

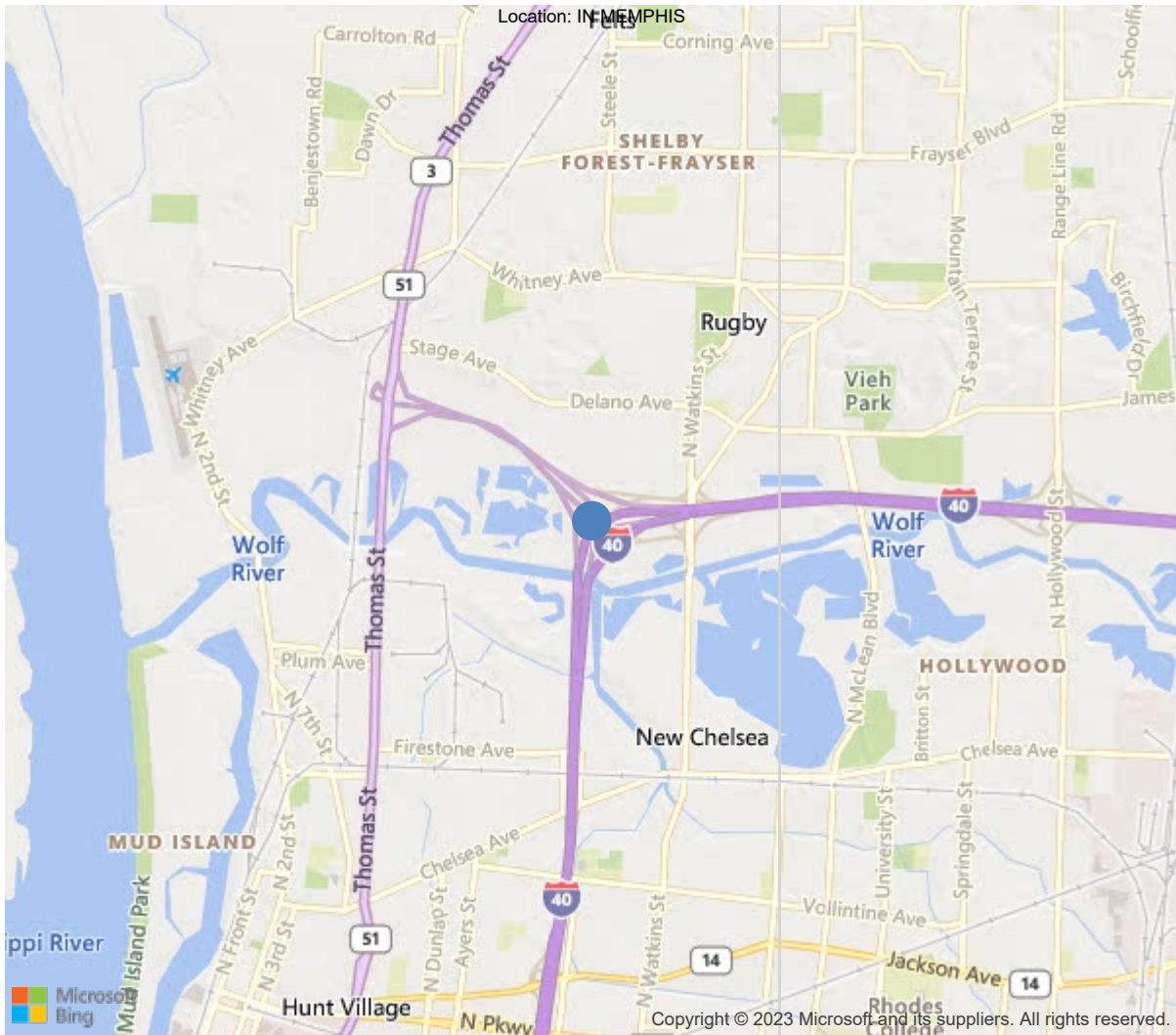


Latitude:35.19108, Longitude:-90.01649

Region 04, 79 - Shelby County

Team Leader: Jacob Kee

Inspectors: Terracyaka Spivey, Jacob Seager, Tyler Prince, Nathan Bedford, Jordan Fitts, Jennifer Blankenship



35.19108, -90.01649

90 - LAST INSPECTION DATE 03/06/2023

10 - MIN. V.C. OVER DECK 16.58 FT.
(ROADWAY + SHOULDERS)

520 - MIN. V.C. OVER DECK 16.58 FT.
(EXCLUDES SHOULDERS)

36 - TRAFFIC SAFETY FEATURES

Br. Rail	Trans.	Appr. Rail	Terminal	SPEED LIM.
1	0	1	1	55

41 - STRC OPEN/CLOSED/POSTED A

58 - DECK 7

59 - SUPERSTRUCTURE 7

60 - SUBSTRUCTURE 6

61 - CHANL/CHANL PROTECTION N

62 - CULVERT AND RETAIN WALL N

71 - WATERWAY ADEQUACY N

72 - APPROACH RDWY ALIGNMENT 8

521 - OVERALL CONDITION 2 - Fair

16 - LATITUDE 17 - LONGITUDE

35.191083

-90.016489

N NOT APPLICABLE

9 EXCELLENT CONDITION

8 VERY GOOD CONDITION - NO PROBLEMS NOTED.

7 GOOD CONDITION - SOME MINOR PROBLEMS.

6 SATISFACTORY CONDITION - MINOR DETERIORATION OF STRUCTURAL ELEMENTS.

5 FAIR CONDITION - ALL PRIMARY STRUCTURAL ELEMENTS ARE SOUND BUT MAY HAVE MINOR SECTION LOSS, CRACKING, SPALLING OR SCOUR.

4 POOR CONDITION - ADVANCED SECTION LOSS, DETERIORATION, SPALLING OR SCOUR.

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.

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 "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.

0 FAILED CONDITION - OUT OF SERVICE AND BEYOND CORREC

TEAM LEADER SIGNATURE

IDENTIFICATION	
(1) State Names	47 - Tennessee
(8) Structure Number	79I00400061
(5) Inventory Route	1
(2) Highway Agency District	Region 4
(3) County Code	79 - Shelby
(4) Place Code	48000
(6) Features Intersected	I-40 W.B.
(7) Facility Carried	FAP 300 RP TOI40EB
(9) Location	IN MEMPHIS
(11) Mile Point	1.210 mi
(12) Base Highway Network	Yes
(13) LRS Inventory Rte & Subrte	79SR300001
(16) Latitude	35.191083
(17) Longitude	-90.016489
(98) Border Bridge State Code	
(99) Border Bridge Structure No.	
STRUCTURE TYPE AND MATERIAL	
(43) Main Structure Type	26
Material	2 - Concrete continuous
Type	6 - Box Beam or girders - Single or Spread
(44) Approach Structure Type	00
Material	0 - Other / None
Type	0 - Other / None
(45) No. of Spans in Main Unit	3
(46) No. of Approach Spans	0
(107) Deck Structure Type	1 - Concrete Cast-in-Place
(108) Wearing Surface/Protective System	
Type of Wearing Surface	3 - Latex Concrete or similar additive
Type of Membrane	0 - None
Type of Deck Protection	0 - None
AGE AND SERVICE	
(27) Year Built	1977
(106) Year Reconstructed	0
(42) Type of Service	11
On	1 - Highway
Under	1 - Highway, with or without pedestrian
(28) Lane	
On	3
Under	4
(29) Average Daily Traffic	24567
(30) Year of ADT	2021
(109) Truck ADT	8 %
(19) Bypass, Detour Length	5 mi
GEOMETRIC DATA	
(48) Length of Maximum Span	134.5 ft
(49) Structure Length	348.5 ft
(50) Curb or Sidewalk Width	
Left	0.0 ft
Right	0.0 ft
(51) Bridge Roadway Width Curb to Curb	49.0 ft
(52) Deck Width Out to Out	50.4 ft
(32) Approach Roadway Width (W/Shoulders)	49.0 ft
(33) Bridge Median	0 - No median
(34) Skew	60 Deg
(35) Structure Flared	1 - Yes, flared
(10) Inventory Route Min Vert Clear	16.58 ft
(47) Inventory Route Total Horiz Clear	50.9 ft
(53) Min Vert Clear Over Bridge Rdwy	16.58 ft
(54) Min Vert Underclear	16.42 ft
Ref:	
(55) Min Lat Underclear RT	32.0 ft
Ref:	
(56) Min Lat Underclear LT	30.5 ft
NAVIGATION DATA	
(38) Navigation Control	N - Not applicable, no waterwa
(111) Pier Protection	
(39) Navigation Vertical Clearance	0.0 ft
(116) Vert-Lift Bridge Nav Min Vert Clear	ft
(40) Navigation Horizontal Clearance	0.0 ft

CLASSIFICATION	
(112) NBIS Bridge Length	Y
(104) Highway System	1
(26) Functional Class	12 - Urban Principal Arterial
(100) Defense Highway	0 - The inventory route is not
(101) Parallel Structure	N - No parallel structure exists
(102) Direction of Traffic	1 - way traffic
(103) Temporary Structure	
(105) Federal Lands Highways	0 - N/A
(110) Designated National Network	1 - The inventory route is par
(20) Toll	3 - On free road. The structu
(21) Maintain	1 - State Highway Agency
(22) Owner	1 - State Highway Agency
(37) Historical Significance	4 - Historical significance is
CONDITION	
(58) Deck	7
(59) Superstructure	7
(60) Substructure	6
(61) Channel & Channel Protection	N
(62) Culverts	N
LOAD RATING AND POSTING	
(31) Design Load	6 - MS 18+Mod / HS 20+Mod
(63) Operating Rating Method	8
(64) Operating Rating	
Type	8 - Load and Resistance Factor Rating (LRF
Rating	59.29
(65) Inventory Rating Method	8 - Load and Resistance Factor
(66) Inventory Rating	
Type	
Rating	45.68
(70) Bridge Posting	5 - Equal to or above legal loads
(41) Structure Open/Posted/Closed	A - Open, no restriction
APPRAISAL	
(67) Structural Evaluation	6
(68) Deck Geometry	5
(69) Clearances, Vertical/Horizontal	9
(71) Waterway Adequacy	N
(72) Approach Roadway Alignment	8
(36A) Bridge Railings	1 - Inspected feature meets current
(36B) Transitions	0 - Inspected feature does not meet
(36C) Approach Guardrail	1 - Inspected feature meets current
(36D) Approach Guardrail Ends	1 - Inspected feature meets current
(113) Scour Critical Bridges	N - Bridge not over waterway.
PROPOSED IMPROVEMENTS	
(75) Type of Work	
(76) Length of Structure Improvement	ft
(94) Bridge Improvement Cost	\$
(95) Roadway Improvement Cost	\$
(96) Total Project Cost	\$
(97) Year of Improvement Cost Estimate	
(114) Future ADT	37712
(115) Year of Future ADT	2041

