDGE RATING : GOOD COUNTY : Smith
CO. SEQ. : 01 INSPECTION CYCLE : 14 MAINT DIST : 32
SPEC. CASE : 1 INSPECTION DATE : 06/10/99 REGION : 03

007 - FACILITY CARRIED BY STRUCT : I40 349207A
021 - MAINTENANCE RESPONSIBILITY : 01
022 - OWNER : 01
042 - TYPE OF STRUCTURE : 14
043 - STRUCTURE TYPE, MAIN : 505
044 - STRUCTURE TYPE, APPROACH : 000
045 - SPANS, MAIN UNIT : 004
046 - SPANS, APPROACH : 0000
049 - STRUCTURE LENGTH : 000222
032 - APPROACH ROADWAY WIDTH : 038
034 - SKEW : 47
051 - BRDG RDWY WID, CRB-TO-CRB : 0420
052 - DECK WIDTH, OUT-TO-OUT : 0440
500 - HWY OF THE INVENTORY ROUTE : 01

: MAINTENANCE & REPAIR RECOMMENDATIONS :

: MAINTENANCE COMPLETED :

1 XXX

1 BY _____ DATE _____

: COMMENTS FOR BRIDGE SEQ. NO. : 80I00400017 :

COMPLETION NOTIFICATION : RETURN WITHIN 6 MONTHS OF INSPECTION DATE

MAINTENANCE ACTIVITIES ARE

--- COMPLETED (DATE) -----
--- PARTIALLY COMPLETE (DATE) -----
--- INCOMPLETE SCHEDULED FOR (DATE) -----

EXPLANATIONS AND COMMENTS:

MEMORANDUM

DATE: 1-25-99

TO: Mr. Wayne Seger
Civil Engineering Manager I

FROM: Mr. Phillip Shraybman
Structural Specialist Supervisor II

SUBJECT: THE ADDITION OF 3.25" OF ASPHALT TO THE FOLLOWING

STRUCTURES(S): 80-I40-8.94/ CSX RR AND A COUNTY ROAD WBL & EBL
80-I40-9.77/ SR 264 AND A BRANCH WBL & EBL
80-I40-10.37/ HICKMAN CREEK AND NFA A156 WBL
80-I40-10.45/ HICKMAN CREEK AND NFA A156 EBL
80-I40-13.61/ CANEY FORK RIVER WBL & EBL
80-I40-15.43/ CANEY FORK RIVER WBL
80-I40-15.49/ CANEY FORK RIVER EBL
80-I40-16.14/ CANEY FORK RIVER EBL
80-I40-16.18/ CANEY FORK RIVER WBL
80-I40-17.13/ NFA A431 AND CANEY FK. RV.WBL & EBL

We have recently evaluated the above bridge(s) and have determined that the addition of the 3.25" of asphalt will be acceptable.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

Bridge Condition Coding Form

Revised 06/15/2000

Bridge Number: 80I004000171
(Includes Item 5A)

Feature Intersected: CSX RR & COUNTY ROAD

County: 80

Route: I0040

Special Case: 0

County Sequence: 01

Log Mile: 8.94

CODE ONLY THOSE VALUES WHICH HAVE CHANGED

ITEM #	DESCRIPTION	VALUE	CONDITION CODING GUIDELINES (Values for Coding Items 58, 59, 60 and 62)
90	INSPECTION DATE	<u>06/11/2001</u> <u>4 1221 03</u>	N NOT APPLICABLE
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	99 FT. 99 IN.	9 EXCELLENT CONDITION
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	99 FT. 99 IN.	8 VERY GOOD CONDITION - NO PROBLEMS NOTED.
36	TRAFFIC SAFETY FEATURES		7 GOOD CONDITION - SOME MINOR PROBLEMS.
	Br. Rail Trans. Appr. Rail Appr. Rail Ends		6 SATISFACTORY CONDITION - MINOR DETERIORATION OF STRUCTURAL ELEMENTS.
	1 1 1 1		5 FAIR CONDITION - ALL PRIMARY STRUCTURAL ELEMENTS ARE SOUND BUT MAY HAVE MINOR SECTION LOSS, CRACKING, SPALLING OR SCOUR.
41	STRC OPEN/CLOSED/POSTED	A	4 POOR CONDITION - ADVANCED SECTION LOSS, DETERIORATION, SPALLING OR SCOUR.
	A K P		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	7	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	7	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 BACK IN LIGHT SERVICE.
60	SUBSTRUCTURE	6	0 FAILED CONDITION - OUT OF SERVICE AND BEYOND CORRECTIVE ACTION.
61	CHANL/CHANL PROTECTION	N	
62	CULVERT AND RETAIN WALL	N	
71	WATERWAY ADEQUACY	N	
72	APPROACH RDWY ALIGNMENT (USE VALUES OF 3, 6, OR 8)	8	
521	OVERALL CONDITION (Circle One)		
	<u>GOOD</u> FAIR POOR CRITICAL		
	<u>Martin Daniel</u>	<u>4122103</u>	
	TEAM LEADER SIGNATURE	REVIEW DATE	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

Underpass Condition Coding Form

Revised 06/15/2000

Bridge Number: 80I004000172
(Includes Item 5A)

Feature Intersected: I40/CSX RR& A252 HOGAN R

County: 80

Route: 0A252

Special Case: 0

County Sequence: 01

Log Mile: 0.27

CODE ONLY THOSE VALUES WHICH HAVE CHANGED

ITEM #	DESCRIPTION	VALUE	UNDERPASS SAFETY FEATURES
90	INSPECTION DATE	<u>06/11/2001</u> <u>4 122 103</u>	515 (A) TYPE UNDERPASS BARRIER None Exists but Needed
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	20 FT. 4 IN. ____ FT. ____ IN.	Revised Barrier Type
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	20 FT. 4 IN. ____ FT. ____ IN.	(B) ADEQUACY OF BARRIER OR RAIL 0
47	TOTAL HORIZONTAL UNDERCLEARANCE	40 FT. 4 IN. ____ FT. ____ IN.	(C) ADEQUACY OF TRANSITIONS 0
54	MINIMUM VERTICAL UNDERCLEARANCE (EXCLUDES SHOULDERS) Circle One: <u>H</u> R <u>20</u> FT. <u>4</u> IN.		(D) ADEQUACY OF TERMINALS 0
55	MINIMUM LATERAL UNDERCLEARANCE ON RIGHT SIDE Circle One: <u>H</u> R <u>6</u> FT. <u>0</u> IN.		554 VERTICAL CLEARANCE LISTED ON HEIGHT POSTING 99 FT. 99 IN.
56	MINIMUM LATERAL UNDERCLEARANCE ON LEFT SIDE	<u>0</u> FT. <u>0</u> IN.	____ FT. ____ IN.
521	OVERALL CONDITION (Circle One) <u>GOOD</u> FAIR POOR CRITICAL		HEIGHT POSTED AT BOTH APPROACHES? YES [] NO ☒ N/A []
555	COMMENTS		

Martin Daniel
TEAM LEADER SIGNATURE

4 122 103
REVIEW DATE



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

Bridge Condition Coding Form

Revised 06/15/2000

Bridge Number: 801004000171
(Includes Item 5A)

Feature Intersected: CSX RR & COUNTY ROAD

County: 80

Route: 10040

Special Case: 0

County Sequence: 01

Log Mile: 8.94

CODE ONLY THOSE VALUES WHICH HAVE CHANGED

ITEM #	DESCRIPTION	VALUE	CONDITION CODING GUIDELINES (Values for Coding Items 58, 59, 60 and 62)
90	INSPECTION DATE	<u>06/10/1999</u>	
		<u>6 / 11 / 01</u>	N NOT APPLICABLE
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	99 FT. 99 IN.	9 EXCELLENT CONDITION
		FT. IN.	8 VERY GOOD CONDITION - NO PROBLEMS NOTED.
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	99 FT. 99 IN.	7 GOOD CONDITION - SOME MINOR PROBLEMS.
		FT. IN.	6 SATISFACTORY CONDITION - MINOR DETERIORATION OF STRUCTURAL ELEMENTS.
36	TRAFFIC SAFETY FEATURES		5 FAIR CONDITION - ALL PRIMARY STRUCTURAL ELEMENTS ARE SOUND BUT MAY HAVE MINOR SECTION LOSS, CRACKING, SPALLING OR SCOUR.
	Br. Rail Trans. Appr. Rail Appr. Rail Ends		
	1 1 1 1		
41	STRC OPEN/CLOSED/POSTED	A	4 POOR CONDITION - ADVANCED SECTION LOSS, DETERIORATION, SPALLING OR SCOUR.
	A K P		
58	DECK	7	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.
59	SUPERSTRUCTURE	7	
60	SUBSTRUCTURE	6	
61	CHANL/CHANL PROTECTION	N	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.
62	CULVERT AND RETAIN WALL	N	
71	WATERWAY ADEQUACY	N	
72	APPROACH RDWY ALIGNMENT (USE VALUES OF 3, 6, OR 8)	8	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 BACK IN LIGHT SERVICE.
521	OVERALL CONDITION (Circle One)		0 FAILED CONDITION - OUT OF SERVICE AND BEYOND CORRECTIVE ACTION.
	<u>GOOD</u> FAIR POOR CRITICAL		
	<u>Martin Daniel</u>	<u>6 / 11 / 01</u>	
	TEAM LEADER SIGNATURE	REVIEW DATE	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

Underpass Condition Coding Form

Revised 06/15/2000

Bridge Number: 801004000172
(Includes Item 5A)

Feature Intersected: 140/CSX RR& A252 HOGAN R

County: 80
Route: 0A252
Special Case: 0
County Sequence: 01
Log Mile: 0.27

CODE ONLY THOSE VALUES WHICH HAVE CHANGED

ITEM #	DESCRIPTION	VALUE	UNDERPASS SAFETY FEATURES
90	INSPECTION DATE	<u>06/10/1999</u> <u>6/11/01</u>	515 (A) TYPE UNDERPASS BARRIER <u>None Exists but Needed</u>
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	<u>20</u> FT. <u>4</u> IN. ____ FT. ____ IN.	Revised Barrier Type
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	<u>20</u> FT. <u>4</u> IN. ____ FT. ____ IN.	(B) ADEQUACY OF BARRIER OR RAIL <u>0</u>
47	TOTAL HORIZONTAL UNDERCLEARANCE	<u>40</u> FT. <u>4</u> IN. ____ FT. ____ IN.	(C) ADEQUACY OF TRANSITIONS <u>0</u>
54	MINIMUM VERTICAL UNDERCLEARANCE (EXCLUDES SHOULDERS)	Circle One: <u>(H)</u> R <u>20</u> FT. <u>4</u> IN.	(D) ADEQUACY OF TERMINALS <u>0</u>
55	MINIMUM LATERAL UNDERCLEARANCE ON RIGHT SIDE	Circle One: <u>(H)</u> R <u>6</u> FT. <u>0</u> IN.	554 VERTICAL CLEARANCE LISTED ON HEIGHT POSTING <u>99</u> FT. <u>99</u> IN.
56	MINIMUM LATERAL UNDERCLEARANCE ON LEFT SIDE	<u>0</u> FT. <u>0</u> IN.	____ FT. ____ IN.
521	OVERALL CONDITION (Circle One) <u>GOOD</u> FAIR POOR CRITICAL		YES [] HEIGHT POSTED AT BOTH APPROACHES? NO [] N/A [X]

555 COMMENTS _____

Martin Daniel
TEAM LEADER SIGNATURE

6/11/01
REVIEW DATE



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

Bridge Condition Coding Form

County: 80

Route: 10040

Special Case: 0

County Sequence: 1

Log Mile: 8.94

Bridge Number:
(Includes Item 5A)

80I004000171

Feature Intersected:

CSX RR & COUNTY ROAD

CODE ONLY THOSE NUMBERS WHICH HAVE CHANGED

ITEM #	DESCRIPTION	VALUE	COMMENTS
90	INSPECTION DATE	5/1/97	RATINGS FOR CODING ITEMS 58, 59, 60 AND 62
		6/1/10/99	N NOT APPLICABLE
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	99 FT. 99 IN.	9 EXCELLENT CONDITION
		FT. IN.	8 VERY GOOD CONDITION - NO PROBLEMS NOTED.
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	99 FT. 99 IN.	7 GOOD CONDITION - SOME MINOR PROBLEMS.
		FT. IN.	6 SATISFACTORY CONDITION - MINOR DETERIORATION OF STRUCTURAL ELEMENTS.
54	MINIMUM VERTICAL UNDERCLEARANCE (EXCLUDES SHOULDERS)	R 20 FT. 4 IN.	5 FAIR CONDITION - ALL PRIMARY STRUCTURAL ELEMENTS ARE SOUND BUT MAY HAVE MINOR SECTION LOSS, CRACKING, SPALLING OR SCOUR.
	Circle One: H R N	FT. IN.	4 POOR CONDITION - ADVANCED SECTION LOSS, DETERIORATION, SPALLING OR SCOUR.
36	TRAFFIC SAFETY FEATURES		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.
	Br. Rail Trans. Appr. Rail Appr. Rail Ends		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.
	1 1 1 1		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 BACK IN LIGHT SERVICE.
41	STRC OPEN/CLOSED/POSTED	A	0 FAILED CONDITION - OUT OF SERVICE AND BEYOND CORRECTIVE ACTION.
	A K P		
58	DECK	7	
59	SUPERSTRUCTURE	7	
60	SUBSTRUCTURE	6	
61	CHANL/CHANL PROTECTION	N	
62	CULVERT AND RETAIN WALL	N	
72	APPROACH RDWY ALIGNMENT (USE VALUES OF 3, 6, OR 8)	8	
	OVERALL CONDITION (Circle One)		
	GOOD FAIR POOR CRITICAL		
	<u>GOOD</u>		
	<u>6/1/10/99</u>		
	SIGNATURE	DATE	
	<u>Malcolm Wayne Hunter</u>		



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

Underpass Condition Coding Form

County: 80

Route: 0A252

Special Case: 0

County Sequence: 1

Log Mile: 0.27

Bridge Number: 80I004000172
(Includes Item 5A)

Feature Intersected: I40/CSX RR& A252 HOGAN R

CODE ONLY THOSE NUMBERS WHICH HAVE CHANGED

ITEM #	DESCRIPTION	VALUE	UNDERPASS SAFETY FEATURES
90	INSPECTION DATE	5/1/97 <u>6/1/99</u>	(A) TYPE UNDERPASS BARRIER None Exists but Needed
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	20 FT. 4 IN. ____ FT. ____ IN.	Revised Barrier Type
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	20 FT. 4 IN. ____ FT. ____ IN.	(B) ADEQUACY OF BARRIER OR RAIL 0
47	TOTAL HORIZONTAL UNDERCLEARANCE	40 FT. 4 IN. <u>38</u> FT. <u>0</u> IN.	(C) ADEQUACY OF TRANSITIONS 0
55	MINIMUM LATERAL UNDERCLEARANCE ON RIGHT SIDE ☒ R	6 FT. 10 IN. Circle One: ☒ H ☐ R ☐ N <u>6</u> FT. <u>00</u> IN.	(D) ADEQUACY OF TERMINALS 0
56	MINIMUM LATERAL UNDERCLEARANCE ON LEFT SIDE	0 FT. 0 IN. ____ FT. ____ IN.	VERTICAL CLEARANCE LISTED ON HEIGHT POSTING SIGNS 99 FT. 99 IN. ____ FT. ____ IN.

