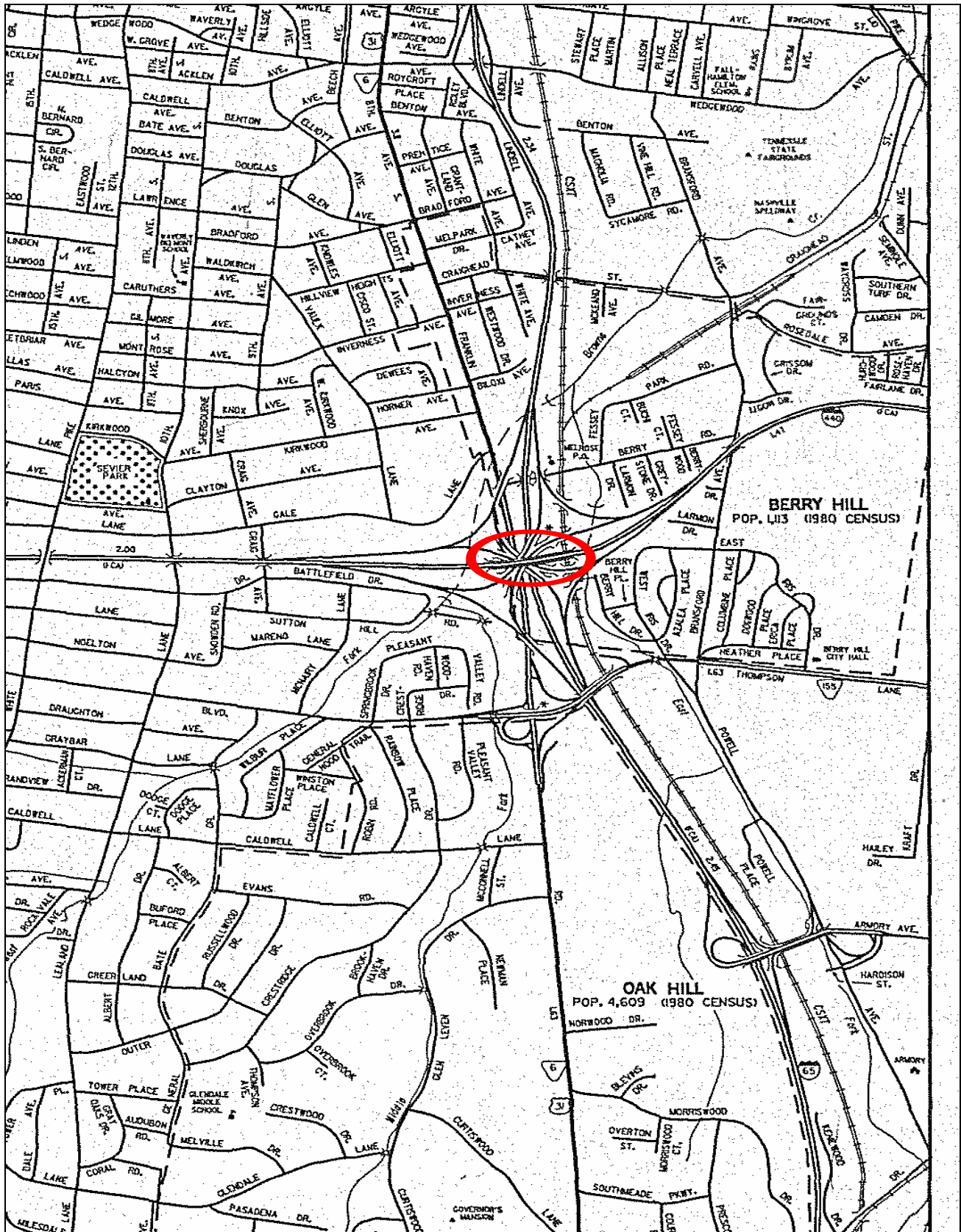


DAVIDSON COUNTY



19100650113
19-I0440-4.85 RT
L4-SN 167 RL/L3-SN 164 & 165

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BRIDGE MAINTENANCE RECOMMENDATIONS