INSPECTIONS *			
(90) Inspection Date	03/06/2023		
(91) Frequency	24		
(92) Critical Feature Inspection	Done	Freq. (Mon)	Date
A: Fracture Critical Detail	No		
B: Underwater Inspection	No		
C: Other Special Inspection			
<p>* The inspection date and frequency information in this box contains the current NBI date and frequency information. Please refer to the report header for the date this inspection was conducted.</p>			

PERFORMANCE EVALUATION

Time of Day Inspected 10:30 AM

Weather Conditions Partly cloudy 73° F

Vehicles Observed All types

LIVE LOAD BEHAVIOR

Sub Horiz./ Vert. Defl (No)

Sub Vibration (No)

Super Horiz./ Vert. Defl (No)

Super Vibration (No)

APPROACH

Alignment (Good)

Joints (Poor)

Spalling, filled with asphalt and debris

Pavement (Poor)

Asphalt patches on concrete

Embankment (Good)

TRAFFIC SAFETY FEATURES

Bridge Railing Rating (Fair)

Transitions Rating (Good)

Guardrail Rating (Good)

Guardrail Terminal Rating (Good)

Bridge Railing:

Transitions:

Guardrail:

Guardrail Terminal:

SIGNS POSTED ON ROUTE

Paddleboards No

Vertical Clearance (<14'-6") No

Posted Height

Narrow Bridge Signs No

One Lane Bridge Signs No

Other Signs or Plaques

Weight Limit Posted Not Needed

Gross Tons

Single-unit Vehicle Tons

Multi-unit Vehicle Tons

564 Assigned Bridge Name

ATTACHED SIGNS

Sign No	Location	Text on Sign	Noted Defects
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DECK

Wearing Surface Type	Asphalt	Wearing Surface Depth	3
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Wearing Surface	(Poor)	Cracks up to 1/4", span #2 spalling
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Parapet	(Fair)	Cracks up to 1/16"
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SUPERSTRUCTURE

Beams	(Fair)	Hairline cracks
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Alignment of Members	(Good)	
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TEXTURE COAT

ABUTMENTS

Abutment Caps	(Good)	Hairline crack with efflorescence
Abutment Wings	(Good)	Texture coat peeling
Abutment Backwall	(Fair)	Hairline cracks with efflorescence
Abutment Plumb	(Good)	
Abutment Piles	(NA)	
Abutment Embankment	(Good)	
Abutment Bearing Surface	(Good)	
Abutment Slope Paving	(Good)	

PIERS

BENTS

Bent Columns	(Fair)	Scuffing and hairline cracking.
Bent Plumb	(Good)	

Inspection Team's Summary

This is a 3 span CBB bridge with metal approach rails and concrete parapets. The concrete approaches have cracks up to 1/8" and asphalt patches. Both approach joints are filled with asphalt and debris. The asphalt wearing surface has cracks up to 1/4" and Span #2 has heavy spalling. The bottom decks have hairline cracks with efflorescence in the overhang. The CBB has hairline cracks and spall to steel on span 2. The substructure has hairline cracks with efflorescence and damage. The minimum vertical under clearance is 16' 5". The minimum vertical over clearance is 16' 7".

General Inspection Comment

ELEMENTS	DESCRIPTION	UNITS	TOTAL	CS1	CS2	CS3	CS4
12	Re Concrete Deck	SF	17564	17439	125	0	0
1120	Efflorescence/Rust Staining	SF	100	0	100	0	0
1130	Cracking (RC and Other)	SF	25	0	25	0	0
510	Wearing Surfaces	SF	17564	11519	6045	0	0
3210	Delamination/Spall/Patched Area/Pothole (Wearing Surfaces)	SF	55	10	45	0	0
3220	Crack (Wearing Surface)	SF	6000	0	6000	0	0
(12) Element record added 2015-01-20.							
(1120-12) Element record added 11/19/2020							
(510-12) Element record added 2015-01-20.							
109	Pre Opn Conc Girder/Beam	LF	348	339	9	0	0
9999	Unknown	LF	9	0	9	0	0
(109) Element record added 2015-01-20.							
205	Re Conc Column	EA	6	2	4	0	0
1130	Cracking (RC and Other)	EA	4	0	4	0	0
(205) Element record added 2015-01-20.							
215	Re Conc Abutment	LF	116	113	3	0	0
1120	Efflorescence/Rust Staining	LF	1	0	1	0	0
1130	Cracking (RC and Other)	LF	2	0	2	0	0
(215) Element record added 2015-01-20.							
(1130-215) Element record added 11/19/2020							
331	Re Conc Bridge Railing	LF	697	639	58	0	0
1080	Delamination/Spall/Patched Area	LF	2	0	2	0	0
1130	Cracking (RC and Other)	LF	56	0	56	0	0
(331) Element record added 2015-01-20.							
(1080-331) Element record added 11/19/2020							

Equipment List

General Inspection

☐ Pocket knife

☐ Sounding/chipping hammer

☐ Chain drag

☐ Range pole

☒ 25' rod - depth and clearance

Visual Aid

☐ Binoculars

☐ Flashlight

☐ Magnifying glass

☐ Hand mirror

Cleaning

☐ Wisk broom

☐ Wire brush

☐ Flat bladed screwdriver

☐ Hand shovel

☐ Penetrating oil (WD-40, etc.)

Tools For Access

☐ Ladders

☐ Rope

☐ Waders

☐ Machete or bush axe

Comment

Tools For Measuring

☒ Masonry/Wood Ruler

☐ 6' Pocket Tape

☐ 25' and 100' Tape

☐ Calipers

☒ Thermometer

☐ Carpenter's Level

☐ String and Weighted line (plumb bob)

Special Purpose Equipment

☐ Reach All

☐ Bucket Truck

☒ Traffic control

☐ Boat

☐ Sonar depth finder

☐ Increment borer

☐ Survey equipment

☐ Safety Harness

☐ Climbing equipment

☐ Dye penetrant

☐ Drone

Special Purpose Equipment



Overall abutment 2



Overall bent 2



Tree growth between slope paving



Abutment 1 looking back



Bent 1 front



Approach #1



Approach #2



Top deck looking forward



Approach #1 joint



Approach #2 joint



Direction of route



Looking right



Looking left



Opposite direction of route



Top deck span #2 spalling



Column B scuffing



Left elevation



Right elevation



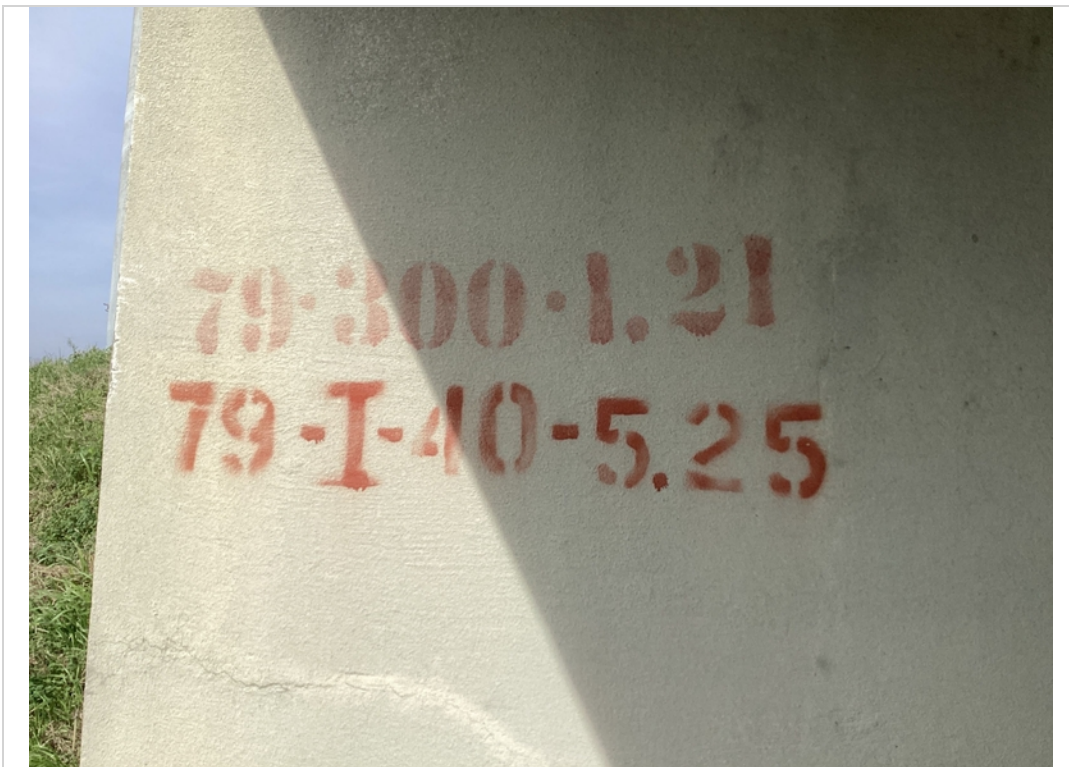
Span 3 bottom deck



Span 1 bottom deck



Span 2 bottom deck



Bridge number

Maintenance Recommendations

Date Added	Recommendation	Priority
03/06/2023	CLEAN AND SEAL ROADWAY EXPANSION JOINTS.	
03/06/2023	Repair potholes in span #2 top deck	