OVERALL CONDITION (Circle One)

☒ GOOD ☐ FAIR ☐ POOR ☐ CRITICAL

HEIGHT POSTED AT BOTH APPROACHES?

YES ☐ NO ☐ N/A ☒

NOTE: DESCRIBE ANY PROBLEMS ON BRIDGES THAT THE STATE DOES NOT INSPECT (SUCH AS RAILROAD OR PRIVATE BRIDGES) THAT WOULD AFFECT THE ROADWAY SUCH AS LOOSE MEMBERS, SEVERELY SPALLED OR CRACKED CONCRETE, EXCESSIVE SECTION LOSS ON STEEL, EXCESSIVE TIMBER DECAY, ETC. ALSO, DESCRIBE ANY UNSAFE ITEMS.

COMMENTS

J. Smith
SIGNATURE

6/10/99
DATE

BARS UPDATE RATING FOR ADDITIONAL DEAD LOAD

BRIDGE NUMBER: 80-I40-8.94 L&R LANES

NAME: ANDY McNABB

DATE: 01-25-1999

INPUT DATA

CHECK POINT BEING RATED : 4.0

RATING BASED ON : IF 3.25" A/C IS ADDED.

THIS IS A LOAD FACTOR ANALYSIS.....

EFFECTIVE BEAM SPACING.....	(FEET)...	6.5
SPAN LENGTH.....	(FEET)...	55
THICKNESS OF ADDITIONAL ASPHALT.....	(INCHES)...	3.25
MOMENT CAPACITY AVAILABLE AT INVENTORY LEVEL.....	(K-FT)...	800.3
MOMENT CAPACITY AVAILABLE AT OPERATING LEVEL.....	(K-FT)...	1333.9
H LIVELOAD MOMENT.....	(K-FT)...	368.6
HS LIVELOAD MOMENT.....	(K-FT)...	491.4

OUTPUT DATA - DUE TO MOMENT

DLW/FT	MCAP-INV	MCAP-OPER	DEAD LOAD MOMENT
.253	800.3	1333.9	124.61

MOMENT AVAIL - INV	MOMENT AVAIL - OPER
675.69	1209.29

H-LLM+I	HS-LLM+I
368.6	491.4

H AND HS RATINGS - DUE TO MOMENT

H@ INV	H @ OPER	HS @ INV	HS @ OPER
27.5	49.21	49.5	88.58999

Bridge No.: 80 — 10040 — 0894
Crossing:: CSX RR & COUNTY ROAD *
Federal No.: 80I00400017

Date:

April 22, 2003

PIC1



VIEW ACROSS DECK FROM A-APPR

Bridge No.: 80 — 10040 — 0894
Crossing:: CSX RR & COUNTY ROAD *
Federal Nc 80100400017

Date:

April 22, 2003

PIC2



BRIDGE NO. AT ABUTMENT # 1

PIC3



RIGHT SIDE VIEW

Bridge No.: 80 — 10040 — 0894
Crossing: CSX RR & COUNTY ROAD *
Federal No.: 80I00400017

Date:

June 11, 2001

PIC1



VIEW ACROSS DECK

Bridge No.: 80 — I0040 — 0894
Crossing:: CSX RR & COUNTY ROAD *
Federal No 80I00400017

Date:

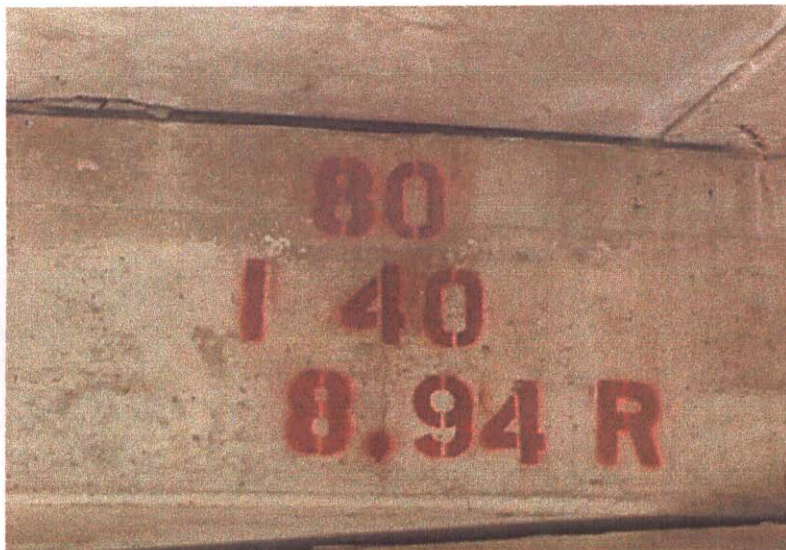
June 11, 2001

PIC2



RIGHT SIDE VIEW

PIC3



BRIDGE NO. AT ABUTMENT # 1

Bridge No.: 80 — 10040 — 0894
Crossing:: CSX RR & COUNTY ROAD *
Federal No.: 80I00400017

Date:

June 11, 2001

PIC4



POTHOLES @ JOINT B-APPR-TYPICAL

Bridge No.: 80 — 10040 — 0894
Crossing:: CSX RR & COUNTY ROAD *
Federal No.: 80I00400017

Date:

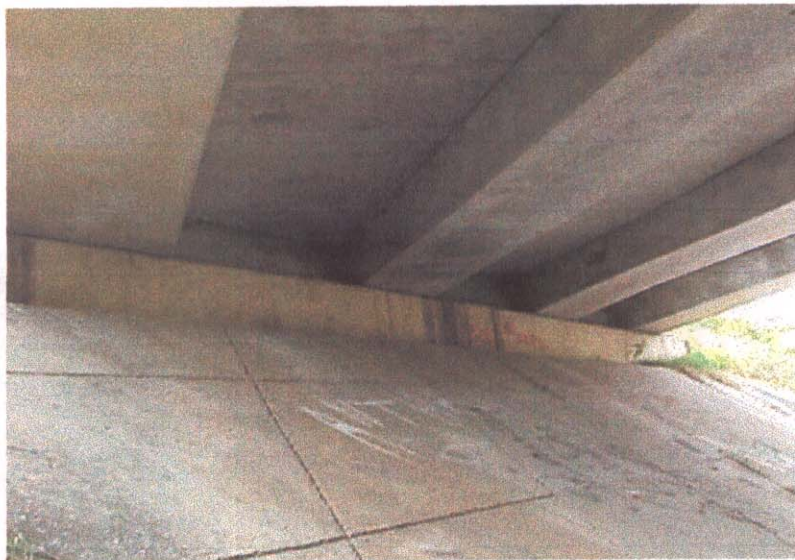
June 10, 1999

PIC4



BRIDGE NO. AT ABUTMENT # 1

PIC5



ABUTMENT TYPICAL

Bridge No.: 80 — 10040 — 0894

Crossing:: CSX RR & COUNTY ROAD *

Federal No.: 80100400017

Date:

June 10, 1999

PIC1



APPROACH #1

Bridge No.: 80 — 10040 — 0894
Crossing: CSX RR & COUNTY ROAD *
Federal No 80100400017

Date:

June 10, 1999

PIC2



APPROACH #2

PIC3



ACROSS TOP OF DECK

Bridge No.: 80 — 10040 — 0894
Crossing:: CSX RR & COUNTY ROAD *
Federal No.: 80I00400017

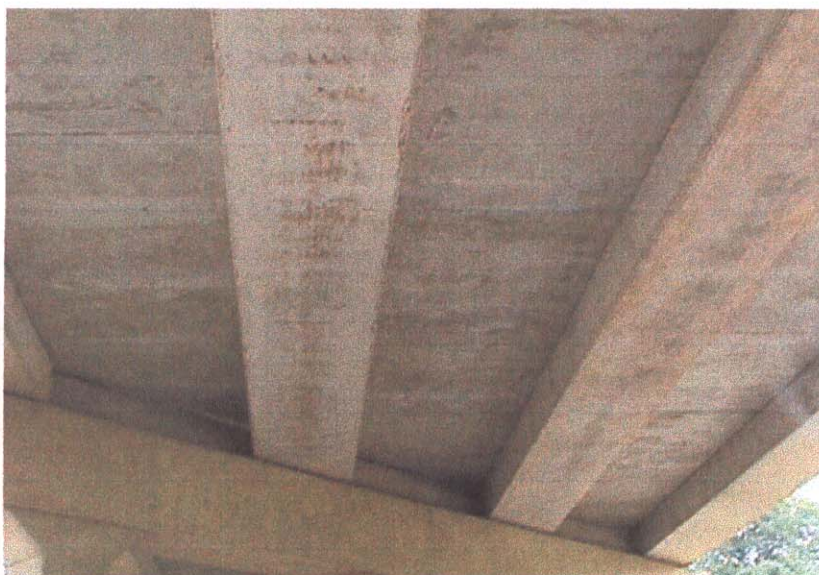
Date: June 10, 1999

PIC6



PIER TYPICAL

PIC7



BOTTOM OF DECK

Bridge No.: 80 — I0040 — 0894
Crossing:: CSX RR & COUNTY ROAD *
Federal No.: 80I00400017

Date:

June 10, 1999

PIC8



PIER #2 POP-OUT WITH EXPOSED REBAR ON BOTTOM

PIC9



RIGHT SIDE VIEW

ROUTINE BRIDGE INSPECTION REPORT

Page No. _____

Form BIR 3.0C
(Rev. 9-22-98)
DT-1537

Field Report No. 16 Date 4-22-03
Previous Report No. 15 Date 6/11/2001
Plans: yes

Bridge No. 80I00400017
Eleven Digit No.

Bridge Location No. 80 - I0040 - 8.94 R
Co. Route Log Mile

I 40 over CSX RR & COUNTY ROAD *
Road Name Crossing

Indepth Insp. Req'd: no
(If yes itemize limits under comment)

Structure Type HBB

FRACTURE CRITICAL: no

FEATURE CHANGES:

Wearing Surface _____ Type _____ Depth _____ (in.)
Bridge Rail _____ Describe changes: _____
Approach Rail _____

CLEARANCE CHANGES:

(If yes make changes below)

Vertical Clearance over deck _____ (ft.-in.)
Vertical Under Clearance _____ (ft.-in.)
Horizontal Under Clearance _____ (** ft.)
Deck Width Curb/Curb _____ (** ft.)
Deck Width Rail/Rail _____ (** ft.)
Sidewalk Width Rt. _____ Lt. _____

INSPECTORS

Daniel

Crutcher

Waller

Thompson

Condition: **GOOD** (If change describe in comments)

Comments

Approaches
Deck Condition (Item 58)
Superstructure (Item 59)
 a. Beams
 b. Bearings
 c. Diaphragms
Substructure (Item 60)
 a. Caps/Bridge Seats
 b. Columns/Piles
 c. Footings
 d. Wing W./Breast W.
Scour/Erosion
Channel (Item 61)

<u>G</u>	
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<u>G</u>	
<u>G</u>	
<u>G</u>	
<u>G</u>	
<u>G</u>	
<u>G</u>	
<u>G</u>	
<u>N/A</u>	
<u>G</u>	
<u>G</u>	
<u>N/A</u>	

UNDERWATER INSPECTION

To Be Performed By: n/a

Date Underwater Insp. _____

BRIDGE is: open

COMMENTS:

Weight Limit Posted no

Gross..... 5 Tons

2 Axle..... 5 Tons

3 or more Axles.. 5 Tons

Supervising Bridge Inspector: Martin Daniel

BRIDGE RATING: **GOOD**

SUMMARY
80-I40-8.94 RT
4/22/2003

I40/C.S.X. R.R. & County Rd.
4 Span/B.B.

This bridge was inspected and found to be in **good** condition. Approach and approach alignment are in good condition. The approach guardrail and bridge rail are standard type and good. There are no paddleboards.

The wearing surface has potholes developing around the joints which are paved over. There are some 1mm transverse cracks in the top deck. The bottom deck, bearing devices, all superstructure elements, and sub-structure units are in good condition, except bent #3 which has a 1" breakout with exposed steel on the cap and a 1/8" open crack on column "B". There is no underpass guardrail making this sub-standard type.

Martin Daniel

ROUTINE BRIDGE INSPECTION REPORT

Page No. _____

Form BIR 3.0C
(Rev. 9-22-98)
DT-1537

Field Report No. 14 Date 6/10/99
Previous Report No. 15 Date 6-11-01
Plans: yes

Bridge No. 80I00400017
Eleven Digit No.