Tennessee Department
of Transportation

COUNTY: DAVIDSON
 LOCATION: 19-I0440-04.85-R
 CO. SEQ.: 1 SPEC. CASE: 0
 MILEPOST: 4.79

CROSSING: L4-SN167-RL/L3-SN164&165
 FED. BRIDGE NO.: 19I00650113
 MAINT. DIST.: 19

REPAIR LIST NO.: 1
 DATE ADDED: 04/16/2014
 REVISED: 02/12/2018

FACILITY CARRIED:	I440	NUMBER OF MAIN SPANS:	6
HIGHWAY SYSTEM:	02-INTERSTATE URBAN	NUMBER OF APPROACH SPANS:	0
BRIDGE WIDTH (CURB TO CURB):	41 FT 11 IN	BRIDGE LENGTH (FT):	1036
BRIDGE WIDTH (OUT TO OUT):	43 FT 11 IN	MAXIMUM SPAN LENGTH (FT):	282
APPROACH ROADWAY (W/SHOULDERS):	41 FT 11 IN	SKEW ANGLE (DEGREES):	90
MAINTAINED BY: STATE HIGHWAY AGENCY			
MAIN SPAN MATERIAL: STEEL CONTINUOUS			
MAIN SPAN DESIGN TYPE: BOX BEAM OR GIRDERS - SINGLE OR SPREAD			
APPROACH SPAN MATERIAL: OTHER OR NOT APPLICABLE			
APPROACH SPAN DESIGN TYPE: OTHER OR NOT APPLICABLE			
INSPECTION DATE:	02/12/2018	GENERAL CONDITION:	FAIR
EVALUATION DATE:	03/28/2016	STRUCTURALLY DEFICIENT:	YES
PPRM PIN NUMBER:	119954.00		
H TRUCK RATING @ INV.:	20 TONS	SUFFICIENCY RATING:	39.0

No.	RECOMMENDATIONS	REPAIR DATE	REPAIRED BY
1.	REPAIR CRACKS IN TUB GIRDERS "A" & "B"		
2.	REPLACE MISSING BOLTS (NUMEROUS) IN DIAPHRAGM TUB "B"		
3.	SEAL/REPAIR APPROACH PAVEMENT		

SUGGESTED ROUTINE MAINTENANCE AND COMMENTS
CLEAN AND PAINT ALL STRUCTURAL STEEL
CLEAN AND REPAINT CORROSION INSIDE GIRDERS
REMOVE AND CONTROL MOSITURE ACCUMULATION INSIDE TUB "B" SP #4
CLEAN EXPANSION DEVICES
REPAIR APPROACH DRAIN LEFT SIDE "B" END

GENERAL COMMENTS:
 BRIDGE IS CURRENTLY UNDER CONCTRACT FOR REPAIRS 3/7/2016.
 REPAIRED PARAPETWALLS LT. AND RT. @ JOINT ON EACH END OF STRUCTURE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

Bridge Condition Coding Form

Revised 02/12/2018

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="02/12/2018"/>	(Values for Coding Items 58, 59, 60 and 62)
	EARLIEST DATE OF NEXT REGULAR INSPECTION	<input type="text" value="12/14/2019"/>	
		<input type="text" value="/ /"/>	
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	99 FT. 99 IN.	9 EXCELLENT CONDITION 8 VERY GOOD CONDITION - NO PROBLEMS NOTED.
		<input type="text"/> FT. <input type="text"/> IN.	
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	99 FT. 99 IN.	7 GOOD CONDITION - SOME MINOR PROBLEMS. 6 SATISFACTORY CONDITION - MINOR DETERIORATION OF STRUCTURAL ELEMENTS.
		<input type="text"/> FT. <input type="text"/> IN.	
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 Terminal SPEED LIMIT	1 0 0 1 55	
41	STRC OPEN/CLOSED/POSTED	A	4 POOR CONDITION - ADVANCED SECTION LOSS, DETERIORATION, SPALLING OR SCOUR.
	A K P	<input type="text"/>	
58	DECK	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.
59	SUPERSTRUCTURE	6	
60	SUBSTRUCTURE	6	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	N	
62	CULVERT AND RETAIN WALL	N	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.
71	WATERWAY ADEQUACY	N	
72	APPROACH RDWY ALIGNMENT	6	0 FAILED CONDITION - OUT OF SERVICE AND BEYOND CORRECTIVE ACTION.
521	OVERALL CONDITION	FAIR	
16	LATITUDE	17 LONGITUDE	
	N 36° 6.9390'	W 86° 46.4950'	
	<input type="text"/>	<input type="text"/>	
TEAM LEADER SIGNATURE		REVIEW DATE	
<input type="text"/>		<input type="text"/>	