SHELBY COUNTY

BOTTOM BRIDGE

79-SR300-0121

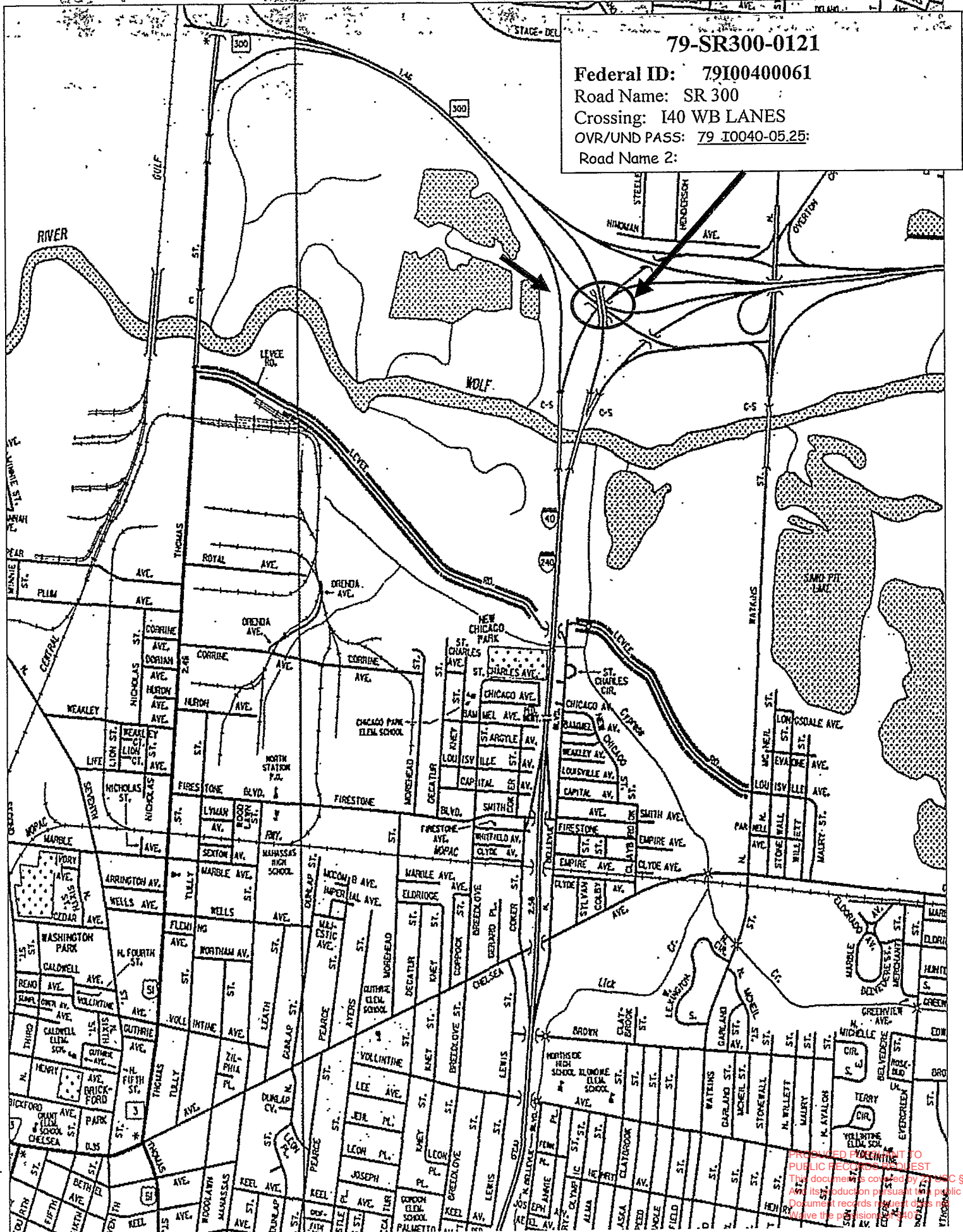
Federal ID: 79I00400061

Road Name: SR 300

Crossing: I40 WB LANES

OVR/UND PASS: 79 I0040-05.25:

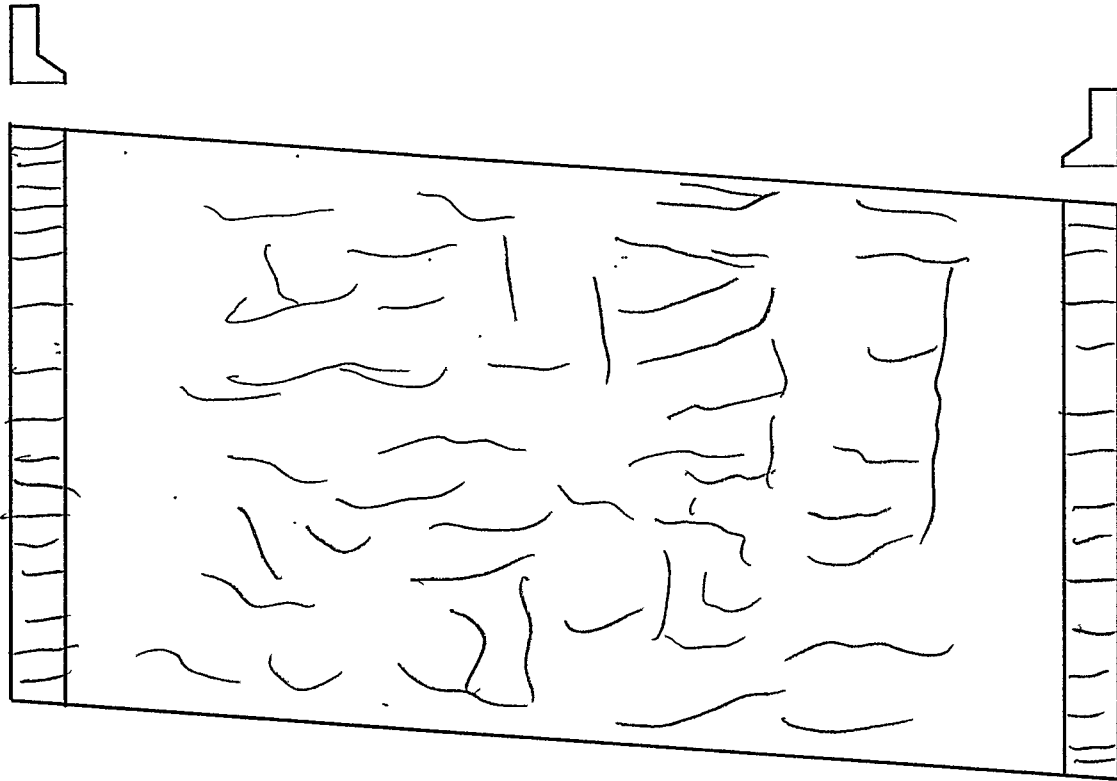
Road Name 2:



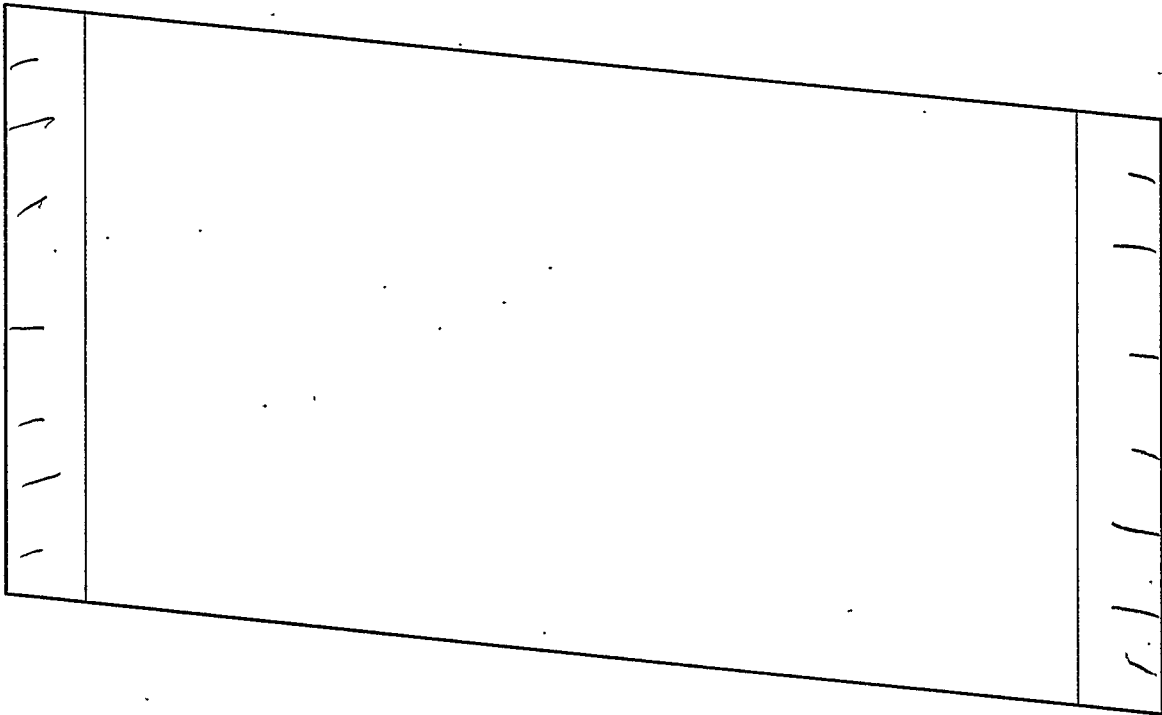
Bridge No. 79 -- SR300 -- 1.21

R/L Skew

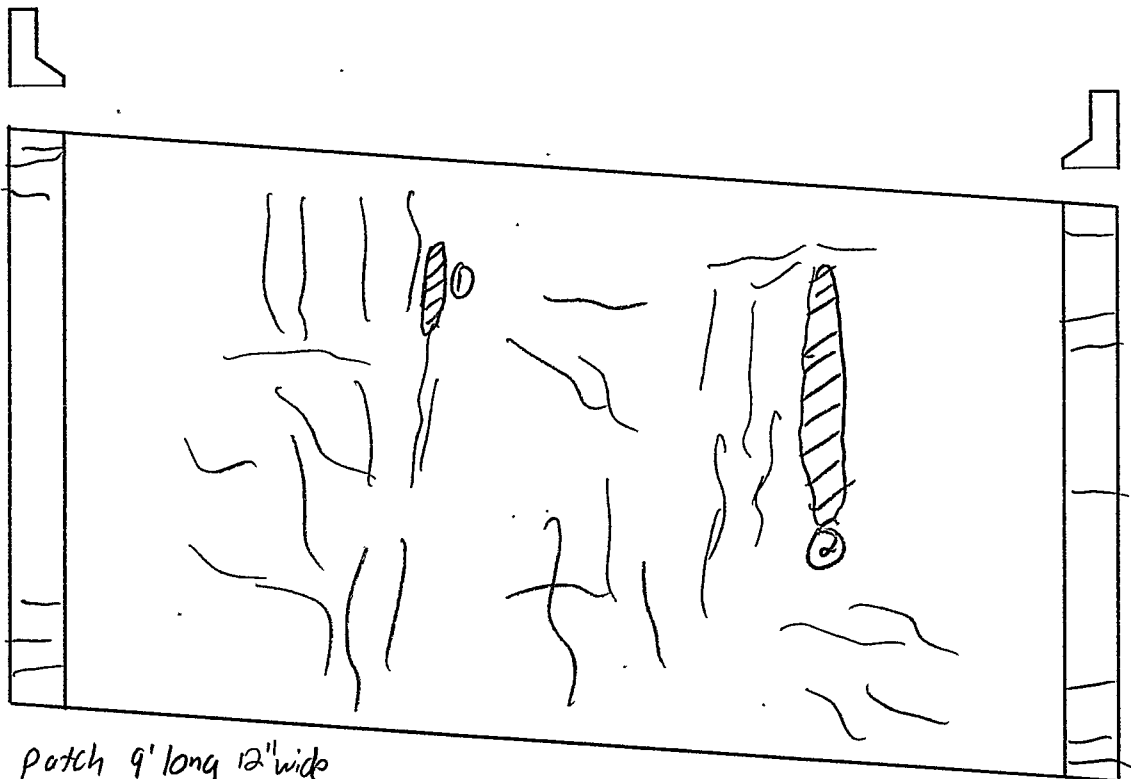
SPAN. NO. 1



ELEMENT	RATING	COMMENT
TOP DECK	G <u>F</u> P C	Cracks up to 1/4"
PARAPET	G <u>F</u> P C	Cracks up to 1/16"
	G F P C	
	G F P C	
	G F P C	



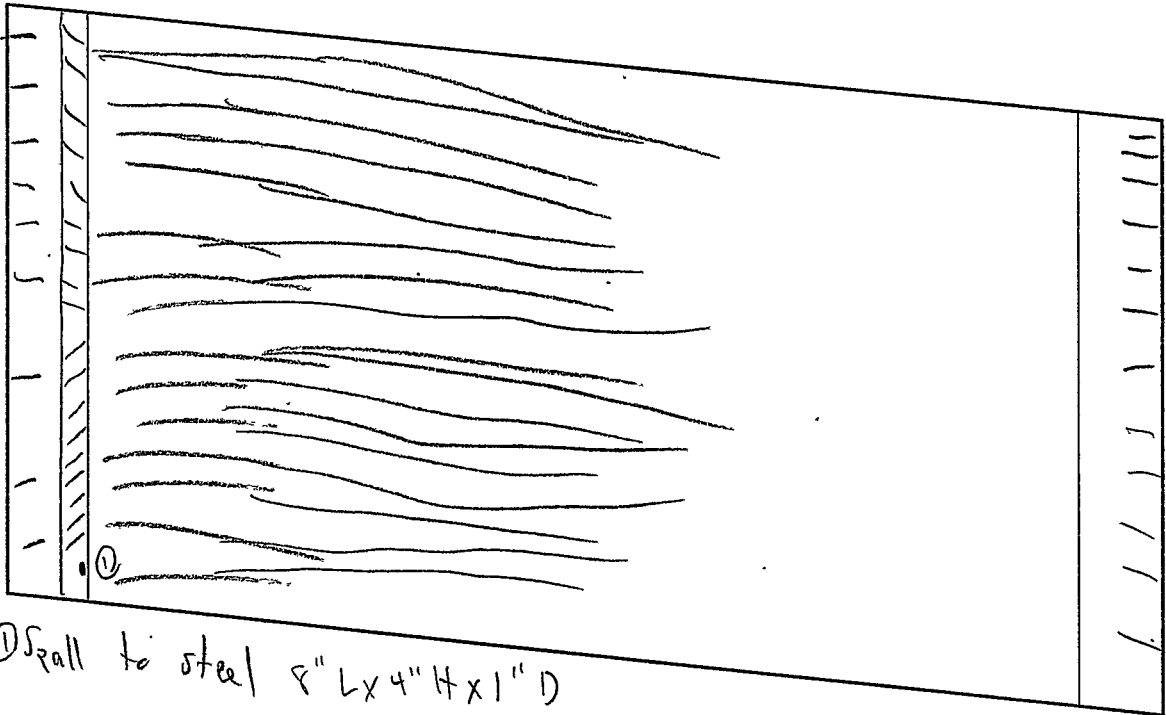
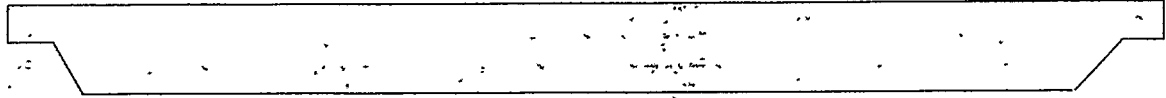
ELEMENT	RATING	COMMENT
BOTTOM DECK	G (F) P C	Hairline cracks w/eff in overhang
BOX BEAM	G F P C	
	G F P C	
	G F P C	
BACKWALLS	G F P C	
	G F P C	



① rough patch 9' long 12" wide

② Spalling 45' long 12" wide 1 1/2" deep

ELEMENT	RATING	COMMENT
TOP DECK	G F <u>P</u> C	①② cracks up to 1/4"
PARAPET	G <u>F</u> P C	cracks up to 1/16"
	G F P C	
	G F P C	
	G F P C	

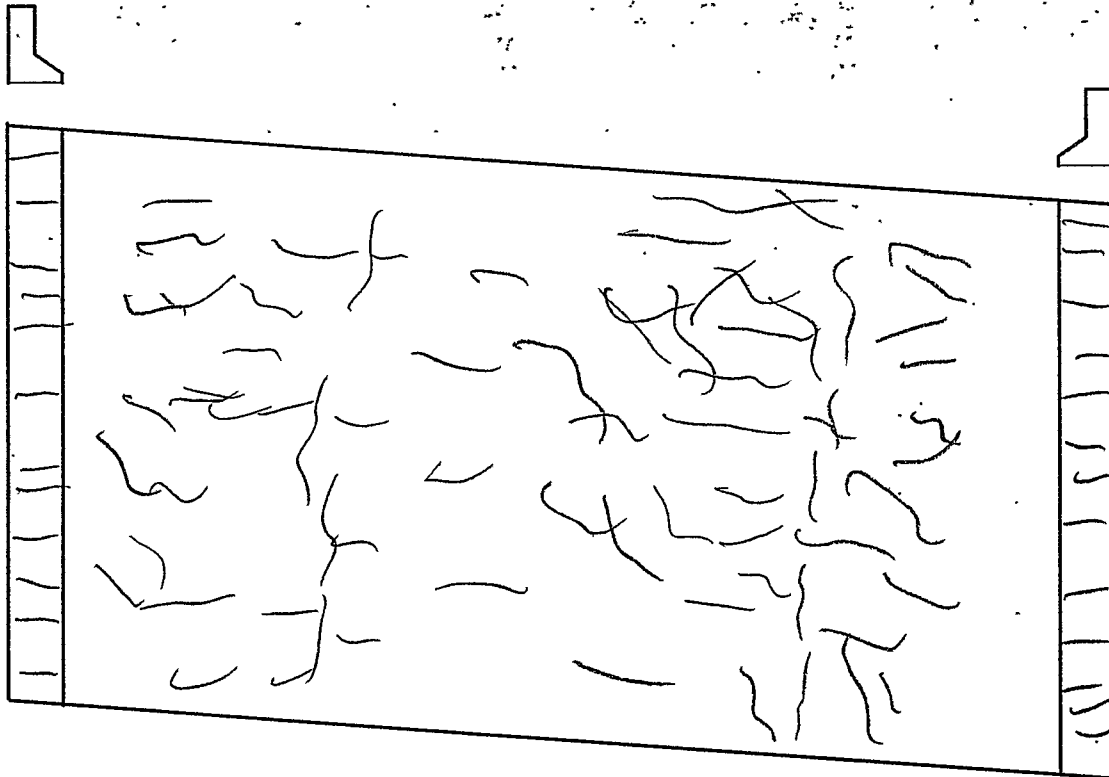


ELEMENT	RATING	COMMENT
BOTTOM DECK	G (F) P C	Hairline cracks w/eff in overhang
BOX BEAM	G (F) P C	Hairline cracks
	G F P C	
	G F P C	
	G F P C	
	G F P C	