Bridge Location No. 80 - I0040 - 8.94 R
Co. Route Log Mile

I40 over CSX RR & COUNTY ROAD * Indepth Insp. Req'd: no
Road Name Crossing (If yes itemize limits under comment)

Structure Type HBB FRACTURE CRITICAL: no

FEATURE CHANGES:

Wearing Surface _____ Type _____ Depth _____ (in.)
Bridge Rail _____ Describe changes:
Approach Rail _____

CLEARANCE CHANGES: (If yes make changes below)

Vertical Clearance over deck _____ (ft.-in.)
Vertical Under Clearance _____ (ft.-in.)
Horizontal Under Clearance _____ (*. ft.)
Deck Width Curb/Curb _____ (*. ft.)
Deck Width Rail/Rail _____ (*. ft.)
Sidewalk Width Rt. _____ Lt. _____

INSPECTORS

Daniel

Crutcher

Waller

Thompson

Condition: **GOOD** (If change describe in comments)

Comments

Approaches
Deck Condition (Item 58)
Superstructure (Item 59)
a. Beams
b. Bearings
c. Diaphragms
Substructure (Item 60)
a. Caps/Bridge Seats
b. Columns/Piles
c. Footings
d. Wing W./Breast W.
Scour/Erosion
Channel (Item 61)

G	potholes are developing @ joints Abut #1 & 2
G	
G	
G	
G	
G	
G	
G	Bent # 3 has a 1" dp B.O. w/ exp. steel
G	Bent # 3 has an 1/8" open crack on column "B"
N/A	
G	
—	
—	

UNDERWATER INSPECTION

To Be Performed By: n/a

Date Underwater Insp. _____

BRIDGE is: open

COMMENTS:

Weight Limit Posted no

Gross..... Tons

2 Axle..... Tons

3 or more Axles.. Tons

Supervising Bridge Inspector:

Martin Daniel

BRIDGE RATING: **GOOD**

SUMMARY
80-I40-8.94 RT
6-11-01

I40/C.S.X. R.R. & County Rd.
4 Span/B.B.

This bridge was inspected and found to be in **good** condition. Approach and approach alignment are in good condition. The approach guardrail and bridge rail are standard type and good. There are no paddleboards.

The wearing surface has potholes developing around the joints which are paved over. There are some 1mm transverse cracks in the top deck. The bottom deck, bearing devices, all superstructure elements, and sub-structure units are in good condition, except bent #3 which has a 1" breakout with exposed steel on the cap and a 1/8" open crack on column " B" . There is no underpass guardrail making this sub-standard type.

Martin Daniel

BRIDGE INSPECTION REPORT

FORM BIR 3.0
Rev. 09/24/98
DT-0069

FIELD REPORT NO. 14 DATE 6-10-99
REVIOUS REPORT NO. 13 DATE 5-6-97
PLANS ---- YES ☒ NO ☐

BRIDGE NO. 80I00400017
ELEVEN DIGIT NO.

BRIDGE LOC. NO. 80-I40-8.94 Rt
CO. ROUTE LOG MILE

I40 OVER CSX & County Rd.
ROAD NAME FEATURE INTERSECTED

YEAR CONSTRUCTED 1962 COUNTY Smith STRUCTURE NAME (IF NAMED)
(ESTIMATED OR ACTUAL)

[] [X]
YEAR WIDENED 1985
ESTIMATED OR ACTUAL
[] [X]

YEAR REHABILITATED 1985
ESTIMATED OR ACTUAL
[] [X]

FEATURES

WEARING SURFACE-- CONCRETE [] TIMBER [] ASPHALT ☒ (DEPTH= 2")
FLARED WIDTH ----- YES [] NO ☒
NAVIGATIONAL CONTROL-- YES [] NO ☒
MEDIAN WIDTH ----- OPEN ☒ NONE [] CLOSED []

BRIDGE SKEW 47° LT [] RT ☒

STRUCTURE TYPE H66 NO. SPANS 4
Main Span Main Span

STRUCTURE TYPE - NO. SPANS -
Approach Spans Approach Spans

MAXIMUM SPAN LENGTH 56.5' TOTAL LENGTH 224'

INSPECTORS

1. Hunter
2. Urelio
3. Daniel
4. Crytcher
5. Waller
6. _____
7. _____
8. _____
9. _____

WIDTHS
DECK OUT-TO-OUT 44'
ROADWAY CURB/CURB 42'
SIDEWALK _____ RT _____ LT _____
*APPROACH ROADWAY 24'
APPR. SHLD. 10' RT 4' LT
*DOES NOT INCLUDE SHOULDER

CLEARANCES
MIN. VERTICAL OVER DECK -
MIN. VERTICAL UNDER CL 20'5"
MIN. LATERAL UNDER CL 7' RT _____ LT _____

UNDERWATER INSPECTION

INSPECTION PERFORMED BY:
DOT FIELD TEAM [] DATE _____
CONTRACT DIVERS [] DATE _____
NONE REQUIRED ☒

(<25')
NBIS BRIDGE
LENGTH 7 25'
(ft) (in)

CHANGE IN STRUCTURAL CONDITION YES [] NO ☒
MAJOR REPAIRS MADE YES [] NO ☒

FRACTURE CRITICAL
DETAILS: YES [] NO ☒
IF YES, INCLUDE BIR 3.9

COMMENTS: _____

BRIDGE RATING ☒ [] [] []

SUPERVISING BRIDGE INSPECTOR

GOOD FAIR POOR CRITICAL

Gilbert Wayne Hunter

FORM BIR 3.1
Rev. 09/24/98
DT-0080

BRIDGE LOC. NO. 80 - I40 - 8.94 R+
CO. ROUTE L.M.

DATE: 6-10-99

PERFORMANCE EVALUATION

Time of day inspected 1:00 Weather conditions 90° SUNNY

Vehicles observed Tractor Trailer & passenger type

<u>LIVE LOAD BEHAVIOR</u>	<u>YES</u>	<u>NO</u>	<u>COMMENTS</u>
Substructure			
Horiz. & Vert. Defl. - - - []		☒	
Vibration - - - - - []		☒	
Superstructure			
Horiz. & Vert. Defl. - - - []		☒	
Vibration - - - - - ☒		☐	

APPROACH

	<u>G</u>	<u>F</u>	<u>P</u>	<u>C</u>	
Alignment	☒				
Slab	☒				<u>NA</u>
Joints	☒				<u>NV</u> <u>PAVED OVER</u>
Pavement	☒				<u>New AC overlay</u>
Embankment	☒				
Drains	☒				<u>NA</u>

TRAFFIC SAFETY FEATURES

	<u>G</u>	<u>F</u>	<u>P</u>	<u>C</u>	<u>STANDARD</u>	<u>SUB-STANDARD</u>
Bridgerailing	☒				☐	☐
Transitions	☒				☐	☐
Guardrail	☒				☐	☐
Guardrail Terminal	☒				☐	☐

SIGNING

	<u>YES</u>	<u>NO</u>	<u>NEEDED</u>	
Paddleboard - - - - -	☒	☐	☐	WEIGHT LIMIT POSTED
				YES ☐ NO ☒

Vertical Clearance (< 14') - - - - []	☐	☐	☐	
Narrow [] One Lane Bridge [] - []	☒	☐	☐	GROSS _____ TONS
				2 AXLE _____ TONS
				3 OR MORE
				AXLES _____ TONS

Other Signs or Plaques Paddleboard decal terminals

Comments Regarding Any Problems With Signing _____

Other Recommendations _____

FORM BIR 3.2
Rev. 09/24/98
DT-0081

BRIDGE LOC. NO. 80 - I40 - 8.74 Rt
CO. ROUTE L.M.

DATE: 6-10-99

DECK

COMMENTS

WEARING SURFACE	(G)	F	P	C	<u>New AC Overlay</u>
DECK - STRUCTURAL	(G)	F	P	C	
CONDITION					
CURBS	G	F	P	C	<u>NA</u>
MEDIAN	G	F	P	C	<u>NA</u>
SIDEWALKS	G	F	P	C	<u>NA</u>
PARAPET	(G)	F	P	C	
RAILING	G	F	P	C	<u>NA</u>
PAINT	(G)	F	P	C	
DRAINS	G	F	P	C	<u>NA</u>
LIGHTING STD'S	G	F	P	C	<u>NA</u>
UTILITIES	G	F	P	C	<u>NA</u>
JOINT LEAKAGE	(G)	F	P	C	
EXPANSION JOINTS	G	F	P	C	<u>NV paved over</u>

SUPERSTRUCTURE

COMMENTS

BEARING DEVICES	(G)	F	P	C	
GIRDERS OR BEAMS	(G)	F	P	C	
FLOOR BEAMS	G	F	P	C	<u>NA</u>
STRINGERS	G	F	P	C	<u>NA</u>
DIAPHRAGMS	(G)	F	P	C	
BRACING	G	F	P	C	<u>NA</u>
TRUSSES - GENERAL	G	F	P	C	
- PORTALS	G	F	P	C	
- BRACING	G	F	P	C	
PAINT	G	F	P	C	<u>NA</u>
ALIGNMENT OF MEMBERS	(G)	F	P	C	

TEXTURE COAT

CONDITION RATING	(G)	F	P	C	
OVERALL APPEARANCE	(G)	F	P	C	NEEDS SPOT PAINTING? YES ☒ NO ☐
STAINING	(G)	F	P	C	NEEDS REPAINTING? YES ☐ NO ☒
SCALING	(G)	F	P	C	
FADING	(G)	F	P	C	

COMMENTS: Needs spot painting because of Graffiti

RECOMMENDATIONS

FORM BIR 3.3
Rev. 09/24/98
DT-0082

BRIDGE LOC. NO. 80 - I40 - 8.94 Rt.
CO. ROUTE L.M.

DATE: 6-10-99

SUBSTRUCTURE

ABUTMENTS

COMMENTS

CAPS	(G)	F	P	C	
BREASTWALL	G	F	P	C	NA
WINGS	(G)	F	P	C	
BACKWALL	(G)	F	P	C	
PLUMB	(G)	F	P	C	
FOOTING	G	F	P	C	NV
PILES	G	F	P	C	NV
EMBANKMENT	(G)	F	P	C	
BEARING SURFACE	(G)	F	P	C	
BEARINGS	(G)	F	P	C	

SLOPE PAVING	(G)	F	P	C	
--------------	-----	---	---	---	--

PIERS

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 SURFACE	G	F	P	C	
BEARINGS	G	F	P	C	
BENTS					

CAPS	(G)	F	P	C	Breakout in bottom of cap at bent #2
COLUMNS	(G)	F	P	C	
PLUMB	(G)	F	P	C	
FOOTINGS	G	F	P	C	NV
PILES	G	F	P	C	NV
BEARING SURFACE	(G)	F	P	C	
BEARINGS	(G)	F	P	C	

SCOUR CONDITION NONE [X] _____

RECOMMENDATIONS: _____

SUMMARY
80-I40-8.94 RT
6-10-99

I40/C.S.X. R.R. & County Rd.
4 Span/B.B.

This bridge was inspected and found to be in good condition. Approach and approach alignment are in good condition. The approach guardrail and bridge rail are standard type and good. There are no paddleboards.

The wearing surface, joint leakage, and expansion joints are in good condition, however, there are some 1mm transverse cracks in the top deck. The bottom deck, bearing devices, all superstructure elements, and sub-structure units are in good condition, except bent #3 which has a 15m-20mm breakout with exposed steel on the cap and a 4mm open crack on column I B . There is no underpass guardrail making this sub-standard type.

Gilbert Hunter

FORM BIR 3.0A
Rev. 6-9-92
DT-1443

CURRENT FIELD REPORT NO. 14
PREVIOUS FIELD REPORT NO. 13

DATE 6-10-99
DATE 5-6-97

INSPECTION REPORT FOR UNDERPASS ROUTE

BRIDGE NO. 80100400017 UNDERPASS LOC. NO. 80 - A252 - 0.27
ELEVEN DIGIT NUMBER CO. RTE. L.M.

80 - I40 - 8.99 OVER 80 - A252 - 0.27
CO. RTE. L.M. CO. RTE. L.M. STRUCTURE NAME (IF NAMED)

COUNTY Smith

YEAR CONSTRUCTED 1962 YEAR WIDENED '85 YEAR REHABILITATED '85
ESTIMATED [] ACTUAL [X]

GEOMETRIC FEATURES UNDER BRIDGE

DIVIDED HIGHWAY - - - - LEFT RDWY [] RIGHT RDWY [] N.A. [X]
TYPE OF WEARING SURFACE - - - - CONCRETE [] ASPHALT [X] GRAVEL []
WIDTH OF APPROACH TRAVELED ROADWAY 23 FT. (DOES NOT INCLUDE SHOULDERS)
WIDTH OF MEDIAN IF DIVIDED HIGHWAY — FT.
APPROACH SHOULDER WIDTH 3 FT. (RT.) 6 FT. (LT.)
*HORIZONTAL CLEARANCE UNDER BRIDGE 38 FT. 0 IN.
*DISTANCE BETWEEN PIER PROTECTION GUARDRAIL AND
SUBSTRUCTURE — FT. (RT.) — FT. (LT.)
*WIDTH OF SIDEWALK UNDER BRIDGE — FT. (RT.) — FT. (LT.)
*MINIMUM VERTICAL CLEARANCE 20 FT. 4 IN.

*SHOW ON SKETCH

TRAFFIC SAFETY FEATURES FOR UNDERPASS ROUTE STANDARD SUB-STANDARD

PIER PROTECTION RAILING OR PARAPET	G	F	P	<u>C</u>	[]	[]	NON EXIST [X]
APPROACH GUARDRAIL TRANSITIONS	G	F	P	<u>C</u>	[]	[]	NON EXIST [X]
APPROACH GUARDRAIL	G	F	P	<u>C</u>	[]	[]	NON EXIST [X]
APPROACH GUARDRAIL TERMINAL	G	F	P	<u>C</u>	[]	[]	NON EXIST [X]

SIGNING FOR UNDERPASS ROUTE

PADDLEBOARD	YES []	NO [X]	NEEDED []
VERTICAL CLEARANCE (< 14'6")	YES []	NO [X]	NEEDED []
NARROW PASSAGE	YES []	NO [X]	NEEDED []
ONE LANE PASSAGE	YES []	NO [X]	NEEDED []
CURVE	YES []	NO [X]	NEEDED []
SPEED LIMIT	YES []	NO [X]	NEEDED []

INSPECTORS

1. HUNTER
2. CIRELLO
3. DANIEL
4. CRUTCHER
5. WALLER
6. —

FORM BIR 3.0A (CONTINUED)
Rev. 6-9-92
DT-1443 UND

UNDERPASS LOC. NO. 80 - A252 - 0.27
CO. RTE. L.M.