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Bridge ID#: 19I00650113

Date: 02/12/2018



TUB "A" REPAIRS TYP.



TUB "A" DECK PANELS - TYP.

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TUB "A" DIAPH.#3 SP.#1 DECK PANEL W/ SPALL

Photographs

Bridge ID#: 19I00650113

Date: 02/12/2018



APPROACH "A" I440



VIEW ACROSS TOP OF WEARING SURFACE I440

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EXPANSION JOINT "A" W/ DEBRIS BLD-UP



PIER #1 - TYP.

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PIN - TYP.



NUT VIEW W/ PIN - TYP

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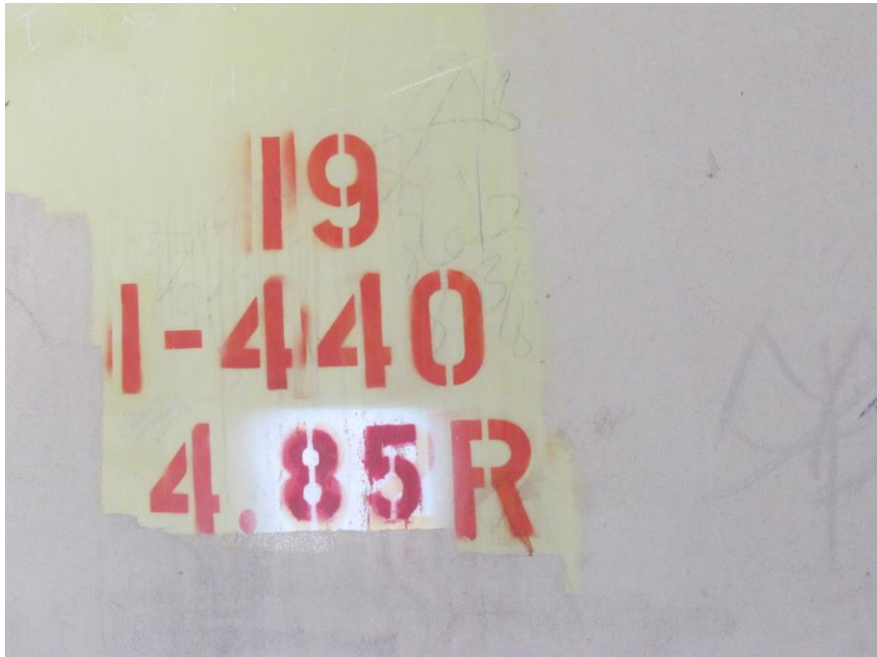
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BEARING DEVICE W/ REPAIRS ABUT. #1



BRIDGE NO.

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ABUTMENT #1



TUB "B" DIAPHRAGM #1 SP. #1 REPAIRS TYP

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TUB "B" REPAIRS CLOSE-UP - TYP.



TUB "B" REPAIRS CLOSE-UP - TYP.

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END VIEW AT SPAN #1



TUB "B" SP. #2 W/ 2 MISSING BOLTS DIAPH.#6

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TUB "B" SP.#3 W/ 3 MISSING BOLTS DIAPH. #1



TUB "B" SP. #3 W/ 3 MISSING BOLTS DIAPH. #2

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TUB "B" DECK PANELS SP. #3 W/ REPAIRS



TUB "B" DECK PANELS SP. #3 W/ REPAIRS

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TUB "B" DECK PANEL SP. #3 W/ SPALL



TUB "B" SP. #3 W/ 1 MISSING BOLT DIAPH. #10

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TUB "B" DECK PANEL SP. #3 W/ SPALL