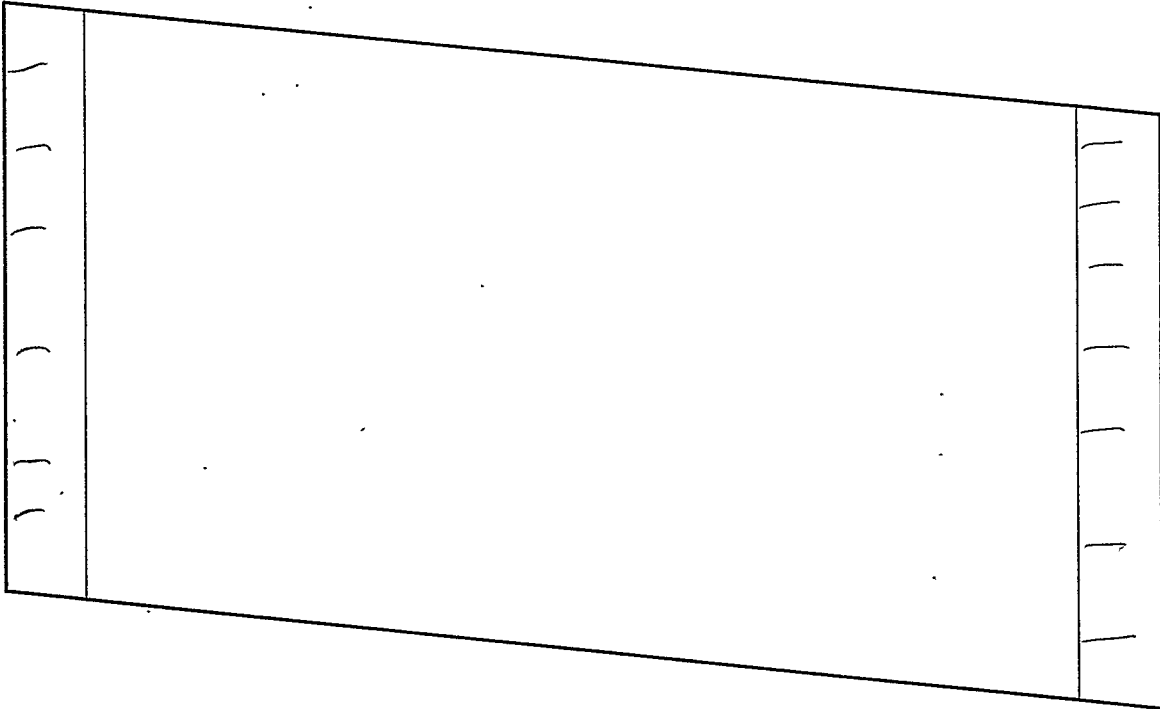
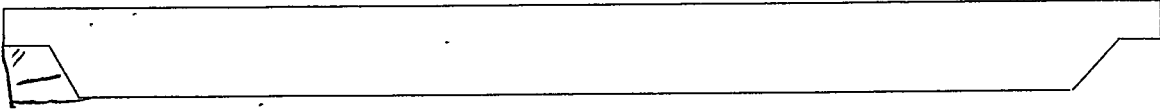
Bridge No. 79 -- SR300 -- 1.21

R/L Skew

SPAN NO. 3



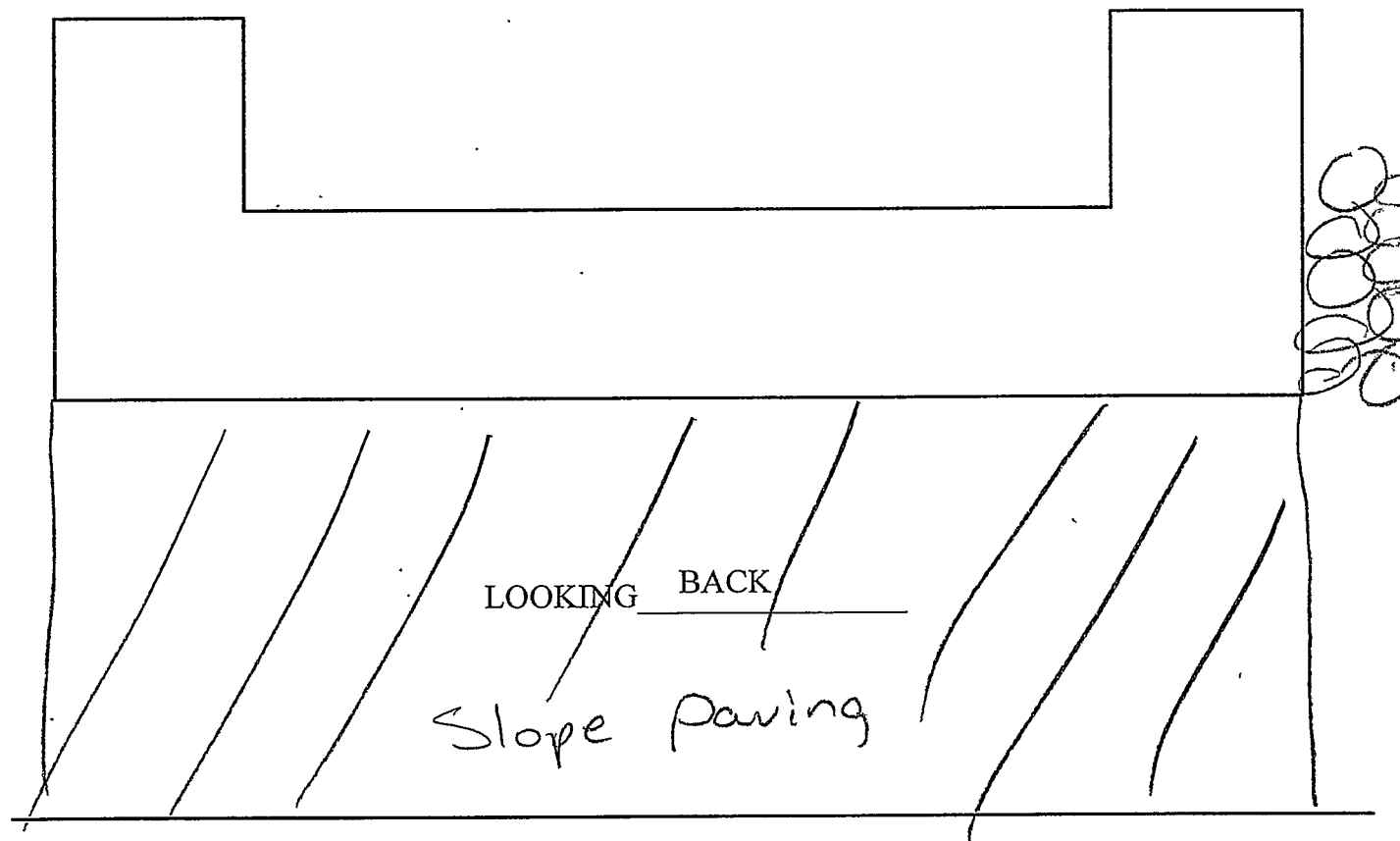
ELEMENT	RATING	COMMENT
TOP DECK	G \textcircled{F} P C	Cracks up to 1/4"
PARAPET	G \textcircled{F} P C	Cracks up to 1/16"
	G F P C	
	G F P C	
	G F P C	



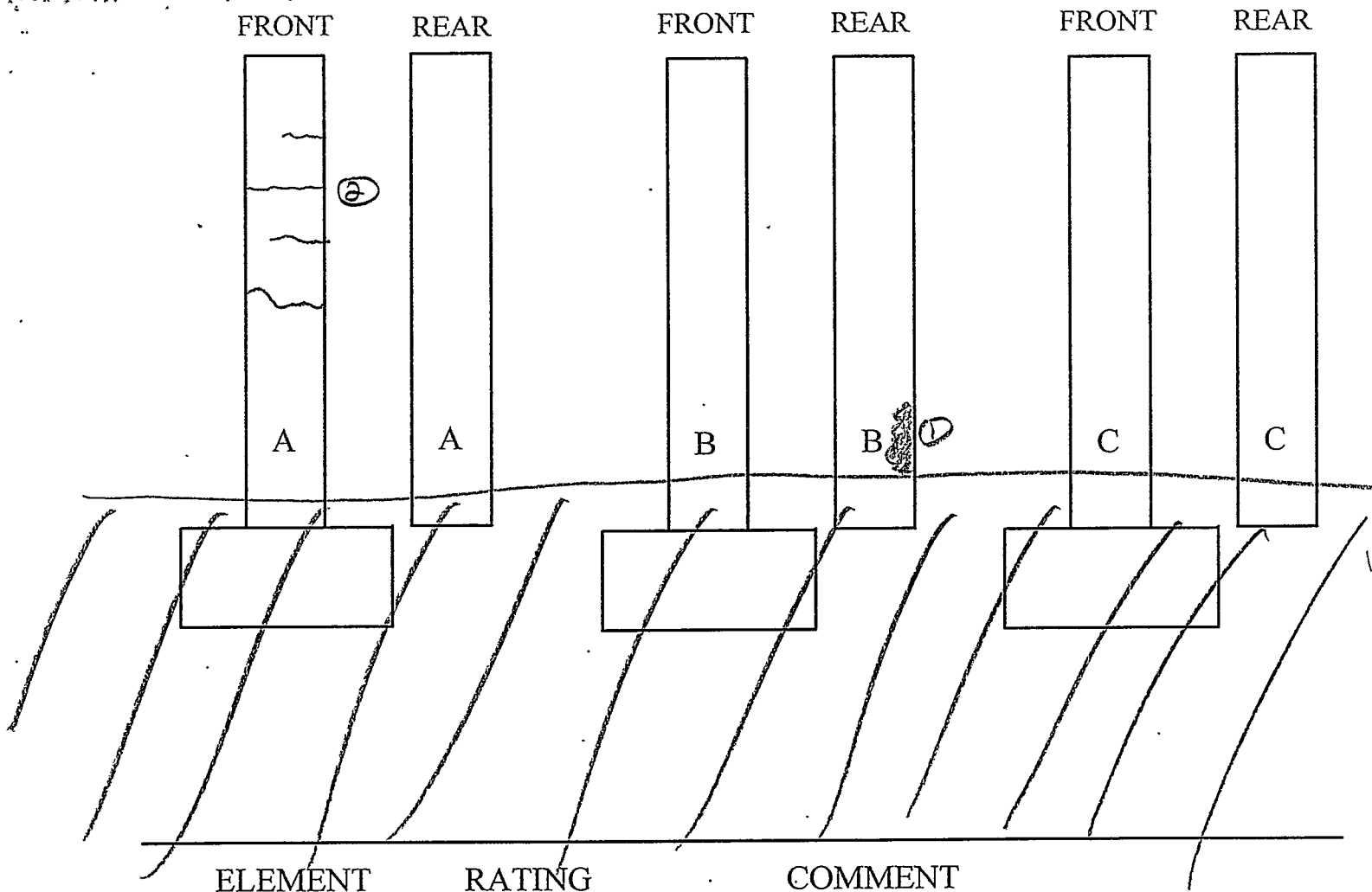
ELEMENT	RATING	COMMENT
BOTTOM DECK	G (F) P C	Hairline cracks v/eff
BOX BEAM	G (F) F P C G F P C G F P C	
BACKWALLS	G (F) P C G F P C	Hairline cracks v/eff