OTHER SIGNS OR PLAQUES

COMMENTS REGARDING ANY PROBLEM WITH SIGNING

BRIDGE- FEATURES

BRIDGE SKEW _____
STRUCTURE TYPE _____

MAIN SPAN

NO. SPANS _____
MAIN TYPE _____

STRUCTURE TYPE APPROACH SPAN

NO.	SPANS	APPROACH TYPE
1	10	10
2	10	10
3	10	10
4	10	10
5	10	10
6	10	10
7	10	10
8	10	10
9	10	10
10	10	10
11	10	10
12	10	10
13	10	10
14	10	10
15	10	10
16	10	10
17	10	10
18	10	10
19	10	10
20	10	10
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31	10	10
32	10	10
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87	10	10
88	10	10
89	10	10
90	10	10
91	10	10
92	10	10
93	10	10
94	10	10
95	10	10
96	10	10
97	10	10
98	10	10
99	10	10
100	10	10

MAXIMUM SPAN LENGTH _____ FT.

TOTAL LENGTH FT.

WIDTH OF BRIDGE OUT-TO-OUT _____ FT. (RT. < TO L OF BRIDGE)

WIDTH OF BRIDGE OUT-TO-OUT _____ FT. (AT: $\angle$ TO E OF BRIDGE)
WIDTH OF BRIDGE ALONG SKEW _____ FT. (IF UNABLE TO MEASURE AT RT. $\angle$ TO
L OF BRIDGE)

NUMBER OF LANES/TRACKS ON BRIDGE 2

BRIDGE CONDITION

G

F

P

C

DOES POTENTIAL EXIST FOR ELEMENTS FROM BRIDGE FALLING ON ROADWAY
BENEATH? YES [] NO [X]

DOES POTENTIAL EXIST BECAUSE OF DETERIORATED CONDITION FOR FAILURE OF MAJOR MEMBERS? YES [] NO [X]

COMMENT ON ANY CONDITIONS OF BRIDGE THAT WOULD EFFECT ROADWAY BENEATH

NOTE: IF UNDERPASS ROUTE IS DIVIDED HIGHWAY, USE TWO (2) OF THESE FORMS, ONE FOR EACH ROADWAY.

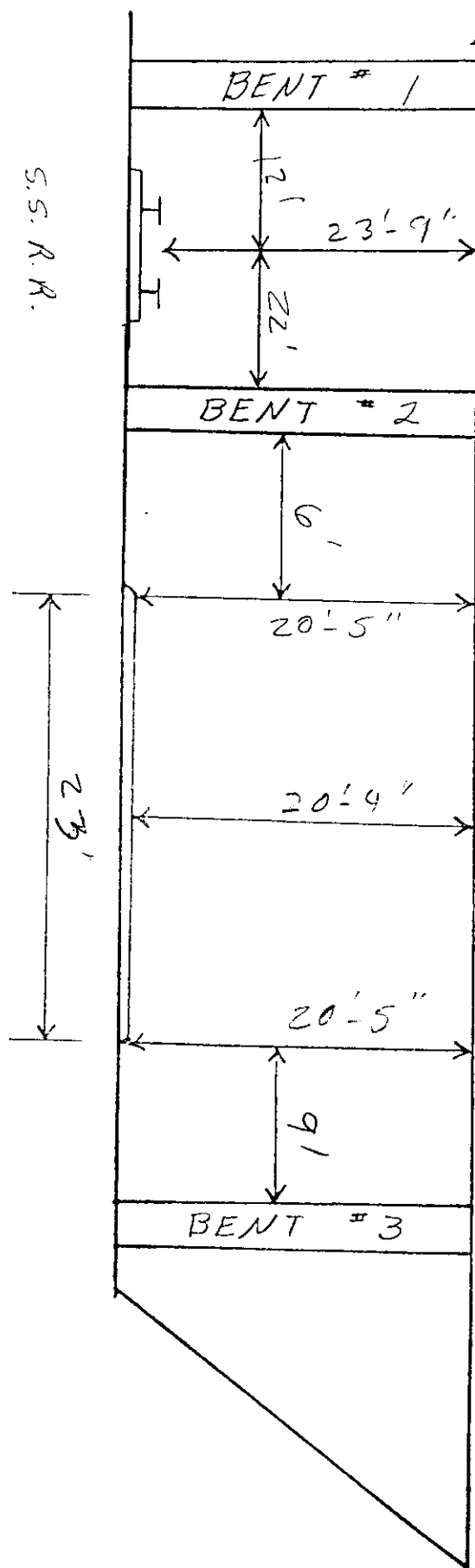
MINIMUM PICTURES REQUIRED

1. ELEVATION VIEW OF BRIDGE ON BOTH SIDES SHOWING UNDERPASS
2. VIEW SHOWING BOTH APPROACHES TO BRIDGE
3. VIEW SHOWING SAFETY FEATURES
4. VIEW SHOWING ANY PROBLEMS

6-10-99

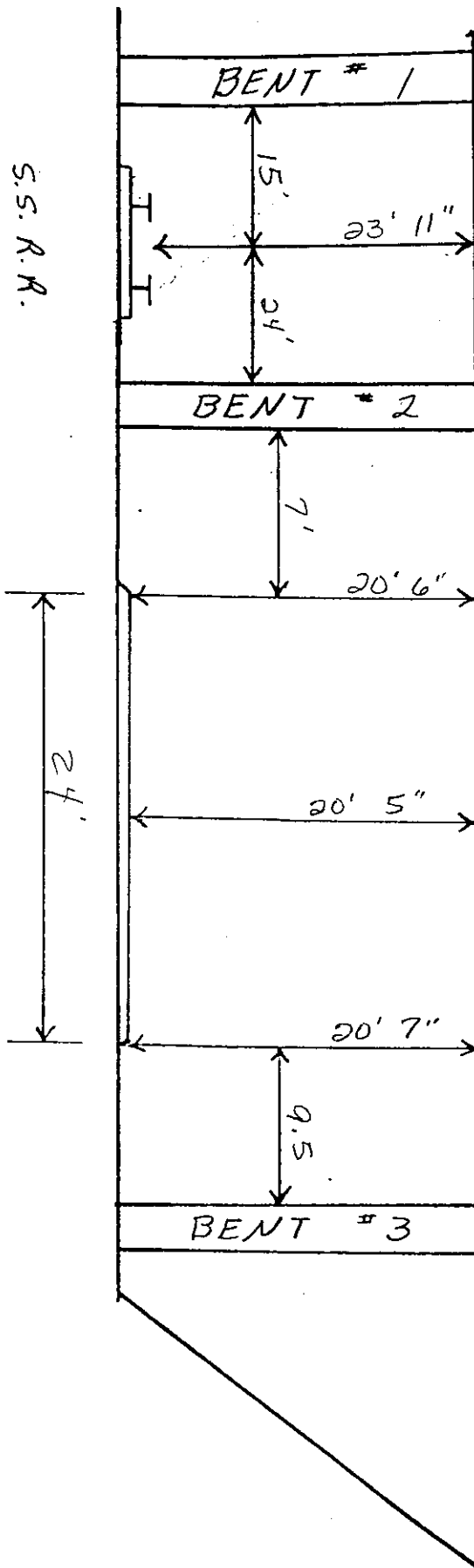
Clearance Sketch

80-140-8.94 RT. →

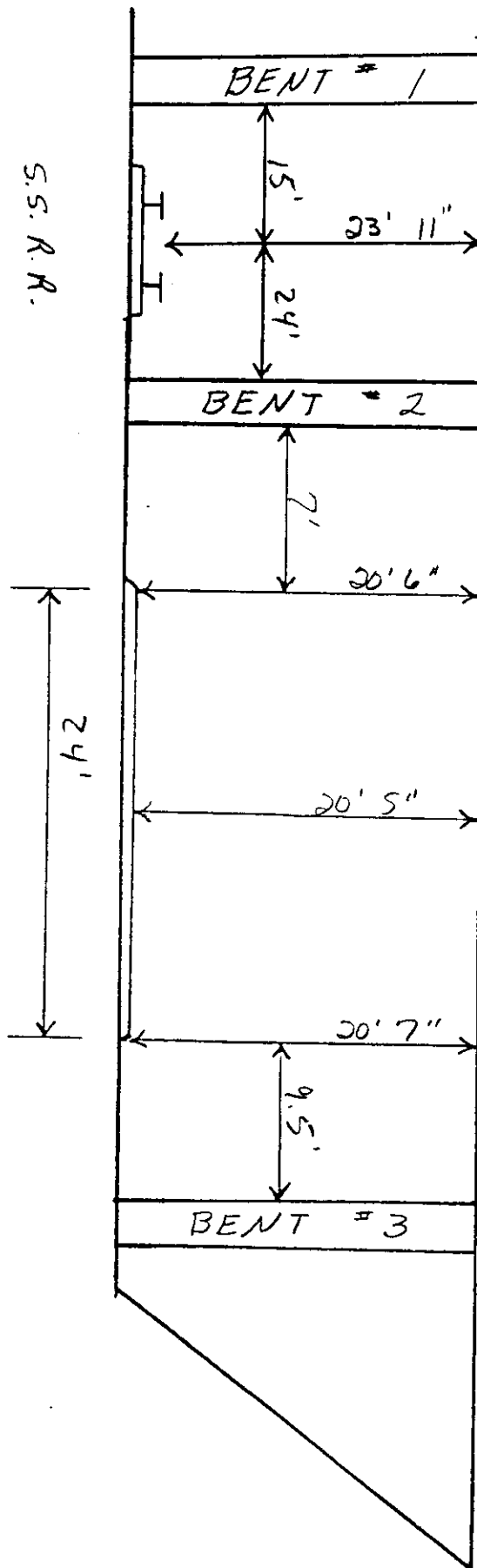


80-140-8.94

MAR 20 1992



80-A252-0.27



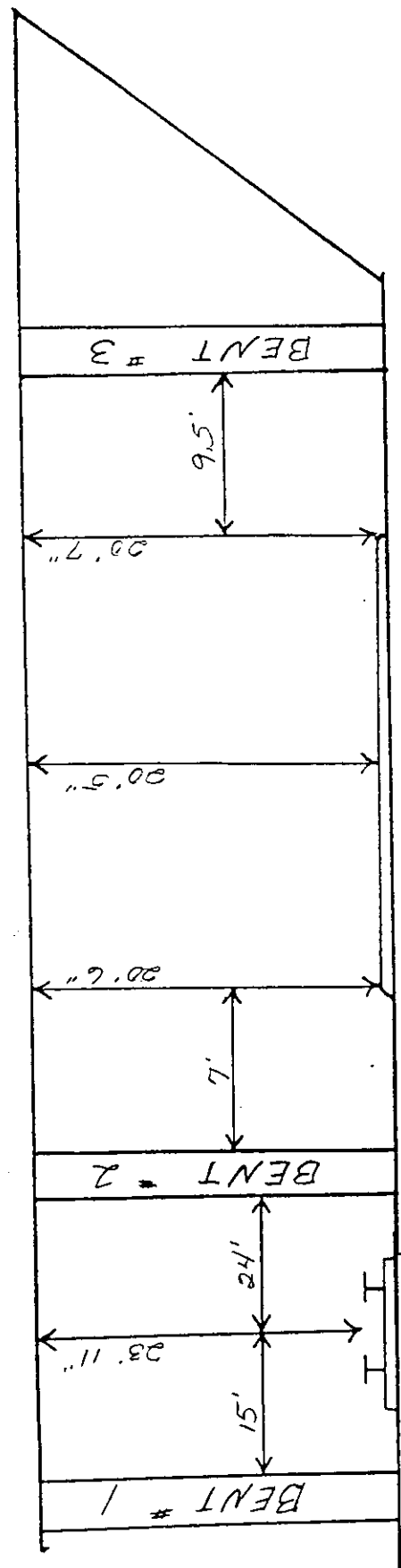
S.S.R.R.

80-4252-0.24

80-140-8.94 RT.

JAN 28 1988

80-140-8.94 RT.



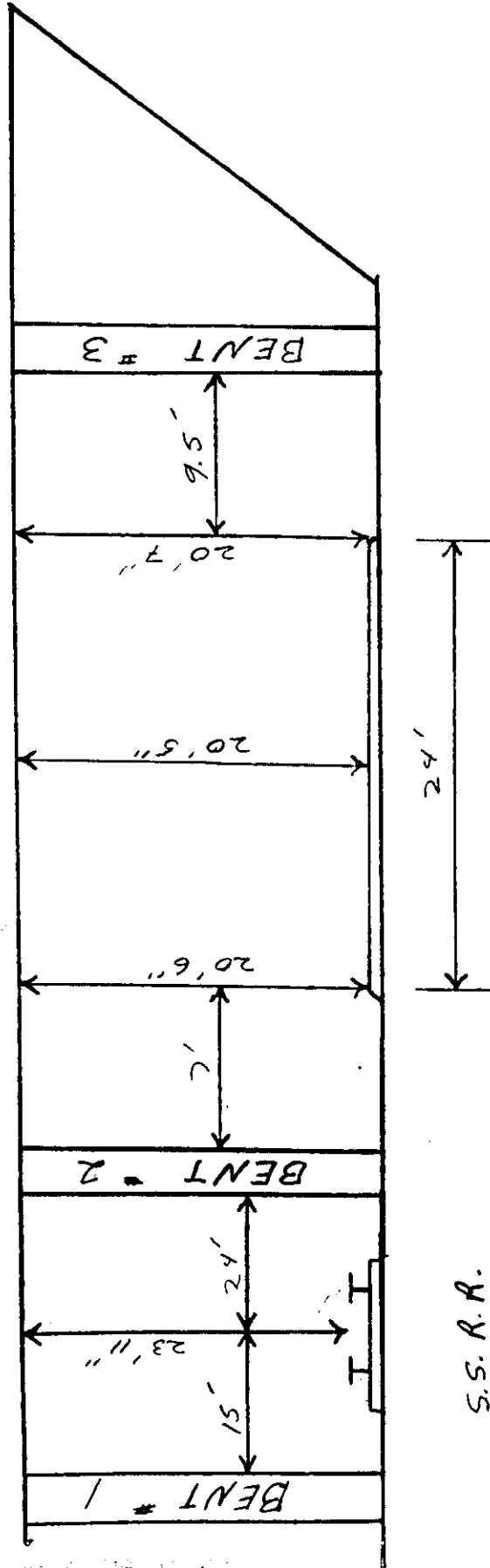
24'

S.S. R.R.