TUB "B" DECK PANEL#1 SP. #3 W/ SPALL & E.S

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TUB "B" SP. #4 W/ 1 MISSING BOLT DIAPH. #6



TUB "B" SP. #4 W/ 1 MISSING BOLT DIAPH. #8

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TUB "B" DECK PANEL SP. #4 W/ SPALL



TUB "B" SP. #6 W/ 1 MISSING BOLT DIAPH.#11

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CLEARANCE VIEW LT. SIDE



TUB "B" CLOSE-UP VIEW REPAIR PLATE OUTSIDE

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GIRDER W/ PAINT PEELING AT SPAN #6



SLOPE PAVEMENT ABUTMENT #2 W/ SAG

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Date: 02/12/2018



APPROACH "B" I440



EXPANSION JOINT "B" W/ DEBRIS BLD-UP

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BRIDGE INSPECTION REPORT

Page No. _____

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

Field Report No. 22 Date 2/12/2018
Previous Report No. 21 Date 3/7/2016
Plans: DESIGN

Bridge No. 19I00650113
Eleven Digit No.

Bridge Location No. 19 - I0440 - 4.85 RT
Co. Route Log Mile

L4-SN167-RL over L3-SN164 & 165
Road Name Crossing Structure Name (If Named)

Year Constructed 1985 ACTUAL County Davidson Maintenance District 37

Year Widened _____ Year Rehabilitated _____

FEATURES

Wearing Surface CONCRETE Depth _____ (in.)

Flared Width NO Median Width OPEN

Navigational Control NO Bridge Skew 90°

Structure Type (Main Span) STG

Structure Type (Appr.Spans) _____

No. Main Spans 6 No. Approach Spans _____

Maximum Span Length 281.7' (**.* ft.)

Total Length 1035.8' (**.* ft.)

INSPECTORS

- TL. BILLINGSLEY
- 2. VOGEL
- 3. BROWN
- 4. LOVE
- 5. ALEXANDER
- 6. HAYNES
- 7. GON
- 8. BALLARD

WIDTHS (*.* ft.)

Deck Out-to-Out 44'

Roadway Curb/Curb _____

Roadway Rail/Rail 42'

Sidewalk Rt. _____ Lt. _____

*Approach Roadway 24'

*(Does Not Include Shoulders)

Approach Shoulder Rt. 13'

Lt. 5

CLEARANCES

Min. Vertical Clearance over Deck _____ (ft.-in.)

Min. Vertical Under Clearance 17' 9" (ft.-in.)

Min. Lateral Under Clearance Rt. 8' (*.* ft.)

Min. Lateral Under Clearance Lt. _____ (*.* ft.)

FRACTURE CRITICAL: YES

(If Yes, Include BIR 3.9)

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

UNDERWATER INSPECTION

To Be Performed By: N/A Date _____

Change in Structural Condition: YES Major Repairs Made: YES BRIDGE is: OPEN

COMMENTS:

Supervising Bridge Inspector: GEREMY BILLINGSLEY

BRIDGE RATING: FAIR

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PERFORMANCE EVALUATION

Time of Day Inspected 9:00 AM Weather Conditions CLDY 38
Vehicles Observed ALL TYPES

LIVE LOAD BEHAVIOR

Substructure	Yes/No	Comments
Horiz./ Vert. Defl.	NO	
Vibration	YES	
Superstructure		
Horiz./ Vert. Defl.	YES	
Vibration	NO	

APPROACH

	Rating	Comments
Alignment	GOOD	NO SPEED REDUCTION REQUIRED
Slab	GOOD	
Joints	FAIR	CHIPPING @ EDGES & WORN FILLER
Pavement	POOR	'A' & 'B' ENDS- AC PATCHES, POTHOLES
Embankment	GOOD	
Drains	GOOD	

TRAFFIC SAFETY FEATURES

	Rating	Standard/ SubStandard	Comments
Bridgerailing	GOOD	STANDARD	LGT VERTICAL CRACKS
Transitions	FAIR	SUBSTANDARD	METAL BLOCKOUTS, LGH-MOD RUST
Guardrail	FAIR	SUBSTANDARD	METAL BLOCKOUTS, LGH-MOD RUST
Guardrail Terminal	GOOD	STANDARD	