Bridge No. 79 -- SR300 -- 1.21

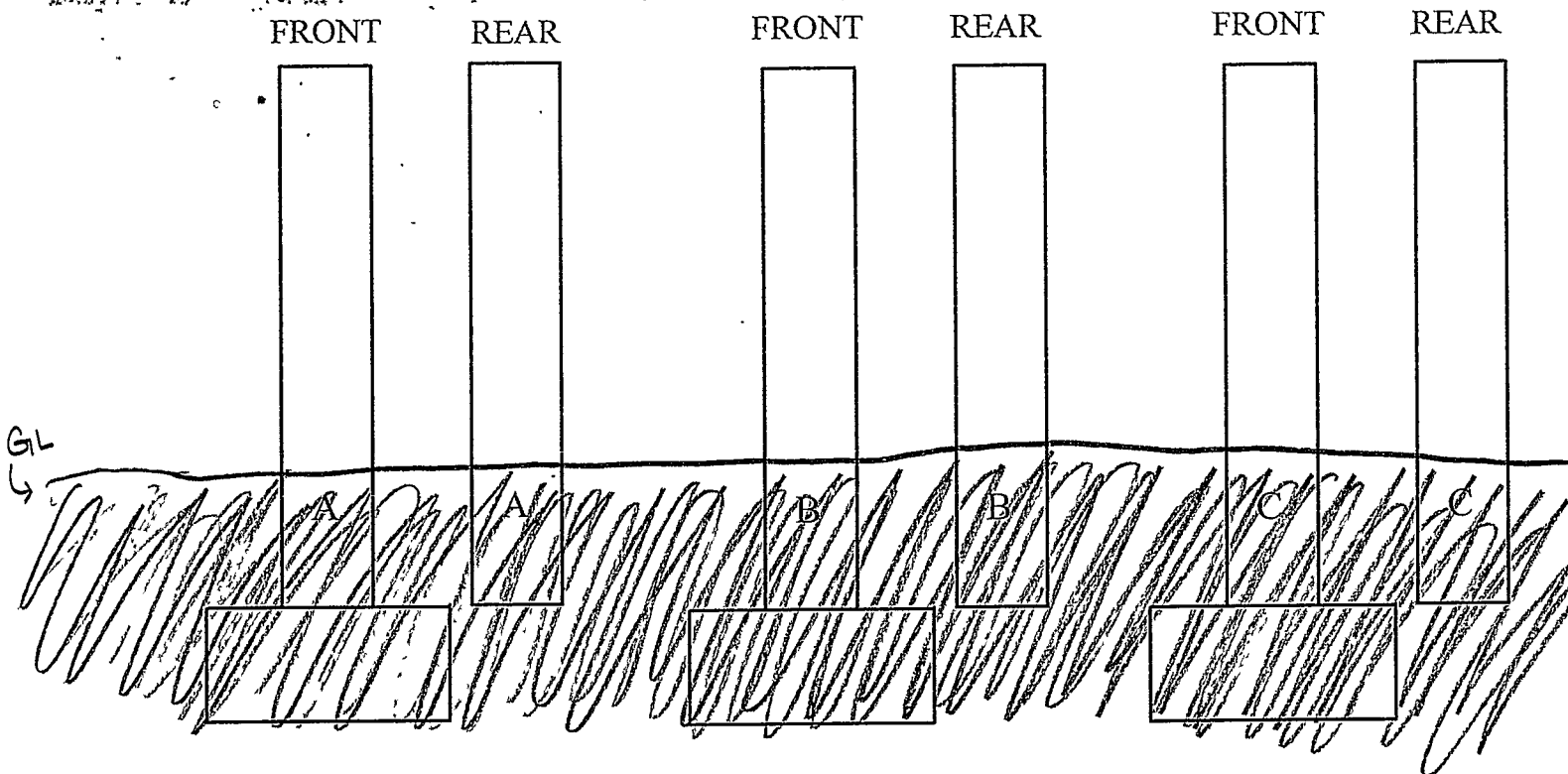
ABUT. NO. 1



ELEMENT	RATING	COMMENT
BEARING	G E P C	
CAP	(G) F P C	
WINGS	(G) F P C	
PILES	G F P C	
EMBANKMENT	(G) F P C	
VEGETATION	(G) F P C	
RIP-RAP	(G) F P C	
SLOPE PAVING	(G) F P C	



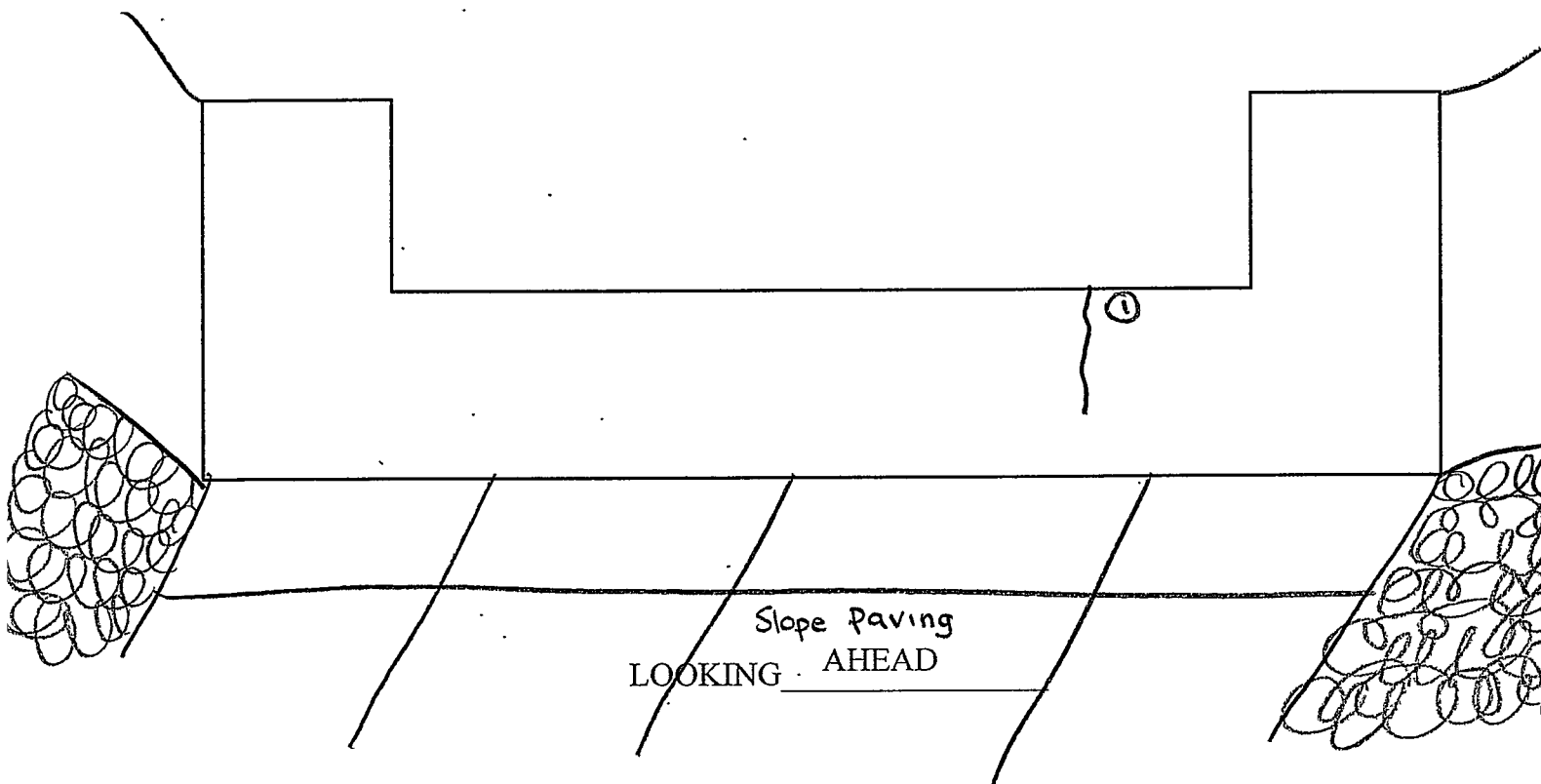
ELEMENT		RATING	COMMENT
COLUMN	A	G <u>F</u> P C	② ①
COLUMN	B	G <u>F</u> P C	
COLUMN	C	G <u>F</u> P C	
FOOTING		G F P C	① slight Damage 36" H x 36" L x 1/16' See photo D
SLOPE PAVING		G <u>F</u> P C G <u>F</u> P C	
BRM Columns			② Hairline Cracking
1130 - 10			



ELEMENT		RATING	COMMENT
COLUMN	A	G F P C	N/V
COLUMN	B	G F P C	
COLUMN	C	G F P C	
FOOTING		G F P C	
SLOPE PAVING		G F P C	

Bridge No. 79 -- SR300 -- 1.21

ABUT. NO. 2



ELEMENT	RATING	COMMENT
BEARING	(G) F P C	① hairline w / EFF
CAP	(G) F P C	- see ①
WINGS	(G) F P C	- texture coat peeling
PILES	G F P C	
EMBANKMENT	(G) F P C	
VEGETATION	G (F) P C	
RIP-RAP	(G) F P C	
SLOPE PAVING	(G) F P C	

Underpass Condition Coding Form

Revised 06/21/2022

Bridge Number: 79I004000612
(Includes Item 5A)

County: 79

Route: I0040

Special Case: 0

County Sequence: 1

Feature Intersected: I-40 W.B.