80-A252-0.27

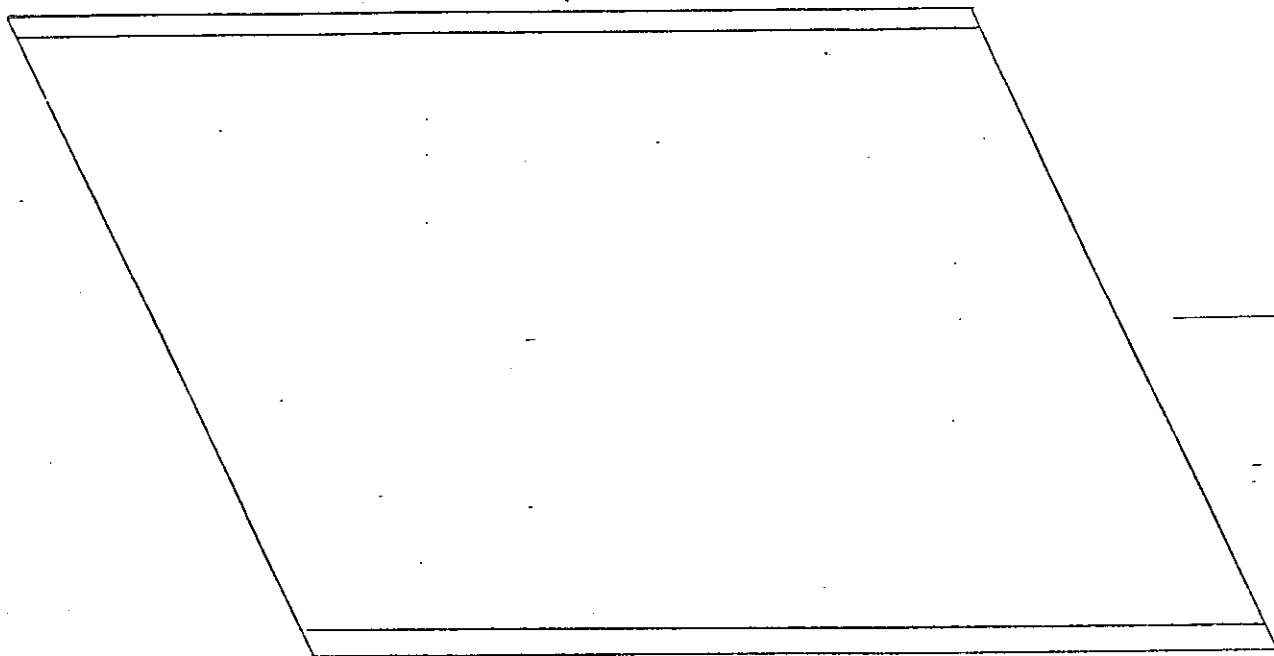
JUL 18 1986

80-I40-8.96⁴ RT.



80-A252-0.27

6-10-77
20



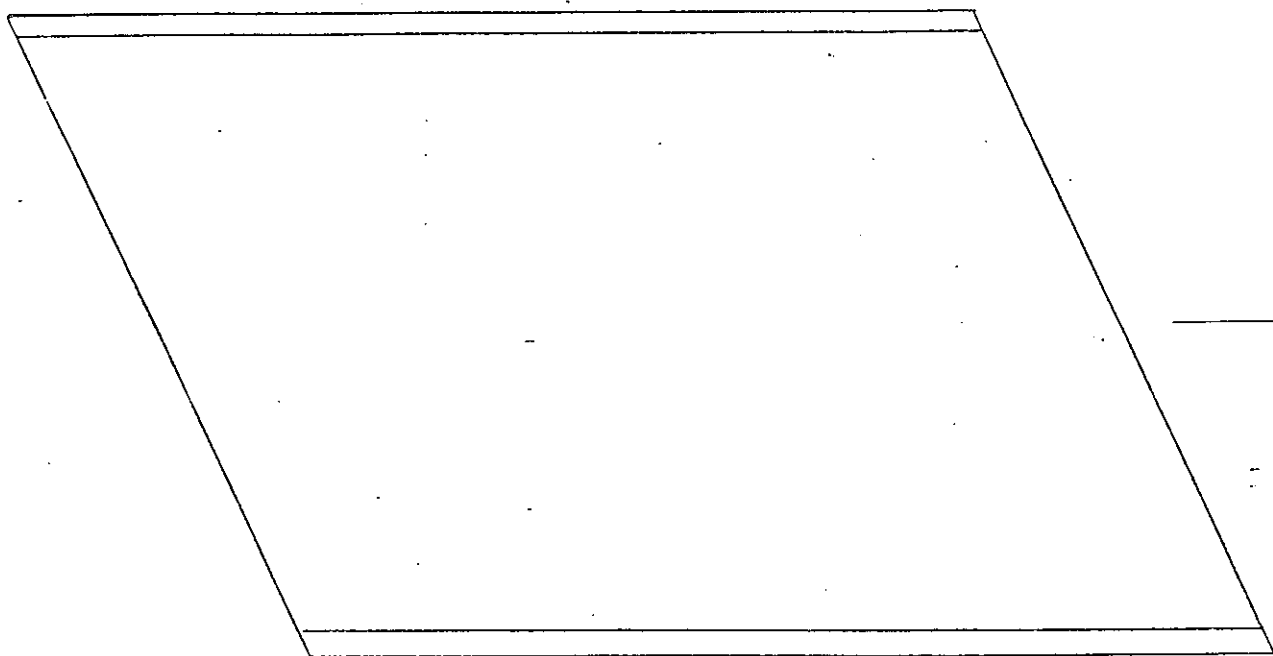
Top Slab #1

Br. ^{II} 80-I40-8.94 RT.

Deck	NA	AC DETENT
Parapet	G	
Drains	NA	
Joints	NA	SPRD CRT

Br. ^{II} 80-I40-8.94 RT.

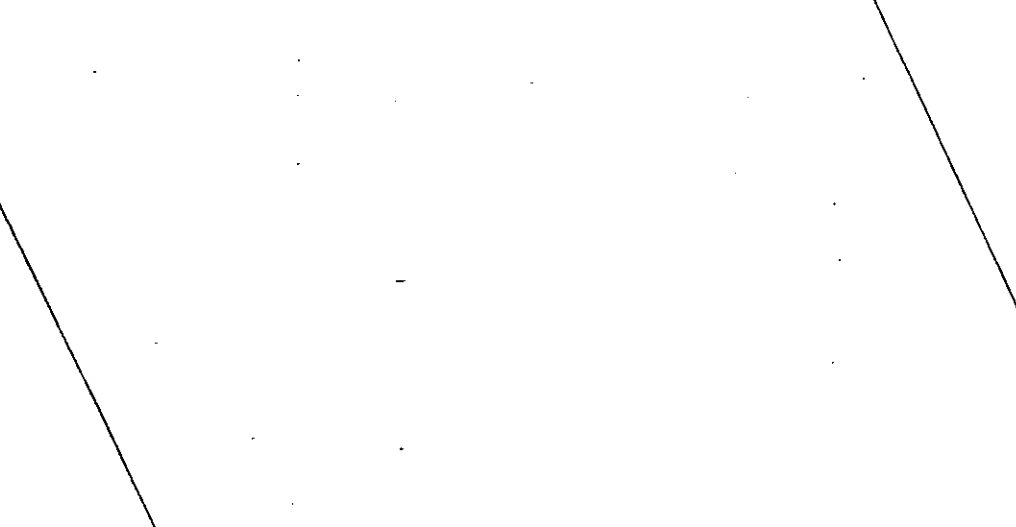
Deck	NP	NO REPAIR
Parapet	G	
Drains	NP	
Joints	NV	PAINTED OVER



Top Slab # 3

Br. ^{II} 80-I40-8.94 RT.

Deck	NV	NO OVERLAY
Parapet	G	
Drains	NP	
Joints	NV	PAVED OVER



Br. ^{II} 80-I40-8.94 27.

Deck	NV	NO CRACKS
Parapet	G	
Drains	NP	
Joints	NV	PAVED OVER

A diagram of a parallelogram divided into 10 horizontal strips by 9 horizontal lines. The left side is labeled with B, C, and D from top to bottom, indicating the heights of the first three strips.

Br. 80-140-8.94 R+

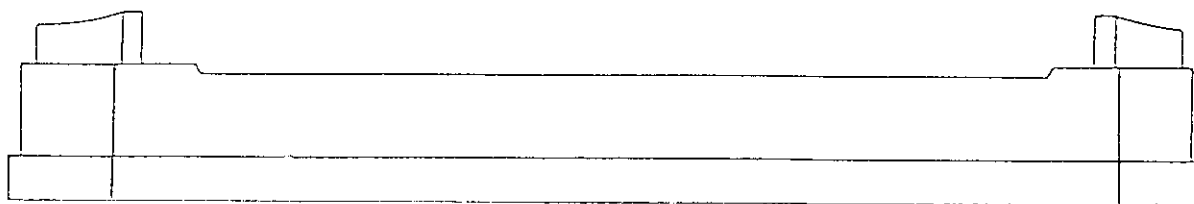
[illegible]

D

Br. 80-I40-8.94 Rt.

[illegible]

6-10-79



ABUT = 1

$$Br = 80 - 140 - 8.94 Rf$$

BACK

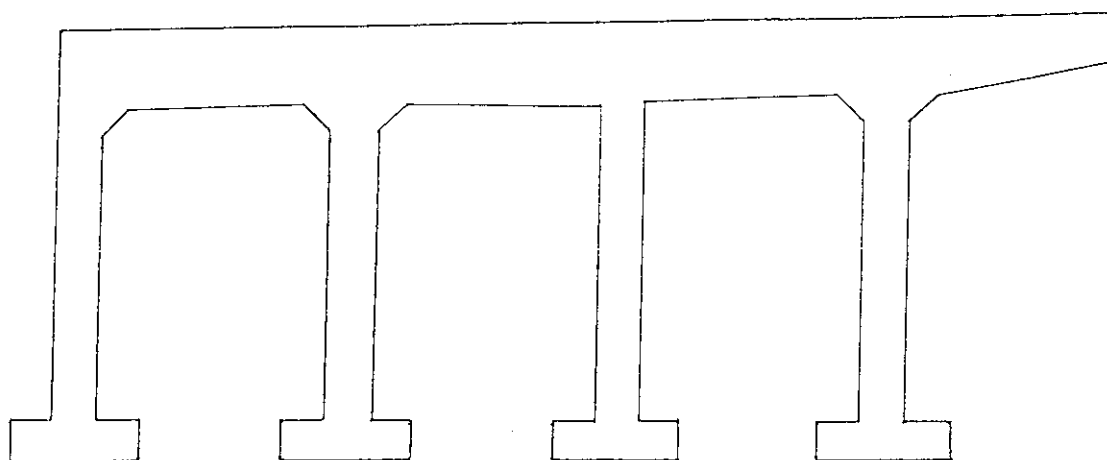
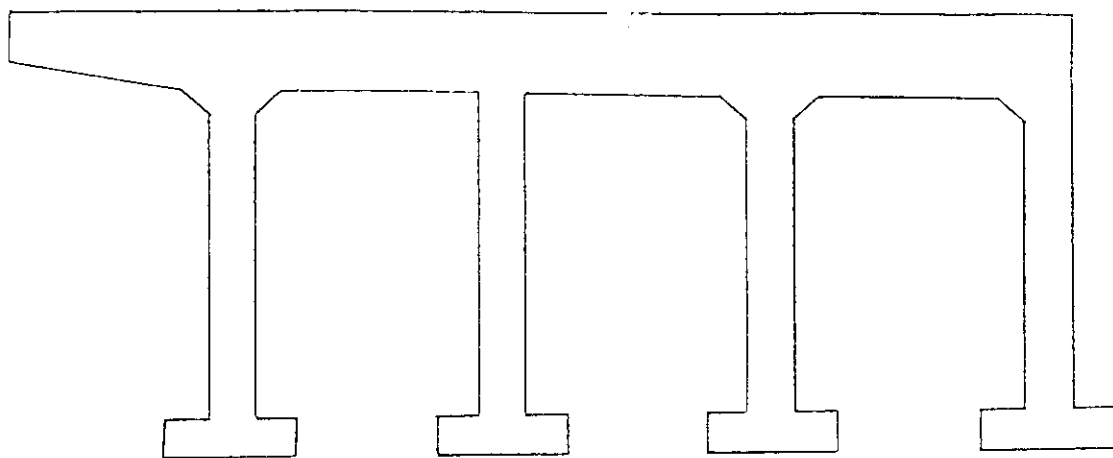
wait	NV
------	----