SIGNING

	Yes/ No/ Needed	Weight Limit Posted <u>NO</u>
Paddleboards	NO	Gross..... _____ Tons
Vertical Clearance (<14'-6")	NO	2 Axle..... _____ Tons
Narrow Bridge Signs	NO	3 or more Axles.. _____ Tons
One Lane Bridge Signs	NO	

Other Signs or Plaques:

Comments Regarding any Problems with Signing:

DECK

	Rating	Comments
Wearing Surface	GOOD	CONCRETE--THIN EPOXY OVERLAY
Deck - Structural Condition	FAIR	BTM--DECK PANELS W/H.C'S
Curbs	NA	
Median	NA	
Sidewalks	NA	
Parapet	GOOD	VERT. CRACKS W/ EFF
Railing	NA	
Paint	NA	
Drains	NA	
Lighting Standards	NA	
Utilities	NA	
Joint Leakage	POOR	
Expansion Joints	FAIR	LGH.. DEBRIS BLD-UP (ASSEMBLY TYPE)

SUPERSTRUCTURE

Bearing Devices	FAIR	ABUT #1- SLID BACKSTATION 2"-3", ABUT #2 - SLID BACKSTATION 1.5"-2.5", MOD RUST & CORROSION
Girders or Beams	FAIR	REPAIRED 2017
Floor Beams	NA	
Stringers	NA	
Diaphragms	FAIR	REPAIRED 2017
Bracing	GOOD	
Trusses - General	NA	
Portals	NA	
Bracing	NA	
Paint	POOR	HVY FADING, STAINS, & FLAKING
Alignment of Members	GOOD	

TEXTURE COAT

Condition Rating	<u>FAIR</u>	Needs Spot Painting	<u>NO</u>
Overall Appearance	<u>FAIR</u>	Needs Repainting	<u>YES</u>
Staining Rating	<u>FAIR</u>	Comments	
Fading Rating	<u>FAIR</u>		
Scaling Rating	<u>FAIR</u>		

SUBSTRUCTURE

ABUTMENTS

	Rating	Comments
Caps	FAIR	MAP & VERT. CRACKS UP TO 1/16" OPEN
Breastwall	NA	
Wings	GOOD	H.L. MAP CRACKS, ABUT #2 RT-LGH SPALL
Backwall	FAIR	NUMEROUS PATTERN & MAP CRACKS @ #2
Plumb	GOOD	
Footing	NA	
Piles	NA	
Embankment	GOOD	ABUT #2 - 8" SETTLEMENT
Bearing Surface	GOOD	
Slope Paving	GOOD	
Rip Rap	NA	

PIERS

Caps	GOOD	
Columns	GOOD	LGH. CORR.
Plumb	GOOD	
Footings	GOOD	VERT. H.C.'S
Piles	NV	
Bearing Surface	GOOD	

BENTS

Caps	NA	
Columns		
Plumb		
Footings		
Piles		
Bearing Surface		

Piles Need Replacement: NO

Piles To Be Replaced:

FRACTURE CRITICAL MEMBERS AND DETAILS

Form BIR 3.9
(Rev. 9-22-98)
DT-1507

Bridge Location No. 19 - I0440 - 4.85 RT
Co. Route Log Mile

Date 2/12/2018

Note: Questions I and II Both Must be Answered.

- I. Is This a Non-Redundant Bridge? YES (If YES then Answer Question III)
- II. Does It Have Fracture Critical Details? YES (If YES then Answer Question IV)

Note: Answer YES to Only Those Items That Apply for Questions III and IV.