Log Mile: 5.25

CODE ONLY THOSE VALUES WHICH HAVE CHANGED

ITEM #	DESCRIPTION	VALUE	UNDERPASS SAFETY FEATURES
90	LAST INSPECTION DATE EARLIEST DATE OF NEXT REGULAR INSPECTION	<u>11/19/2020</u> <u>09/20/2022</u> <u>/ /</u>	515 (A) TYPE UNDERPASS BARRIER <u>2</u>
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	<u>16</u> FT. <u>5</u> IN. <u> </u> FT. <u> </u> IN.	Revised Barrier Type
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	<u>16</u> FT. <u>7</u> IN. <u> </u> FT. <u> </u> IN.	(B) ADEQUACY OF BARRIER OR RAIL <u>0</u>
47	TOTAL HORIZONTAL UNDERCLEARANCE	<u>98</u> FT. <u>6</u> IN. <u> </u> FT. <u> </u> IN.	(C) ADEQUACY OF TRANSITIONS <u>0</u>
54	MINIMUM VERTICAL UNDERCLEARANCE (EXCLUDES SHOULDERS) Circle One: (H) R <u>16</u> FT. <u>5</u> IN.		(D) ADEQUACY OF TERMINALS <u>0</u>
55	MINIMUM LATERAL UNDERCLEARANCE ON RIGHT SIDE Circle One: (H) R <u>32</u> FT. <u>0</u> IN.		554 VERTICAL CLEARANCE LISTED ON HEIGHT POSTING <u> </u> FT. <u> </u> IN. <u> </u> FT. <u> </u> IN.
56	MINIMUM LATERAL UNDERCLEARANCE ON LEFT SIDE	<u>30</u> FT. <u>6</u> IN.	16 LATITUDE <u>N 35° 11.4650'</u> 17 LONGITUDE <u>W 90° .9893'</u>
521	OVERALL CONDITION	FAIR	HEIGHT POSTED AT BOTH APPROACHES? YES [] NO [X] N/A []
555	COMMENTS		

Jacob Key
TEAM LEADER SIGNATURE

3/6/23
REVIEW DATE

Form BIR 3.0A
(Rev. 9-22-98)
DT-1443

Field Report No. Date
Previous Report No. Date

Bridge No. <u>79I00400061</u>	<u>79 - SR300 - 0121</u>	Over/Under	<u>79 - I0040 - 0525 I</u>
Eleven Digit No.	Co. Route Log Mile		Co. Route Log Mile
<u>SR300 RP TO I40 EB</u>	or <u>- -</u>		or <u>- -</u>
Railroad/Walkway	Co. Route Log Mile		Co. Route Log Mile
County <u>SHELBY</u>			Road Name: <u>WATKINS. (SR 300)</u>
Year Constructed <u>1977</u>	Structure Name (If Named) <u> </u>		
Year Widened <u> </u>	Year Rehabilitated <u> </u>		

GEOMETRIC FEATURES UNDER BRIDGE (*. * ft. unless otherwise noted)

Divided Highway LEFT RDWY () RIGHT RDWY () N.A. (X) **UNDER CLEARANCE**
 Type of Wearing Surface CONCRETE (X) ASPHALT () GRAVEL ()
 Width of Approach Traveled Roadway 36 ft. (Does Not Include Shoulders)
 Width of Median if Divided Highway ft.
 Approach Shoulder Width 12 ft. Right 16 ft. Left
 *Horizontal Clearance Under Bridge 106 ft. 6 in.
 *Distance Between Pier Protection Guardrail and Substructure 22.5 ft. Right 20 ft. Left
 *Width of Sidewalk Under Bridge ft. Right ft. Left
 *Minimum Vertical Clearance: 16 ft. 5 in.
 *Show on Sketch

TRAFFIC SAFETY FEATURES FOR UNDERPASS ROUTE

		<u>STANDARD</u>	<u>SUB-STANDARD</u>	<u>NON EXIST</u>
Pier Protection Railing or Parapet	<u>(G)</u> F P C	<u>(X)</u>	<u>()</u>	<u>()</u>
Approach Guardrail Transitions	G F P C	<u>()</u>	<u>()</u>	<u>(X)</u>
Approach Guardrail	<u>(G)</u> F P C	<u>(X)</u>	<u>()</u>	<u>()</u>
Approach Guardrail Terminal	<u>(G)</u> F P C	<u>(X)</u>	<u>()</u>	<u>()</u>

SIGNING FOR UNDERPASS ROUTE

Paddleboards 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 ()
 Other Underpass Signs Needed

INSPECTORS

1. See
 2.
 3.
 4.
 5.
 6.

Form BIR 3.0A (Continued)
(Rev. 9-22-98)
DT-1443

UNDER CLEARANCE

Page No. _____

Date _____

	<u>79</u> - <u>SR300</u> - <u>0121</u>	Over/ Under	<u>79</u> - <u>I0040</u> - <u>0525</u> <u>1</u>
	Co. Route Log Mile		Co. Route Log Mile
<u>SR300 RP TO I40 EB</u>	or - -		or - -
	Co. Route Log Mile		Co. Route Log Mile

Other Signs or Plaques: _____

Comments Regarding any
Problems with Signing: _____

BRIDGE FEATURES (*.* ft.)

Bridge Skew 60L °

Structure Type (Main Span) CONCRETE BOX BEAM No. Main Spans 3

Structure Type (Appr. Spans) _____ No. Appr. Spans _____

Maximum Span Length 134.5 (ft.) Total Length 348.5 (ft.)

Width of Bridge Out-to-Out 50.4 (ft.) Right Angle to Centerline of Bridge)

Width of Bridge Along Skew _____ (ft.) (If Unable to Measure at Right
Angle to Centerline 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 or 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 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

BRIDGE LOC. NO. 79 SR300 0121
CO. ROUTE L. M. L/R

DATE: _____

LATERAL AND VERTICAL CLEARANCES

SR300 RP TO I40 EB

79 - I0040 - 0525 1
Co. Route Log Mile

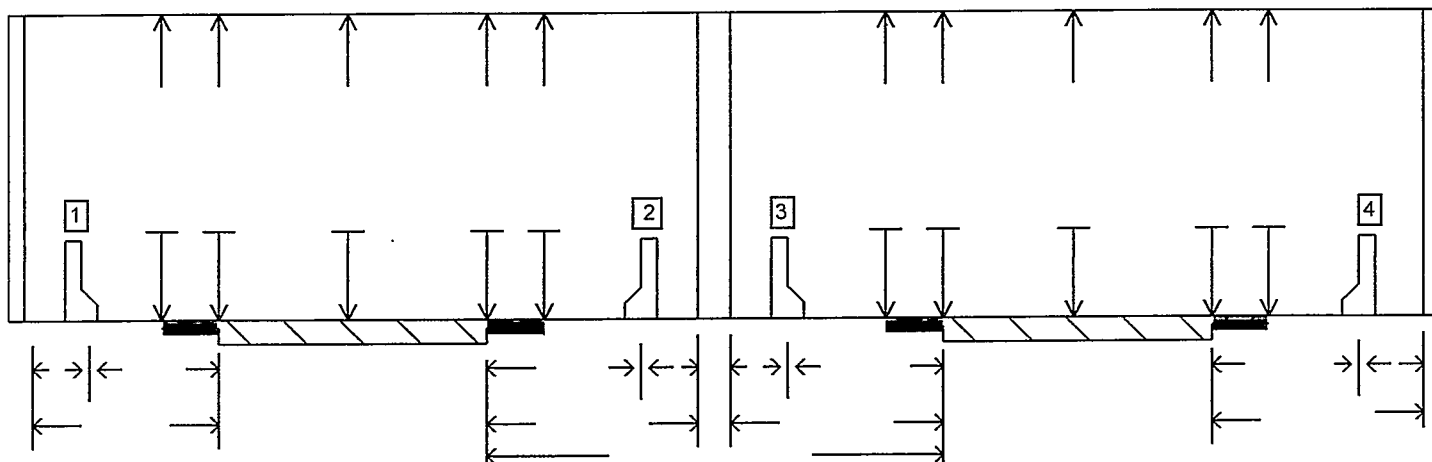
or - - -
Co. Route Log Mile

or - - -
Co. Route Log Mile

BENT/ABUT. _____

BENT _____

BENT/ABUT. _____

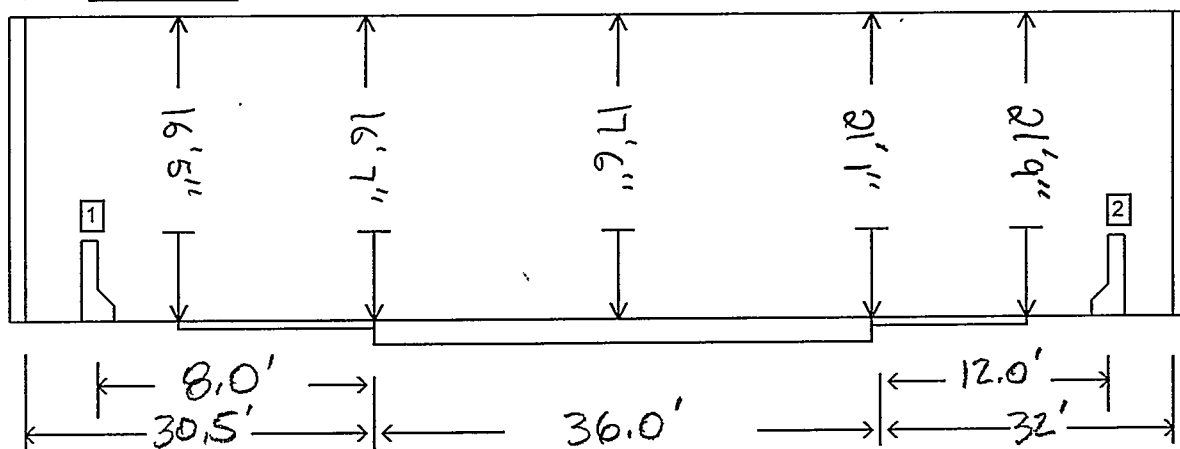


- | | | | | | | |
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| 2. RAIL/BARRIER TYPE: | W-SHAPE | <input checked="" type="checkbox"/> | CONC. BARRIER | <input type="checkbox"/> | NONE | <input type="checkbox"/> |
| 3. RAIL/BARRIER TYPE: | W-SHAPE | <input type="checkbox"/> | CONC. BARRIER | <input type="checkbox"/> | NONE | <input type="checkbox"/> |
| 4. RAIL/BARRIER TYPE: | W-SHAPE | <input type="checkbox"/> | CONC. BARRIER | <input type="checkbox"/> | NONE | <input type="checkbox"/> |