CAP | G

wings	G
-------	---

Bearings	G
----------	---

6-10-77AD

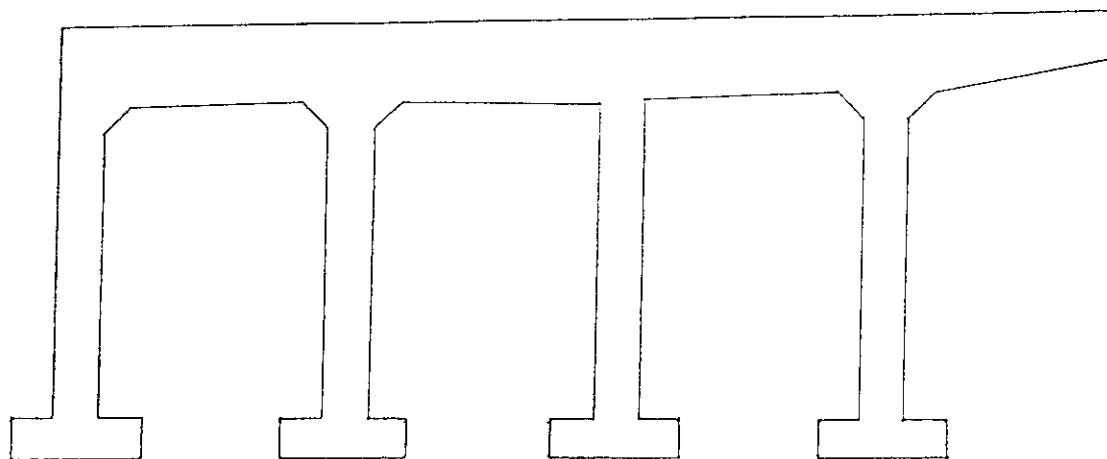
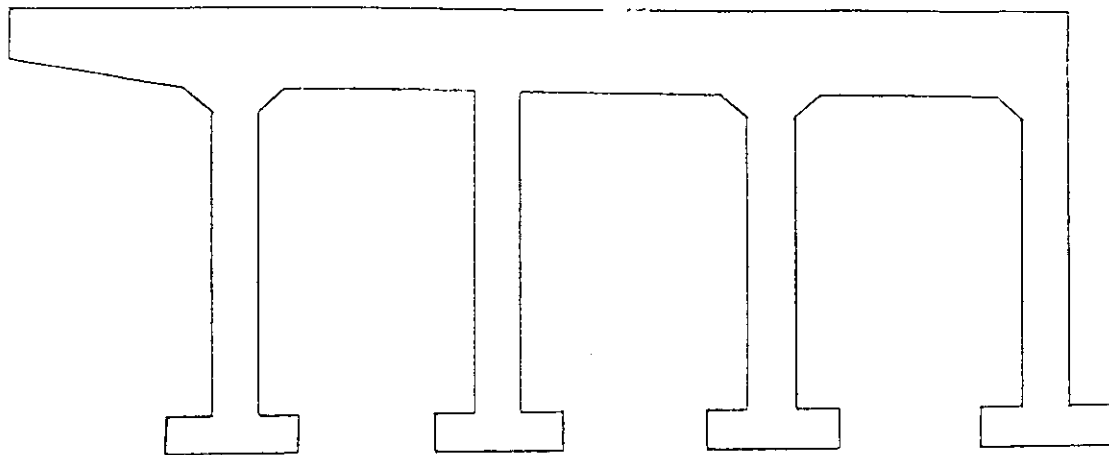


BENT ²⁴

BR^D 80-140-6.94 Rt

[illegible]

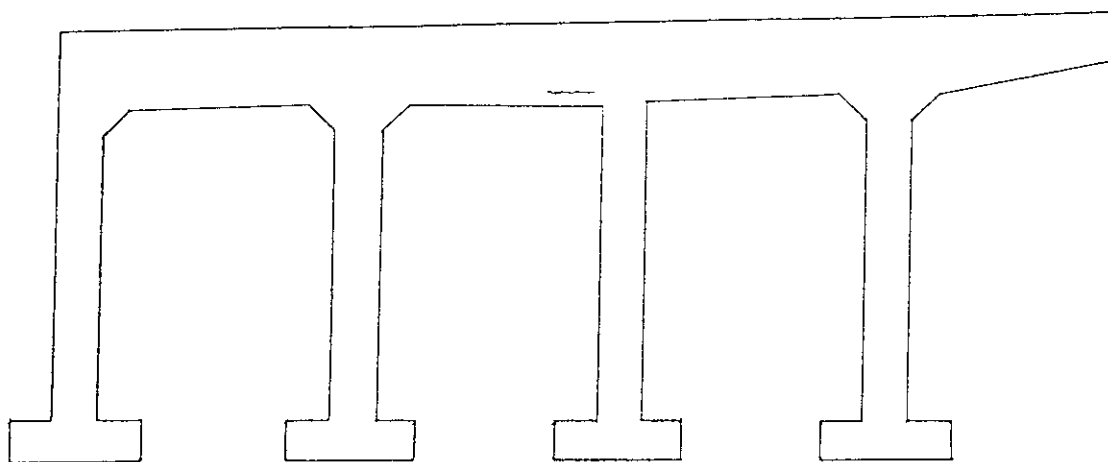
6-10-1944



BENT #2

BR. # 80-I40-6.74 Rt

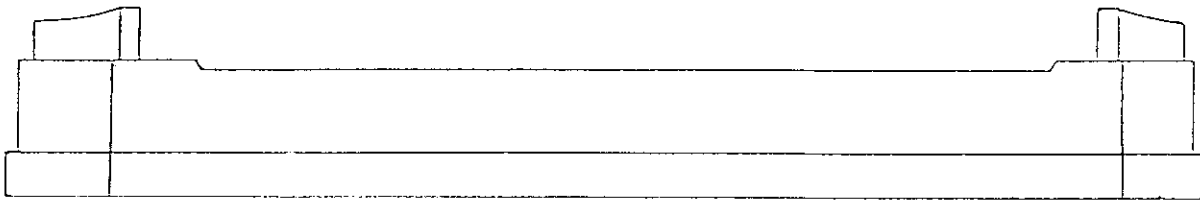
Cap	G	
Bearings	G	
Footing	N/V	
Cols.	G	



BR-^{II} 80-140-8.94 R+

Cap	Good	(1) spall 1' x 8" x 1" dp / Rebar 1/8" dia cracks
Bearings	G	
Footing	N/V	
Cols.	G	

6-10-99M)



ABUT = 2

Br. = 80 - 140 - 8.94 Rt

BACK

Wall NV

CAP G

WINGS G

Bearings G

TENNESSEE DOT, DIVISION OF STRUCTURES

1100 J. K. POLK BLDG., NASHVILLE, TN 37219 (615)741-3351

COUNTY,

PROJECT,

STRUCTURE,

SHEET NO.

OF

DESIGNED BY,

DATE

CHECKED BY,

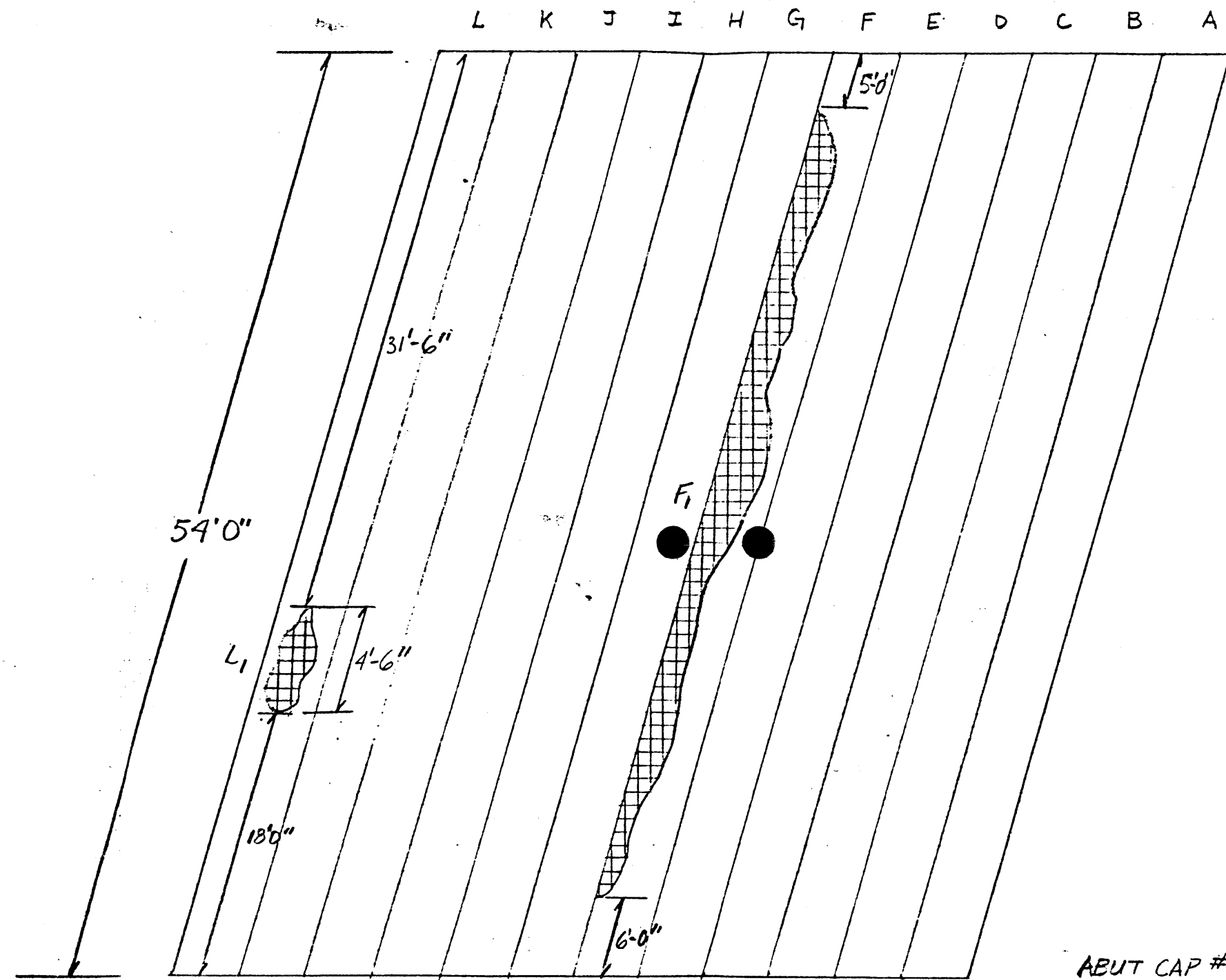
DATE

SUBJECT

FOR PLANS
SEE PARRALLEL
BRIDGE

MAY 23 1983

SPAN #4



BENT #3

F₁: 43' X 1' area of spalling
 & exposed cables
 9 cables exposed
 2 cables broken
 & dangling

L₁: 4.6' X 9" area of spalling
 & exposed cables

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF STRUCTURES
 8.96

80-I40-~~901~~ Rt. Lane
 SPAN #4 Bent #3 to Abut #2

BRIDGE NO.
 CROSSING:

COUNTY: SMITH COUNTY

DRAWN: VCT
 DATE: 10-11-80

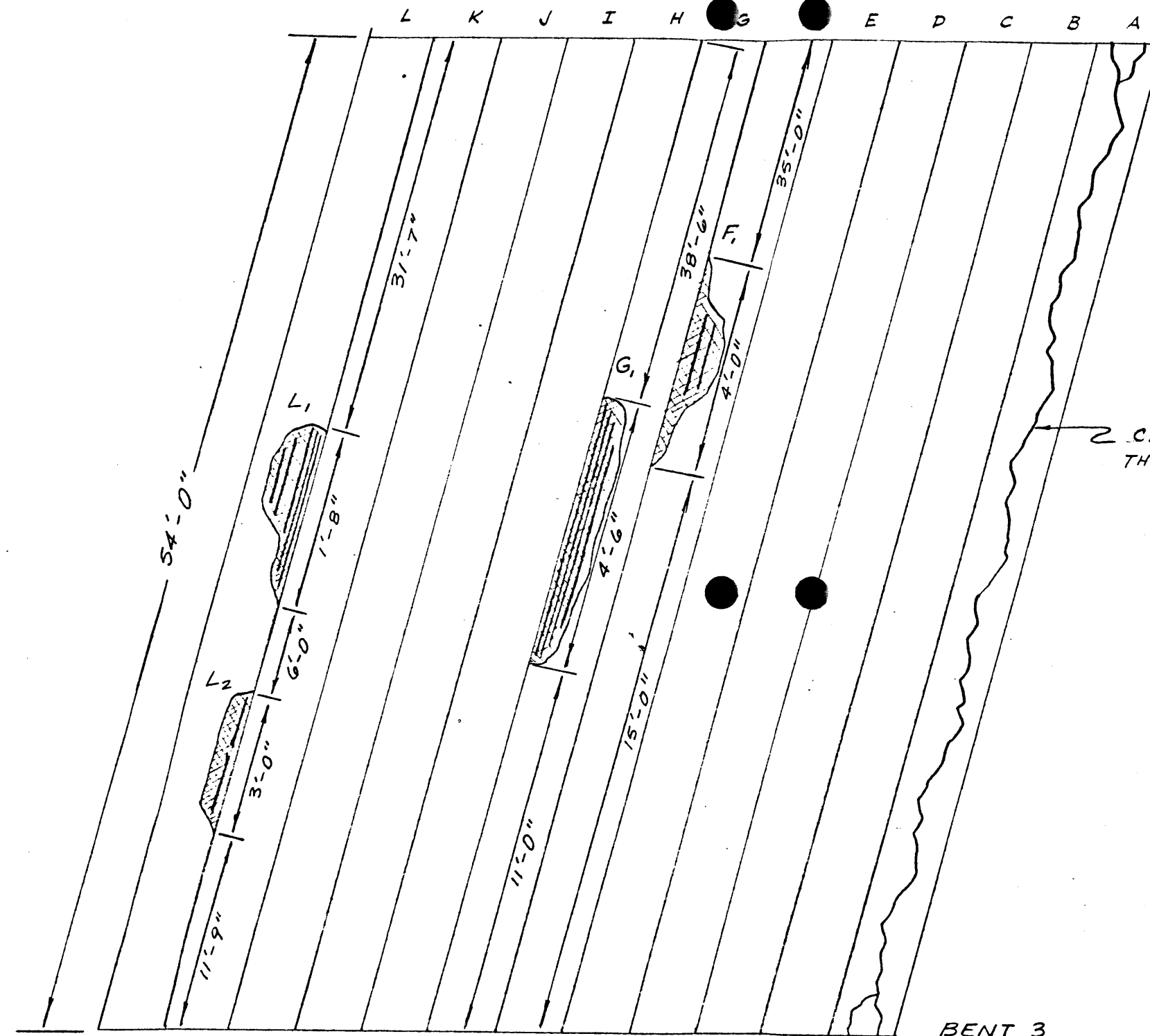
REVISION
 DATE:

SPAN III

PAGE NO. _____

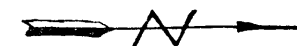
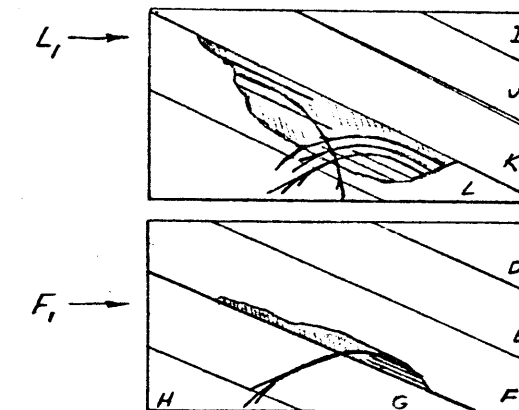
SHEET _____ OF _____

MAY 23 1983



- L₁: SPALLING AREA ≈ 1'-8" LONG BY 1'-0" WIDE. 5 CABLES ARE PARTIALLY EXPOSED. 4 OF 5 ARE BROKEN
- L₂: SPALLING AREA ≈ 3'-0" LONG BY 6" WIDE WITH ONE BROKEN CABLE
- G₁: SPALLING AREA ≈ 4'-6" LONG BY 5" WIDE WITH 4 EXPOSED CABLES
- F₁: SPALLING AREA ≈ 4'-0" LONG BY 4" WIDE WITH 3 EXPOSED CABLES 1 OF 3 CABLES IS BROKEN AND DANGLING FREE

CRACKING EXTENDS THE FULL LENGTH OF BEAM "A"; THE CRACK IS APPROX. 1/4" WIDE.