III. Type of Non-Redundant Bridge

- 1. Simply Supported Two Girder System.....
- 2. Continuous Two Girder System..... YES
- 3. Simply Supported Truss.....
- 4. Continuous Truss.....
- 5. Simply Supported Longitudinal Box Beam..
- 6. Continuous Longitudinal Box Beam.....
- 7. Suspension Bridge.....
- 8. Tied Arch Bridge.....
- 9. Steel Pier/Bent Cap..... YES
- 10. Single Bearing Device..... YES

IV. Fracture Critical Details:

- 1. Changes in Cross Section at:
 - a. Cover Plates..... NO
 - b. Insert Plates..... NO
 - c. Coped Sections..... NO
- 2. Framing System Member Connected at Tension Areas of:
 - a. Floor Beams..... NO
 - b. Bracing Mambers.....
 - c. Diaphragms or Cross Frames..... YES
- 3. Web Stiffeners..... YES
- 4. Eyebars.....
- 5. Pin and Hanger Connections.....
- 6. Single Bearing Devices..... YES

IV. Structural Condition of Fracture Critical Member and Details: (Note Location)

- 1. a. Cracking of Fracture Critical Members. NO
- b. Cracking of Fracture Critical Details.... NO
- 2. a. Corrosion of Fracture Critical Members.. NO
- b. Corrosion of Fracture Critical Details..... NO

IV. Comments:

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Inspection Team's Summary
Bridge Location No. 19 - I0440 - 4.85 R
Inspection Date 2/12/2018
Bridge Rating FAIR

Approach alignment is good with no speed reduction required. The approach drains are poor at 'A' and 'B' end left side with heavy debris accumulation. Approach slabs are fair with asphalt patches, map cracks, and light settlement. Approach joints are good. Approach traffic safety features are good. Bridgerail is good with new texture coat, impact chips, and vertical cracks.

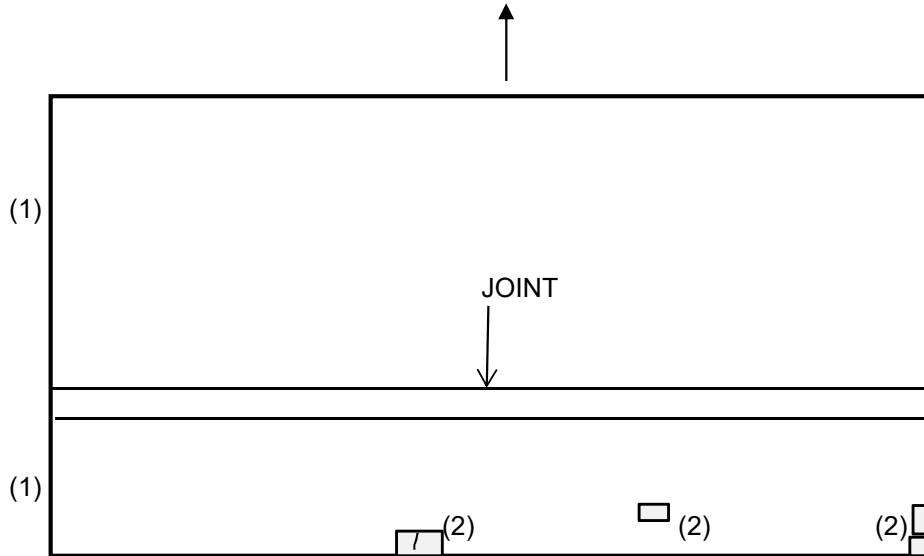
The thin epoxy overlay wearing surface is good. Bottom deck panels is fair with numerous transverse hairline cracks, and epoxy repaired areas. Expansion joints are poor due to heavy debris accumulation. Box girders, cross girders, and diaphragms are fair with repairs made in 2017. Bearing devices at abutments are fair with moderate rust and corrosion. Bearings at abutment #1 have shifted backstation 2"-3", and bearings at abutment #2 have shifted backstation up to 1". Paint is poor with moderate fading, flaking, and areas of active corrosion.

Abutment caps and backwalls are fair with hairline map cracks. The pier columns and single pin bearings are good.