UNDER CLEARANCE

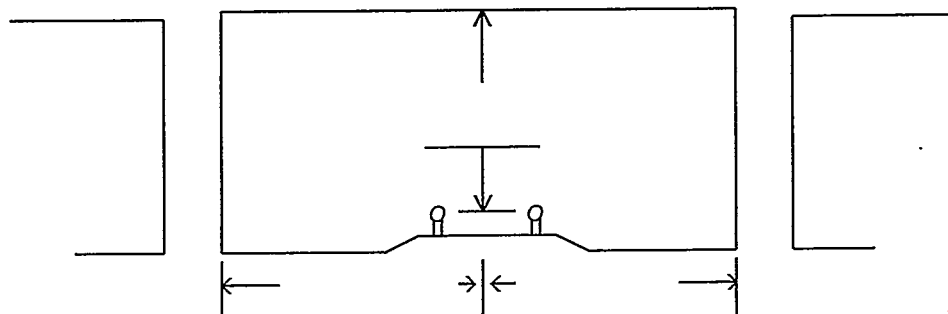
BENT/ABUT. 1

BENT/ABUT. 2



BENT/ABUT. _____

BENT/ABUT. _____



Form BIR 3.0A

(Rev. 9-22-98)

DT-1443

Field Report No. _____ Date _____

Previous Report No. _____ Date _____

Bridge No. 79I00400061

Eleven Digit No.

79 - SR300 - 0121

Co. Route Log Mile

Over/
Under79 - I0040 - 0527 1

Co. Route Log Mile

SR300 RP TO I40 EB

Railroad/Walkway

or

- - -

Co. Route Log Mile

or

- - -

Co. Route Log Mile

County SHELBYRoad Name: WATKINS. (SR 300)Year Constructed 1977

Structure Name (If Named) _____

Year Widened _____

Year Rehabilitated _____

GEOMETRIC FEATURES UNDER BRIDGE (*. * ft. unless otherwise noted)Divided Highway LEFT RDWY () RIGHT RDWY () N.A. (X) OVER CLEARANCE

Type of Wearing Surface CONCRETE () ASPHALT () GRAVEL ()

Width of Approach Traveled Roadway 44 ft. (Does Not Include Shoulders)

Width of Median if Divided Highway _____ ft.

Approach Shoulder Width 9 ft. Right 6 ft. Left*Horizontal Clearance Under Bridge 59 ft. 0 in.*Distance Between Pier Protection
Guardrail and Substructure- ft. Right - ft. Left

*Width of Sidewalk Under Bridge

- ft. Right - ft. Left

*Minimum Vertical Clearance:

16 ft. 7 in.

*Show on Sketch

TRAFFIC SAFETY FEATURES FOR UNDERPASS ROUTE

				STANDARD	SUB-STANDARD	NON EXIST
Pier Protection Railing or Parapet	G	(P)	C	(X)	()	()
Approach Guardrail Transitions	G	F	P	C	()	(X)
Approach Guardrail	G	F	P	C	()	(Y)
Approach Guardrail Terminal	G	F	P	C	()	(X)

SIGNING FOR UNDERPASS ROUTE

Paddleboards YES () NO (X) NEEDED ()

Vertical Clearance (<14'-6") YES () NO (Y) NEEDED ()

Narrow Passage YES () NO (Y) NEEDED ()

One Lane Passage YES () NO (Y) NEEDED ()

Other Underpass Signs Needed

INSPECTORS

1. Keel
2. Bedford
3. _____
4. _____
5. _____
6. _____

over Clearance

Form BIR 3.0A (Continued)

Date _____

(Rev. 9-22-98)

DT-1443

Underpass Location No. 79 - 10040 - 0525 -
Co. Route Log Mile

Other Signs or Plaques: _____

Comments Regarding any
Problems with Signing: _____**BRIDGE FEATURES** (*.* ft.)

Bridge Skew 60° Lt
 Structure Type (Main Span) Box Beam No. Main Spans 3
 Structure Type (Appr. Spans) _____ No. Appr. Spans _____
 Maximum Span Length 134.0' (ft.) Total Length 348' (ft.)
 Width of Bridge Out-to-Out 44' (ft.) Right Angle to Centerline of Bridge
 Width of Bridge Along Skew _____ (ft.) (If Unable to Measure at Right
 Number of Lanes/Tracks on Bridge 2 Angle to Centerline of Bridge)

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 or Failure of Major Member YES () NO (X)

Comment on any Conditions of Bridge that would Effect Roadway Beneath:

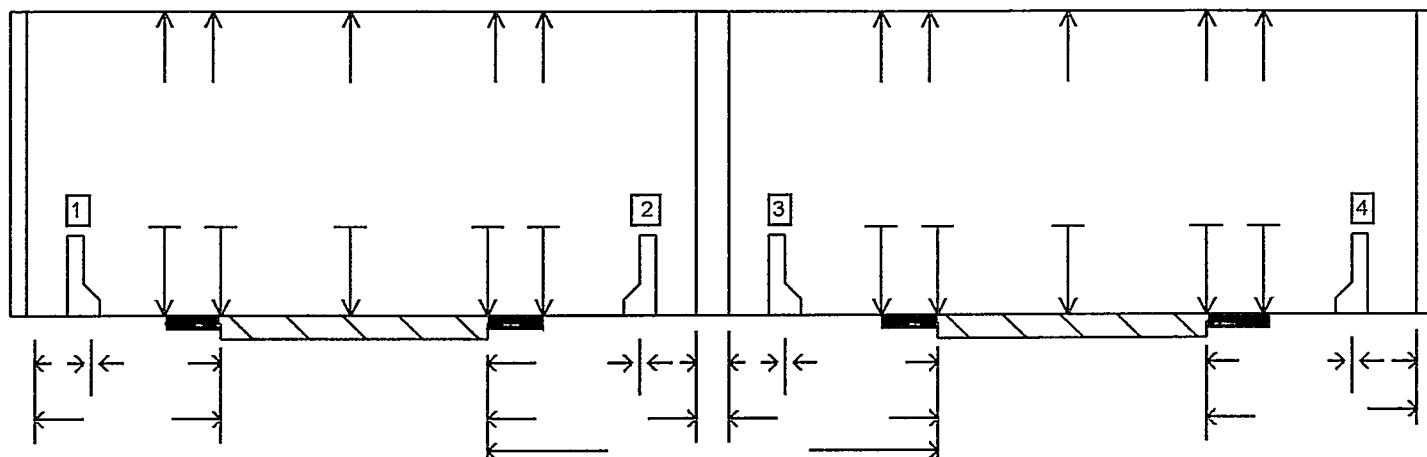
Note: If Underpass Route is Divided Highway, Use Two of These Forms, One for Each Roadway.

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

LATERAL AND VERTICAL CLEARANCES

BENT/ABUT. _____ BENT _____ BENT/ABUT. _____



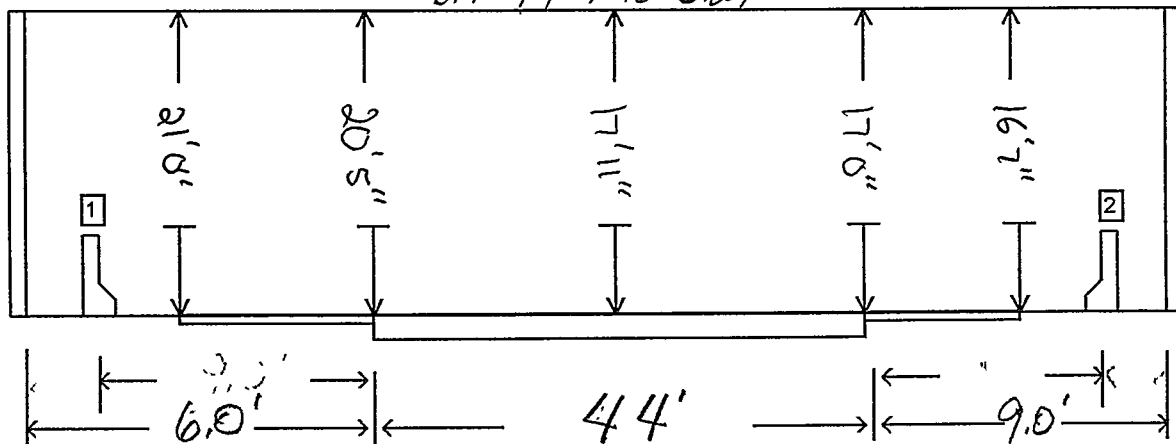
- | | | | | | | |
|-----------------------|---------|--------------------------|---------------|--------------------------|------|--------------------------|
| 1. RAIL/BARRIER TYPE: | W-SHAPE | <input type="checkbox"/> | CONC. BARRIER | <input type="checkbox"/> | NONE | <input type="checkbox"/> |
| 2. RAIL/BARRIER TYPE: | W-SHAPE | <input type="checkbox"/> | CONC. BARRIER | <input type="checkbox"/> | NONE | <input type="checkbox"/> |
| 3. RAIL/BARRIER TYPE: | W-SHAPE | <input type="checkbox"/> | CONC. BARRIER | <input type="checkbox"/> | NONE | <input type="checkbox"/> |
| 4. RAIL/BARRIER TYPE: | W-SHAPE | <input type="checkbox"/> | CONC. BARRIER | <input type="checkbox"/> | NONE | <input type="checkbox"/> |

PARAPET
BENT/ABUT. LT

Over Clearance

PARAPET
BENT/ABUT. RT

Br. # 79-1-40-5.27



BENT/ABUT. _____

BENT/ABUT. _____