ROUTE
DIRECTION

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
DIVISION OF STRUCTURES
896

80-140-901-RT. LANE -
SPAN III - BENT 2 TO 3

BRIDGE NO.
CROSSING:

COUNTY: SMITH

DRAWN LKB
DATE 12/29/82

REVISION
DATE

PAGE NO. _____

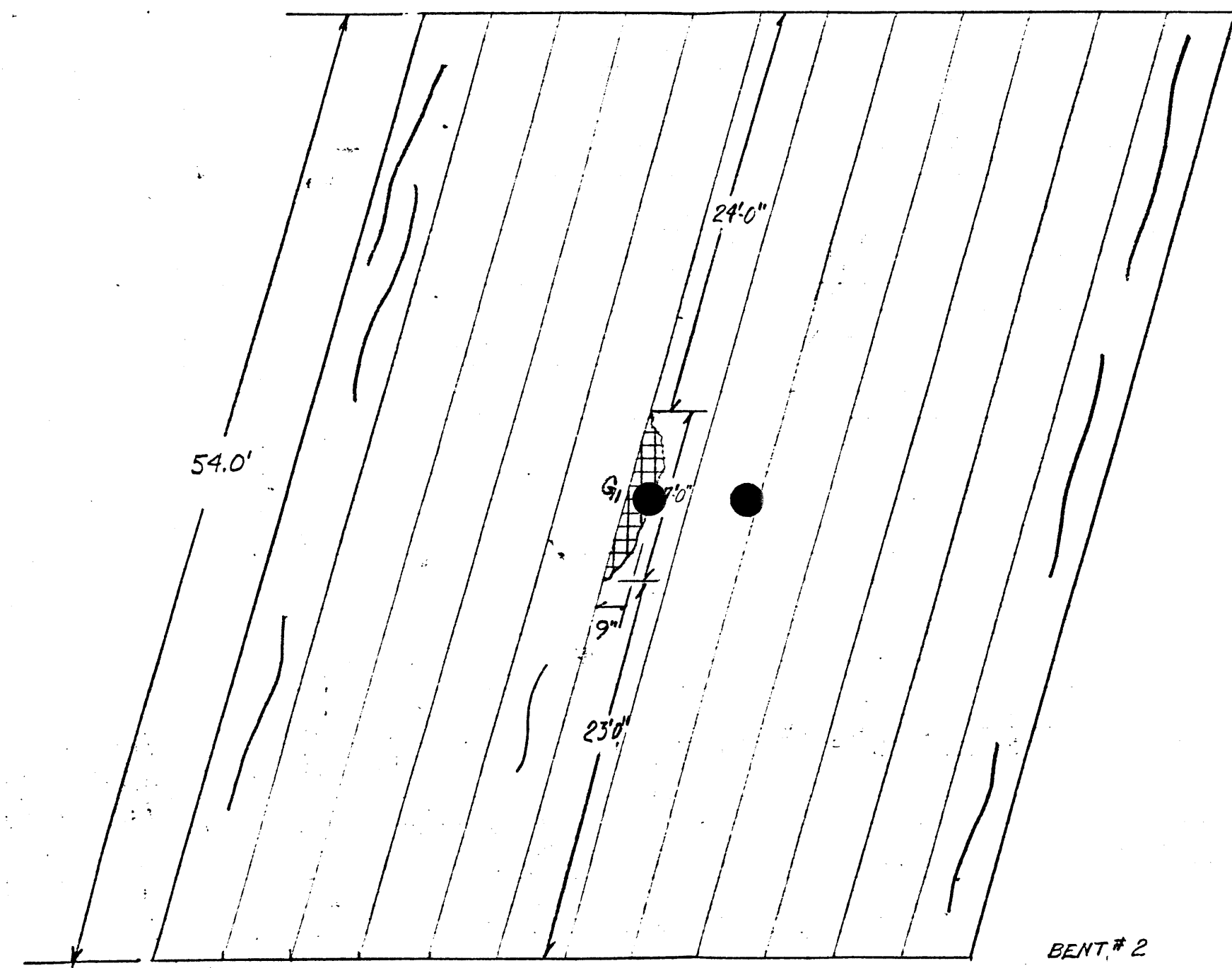
SHEET _____ OF _____

MAY 23 1983

SPAN #2

L K J I H G F E D C B A

BENT #1



G₁: 7'x9" area of spalling & exposed cables
 3 cables exposed
 1 cable broken

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF STRUCTURES
 296

80-I 40 - ~~901~~ R.L. LINE
 SPAN #2 Bent #1 to Bent #2

BRIDGE NO. _____
 CROSSING: _____

COUNTY: SMITH COUNTY

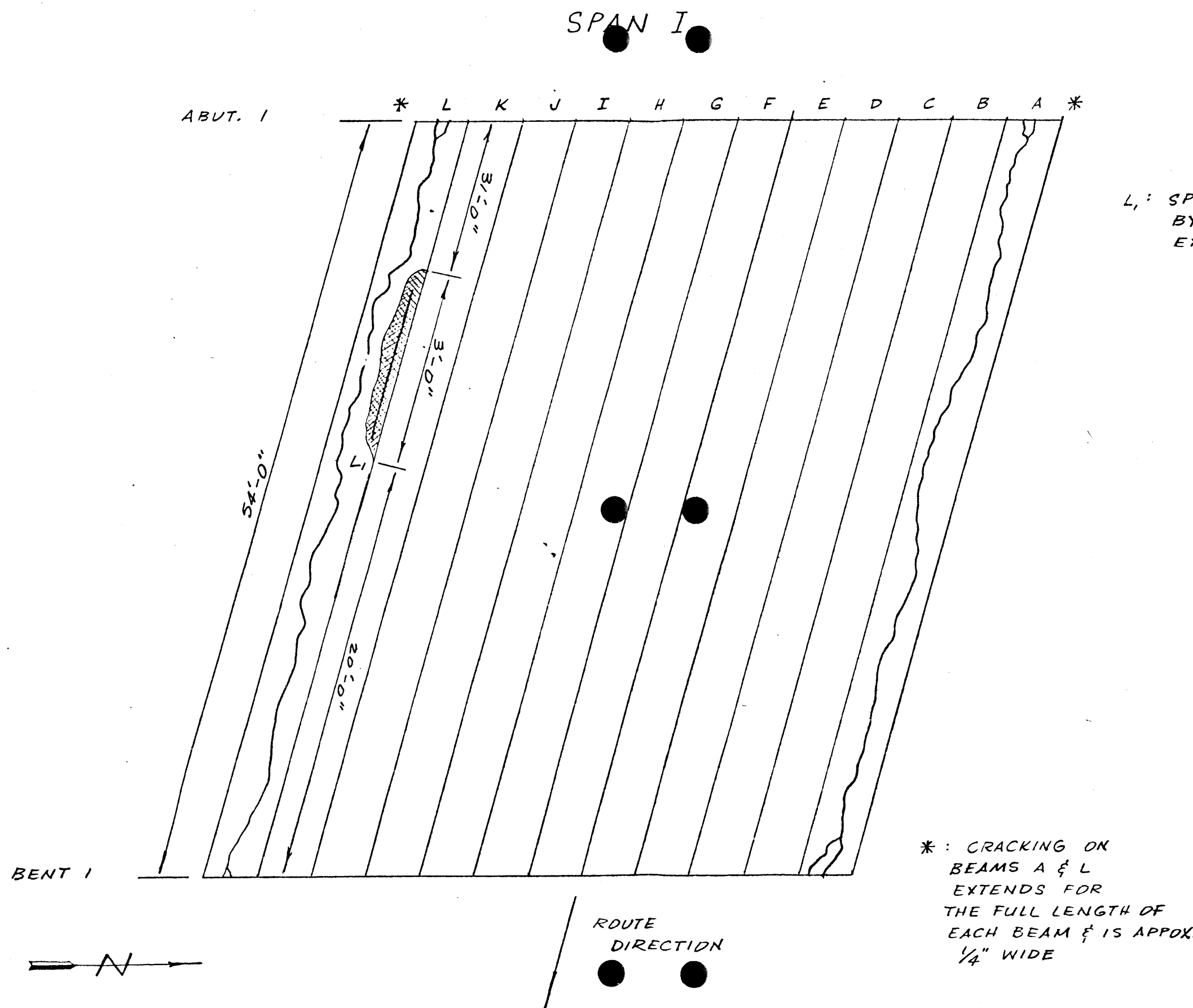
DRAWN VCT
 DATE 1-27-82

REVISION
 DATE _____

PAGE NO. _____

SHEET _____ OF _____

MAY 23 1983



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
DIVISION OF STRUCTURES
8.96

80 - I40 - ~~701~~ - RT. LANE -
SPAN I - ABUT I TO BENT I

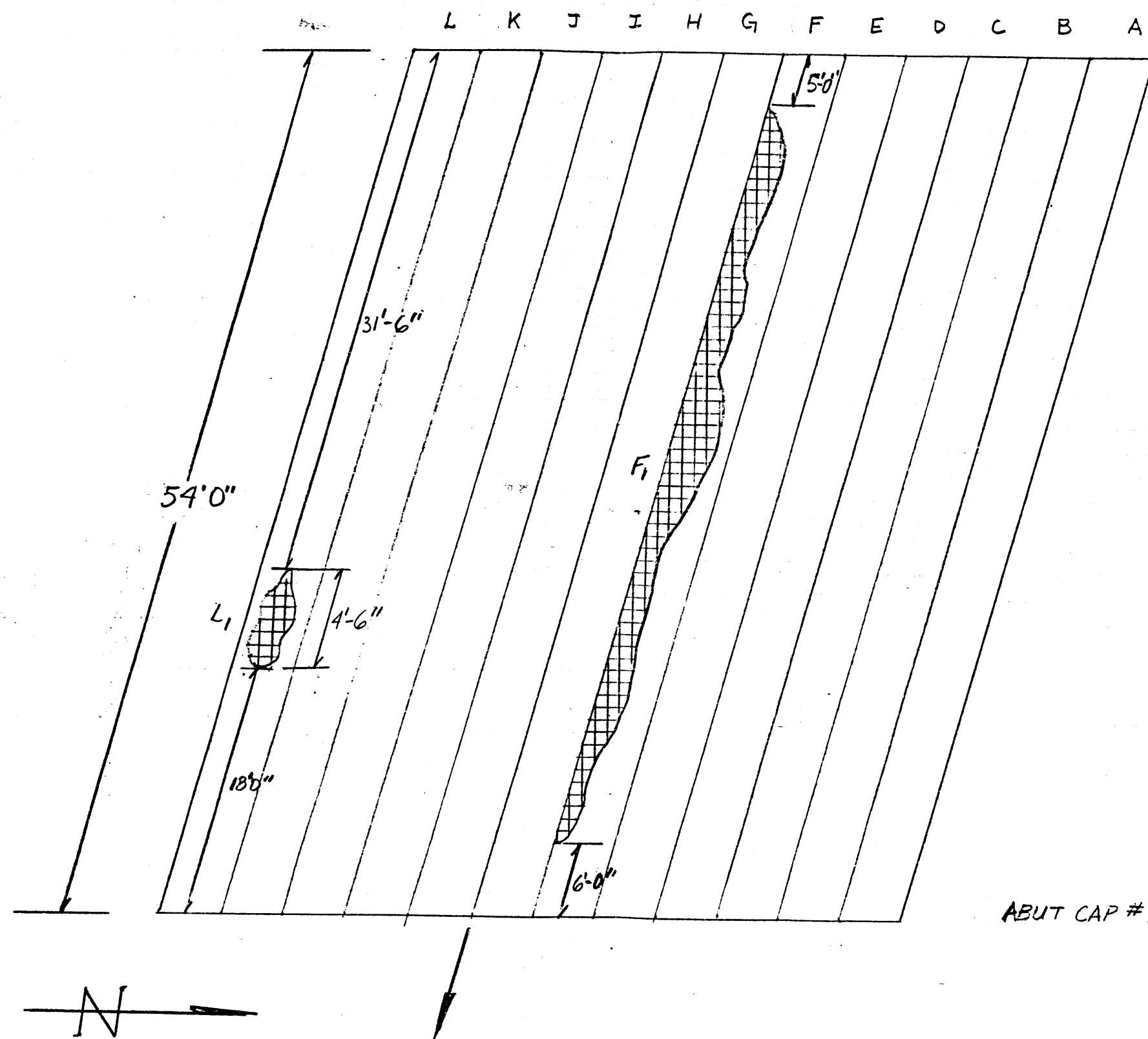
BRIDGE NO.
CROSSING: LEN R.R. Co. Rd.

COUNTY: SMITH

DRAWN LKB
DATE 12/29/82

REVISION
DATE _____

SPAN #4



BENT #3

F₁: 43' X 1' area of spalling
 & exposed cables
 9 cables exposed
 2 cables broken
 & dangling

L₁: 4.6' X 9" area of spalling
 & exposed cables

DATE RECEIVED
 12/3/23

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF STRUCTURES

80-I40-901 R/Lane
 SPAN #4 Bent #3 to Abut #2

BRIDGE NO.
 CROSSING:

COUNTY: SMITH COUNTY

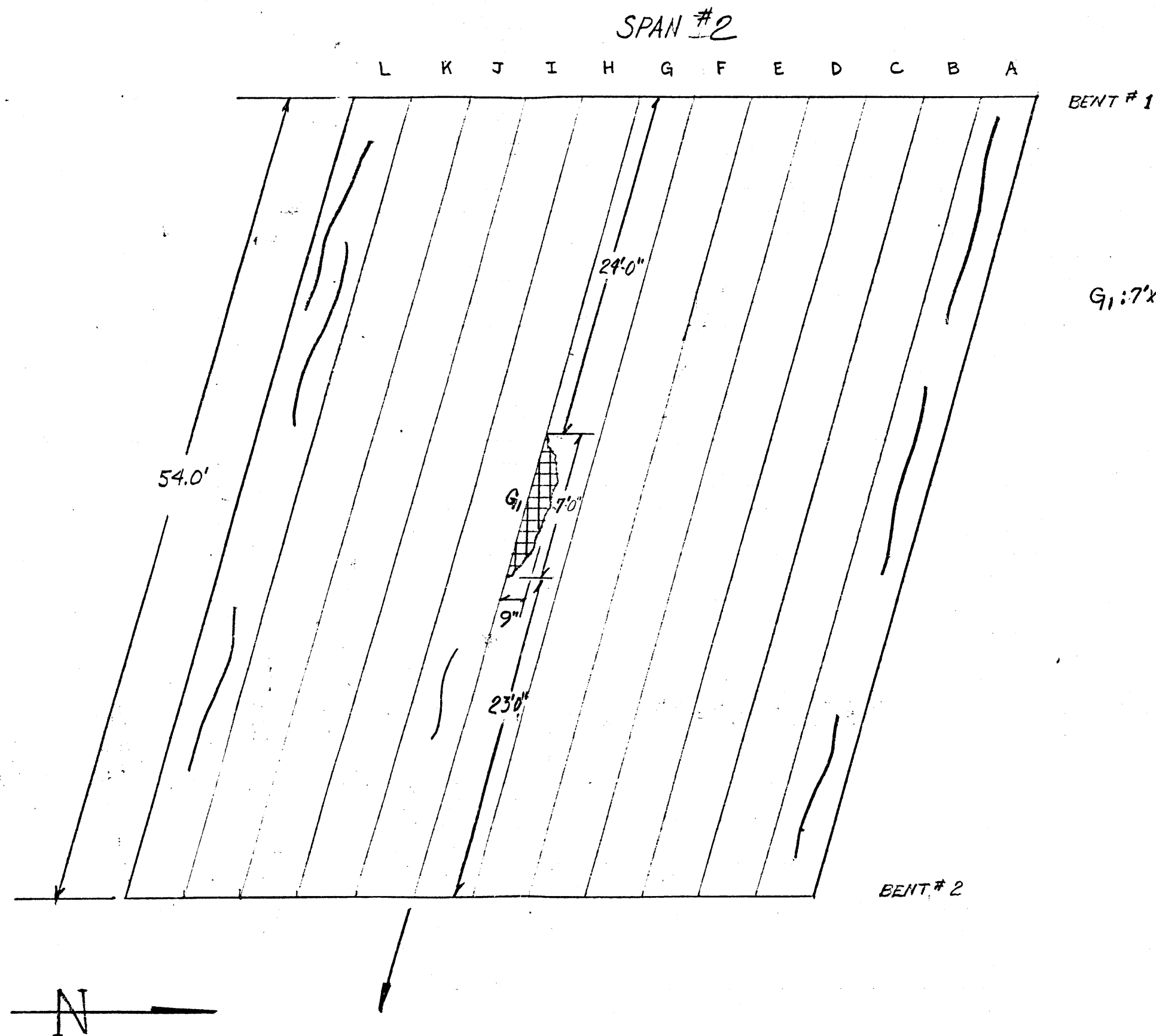
DRAWN VET
 DATE 11-17-22

REVISION
 DATE

ABUT CAP #2

PAGE NO. _____

SHEET _____ OF _____



G₁: 7'x9" area of spalling & exposed
cables
3 cables exposed
1 cable broken

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
DIVISION OF STRUCTURES

80-I 40 - 901 Rt. Lene
SPAN #2 Bent #1 to Bent #2

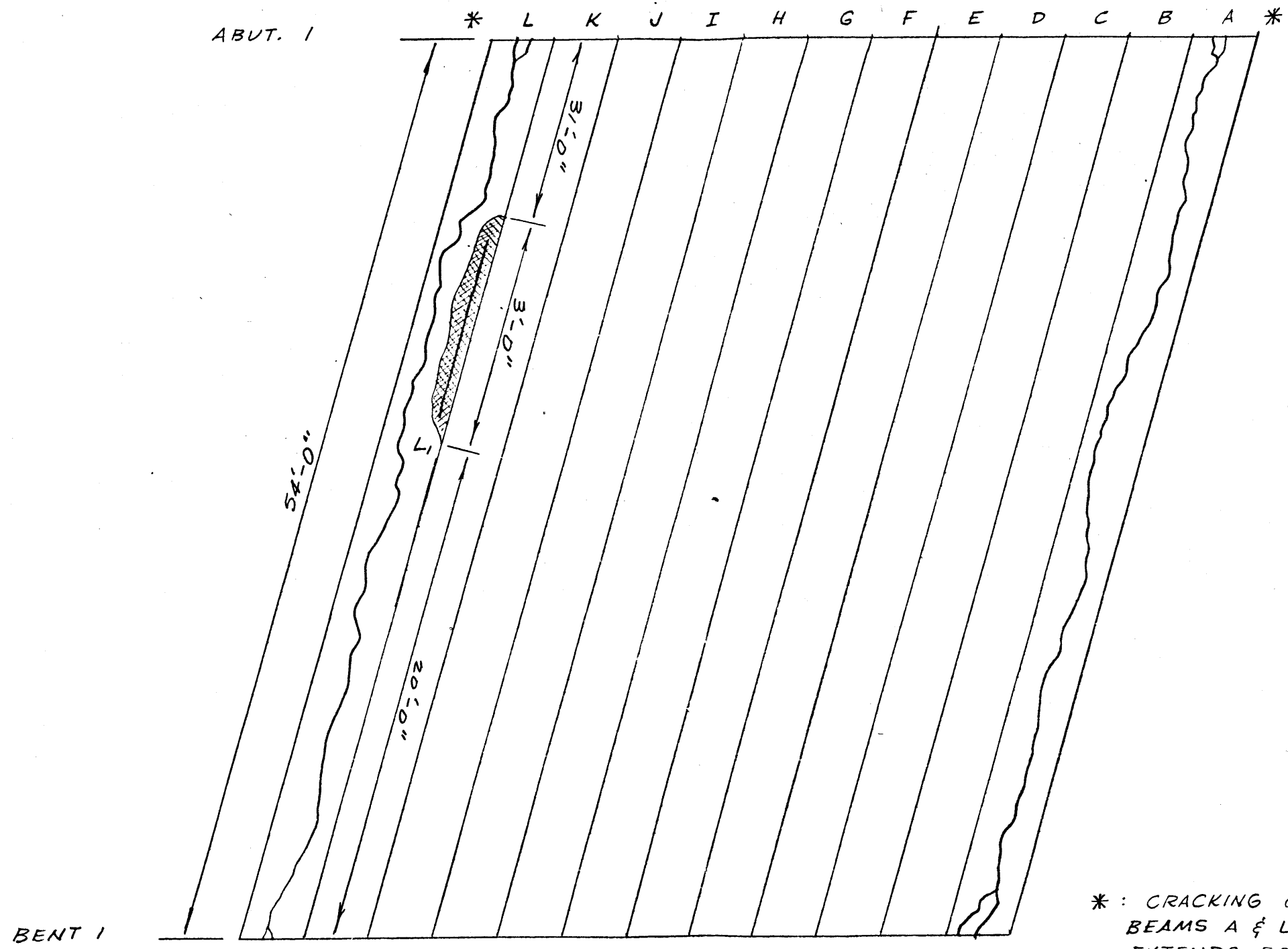
BRIDGE NO.
CROSSING:

COUNTY: SMITH COUNTY

DRAWN VOT
DATE 1-27-52

REVISION
DATE

SPAN I



L, : SPALLING AREA $\approx$ 3'-0" LONG
BY 3" WIDE WITH 1
EXPOSED CABLE

* : CRACKING ON
BEAMS A & L
EXTENDS FOR
THE FULL LENGTH OF
EACH BEAM & IS APPROX.
1/4" WIDE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
DIVISION OF STRUCTURES

80-140-9D1-RT. LANE -
SPAN I - ABUT I TO BENT I

BRIDGE NO.
CROSSING:

COUNTY: SMITH

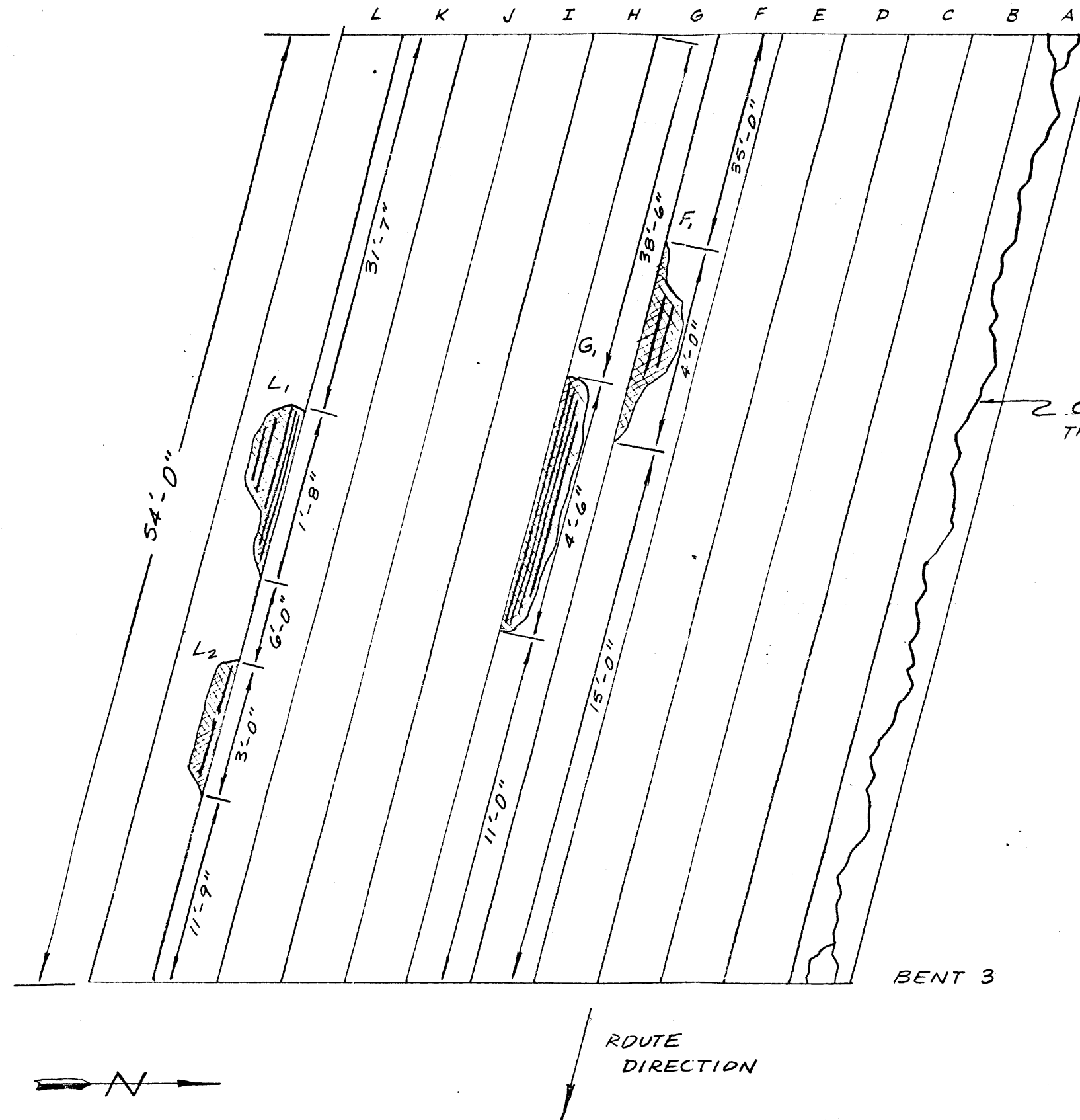
DRAWN LKB
DATE 12/29/82

REVISION
DATE

SPAN III

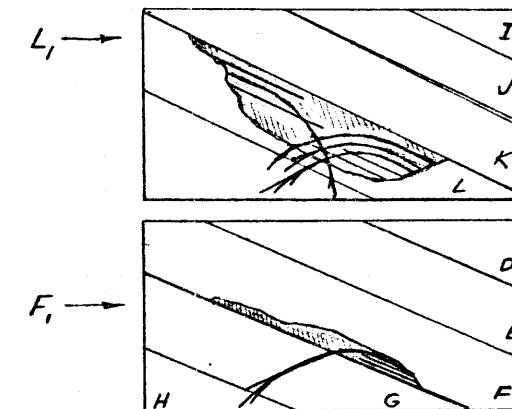
PAGE NO. _____

SHEET _____ OF _____



- L₁: SPALLING AREA ≈ 1'-8" LONG BY 1'-0" WIDE. 5 CABLES ARE PARTIALLY EXPOSED. 4 OF 5 ARE BROKEN
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2 CRACKING EXTENDS THE FULL LENGTH OF BEAM "A"; THE CRACK IS APPROX. 1/4" WIDE.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
DIVISION OF STRUCTURES

80-I40-901-RT. LANE -
SPAN III - BENT 2 TO 3

BRIDGE NO.
CROSSING:

COUNTY: SMITH

DRAWN LKB
DATE 12/29/82

REVISION
DATE