Approach 'A'

Date 2/12/2018
JB

Bridge Location No. 19 I-440 4.85 RT.
County Route Log Mile

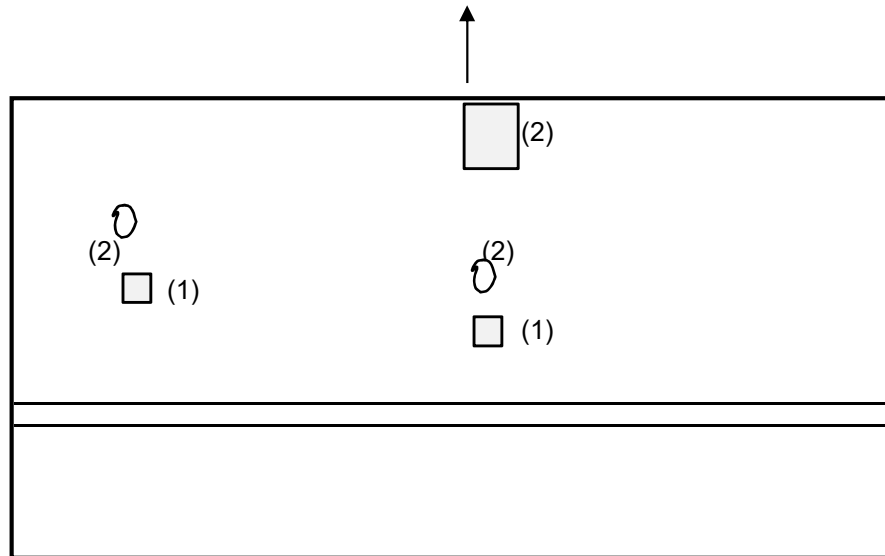


SLAB	GOOD	
JOINTS	GOOD	
PAVEMENT	FAIR	CONCRETE- (2) A/C PATCHES UP TO 3'L X 1.5'W W/BROKEN CONCRETE AROUND PATCHES
EMBANK	GOOD	
DRAINS	GOOD	
G-RAIL	GOOD	(1) LIGHT COLLISION DAMAGE

Approach 'B'

Date 2/12/2018
JB

Bridge Location No. 19 I-440 4.85 RT.
County Route Log Mile

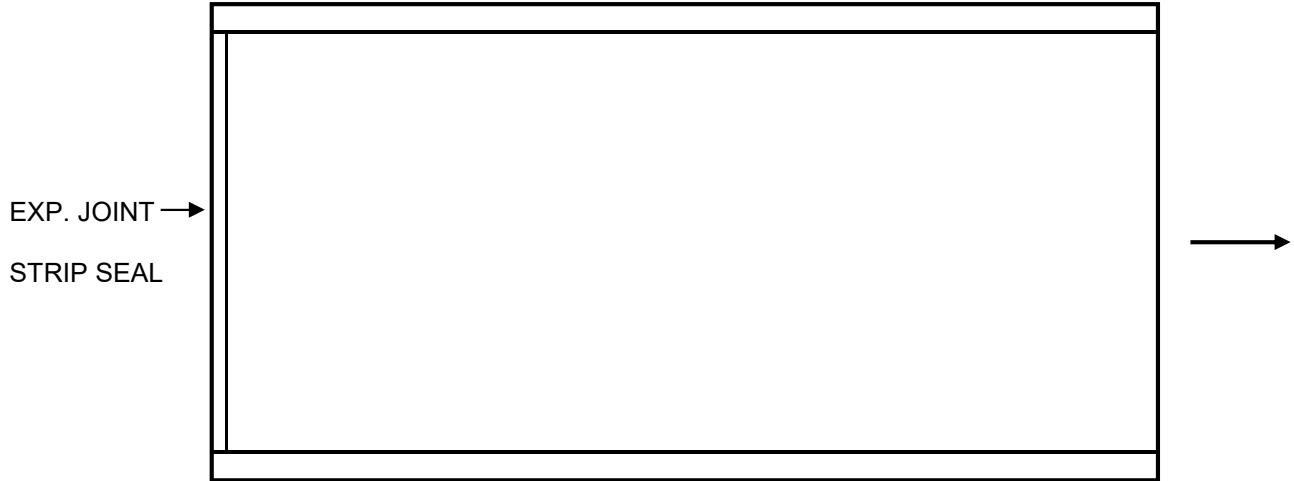


SLAB	GOOD	
JOINTS	FAIR	MISSING FILLER 10%
PAVEMENT	POOR	CONCRETE, (1) A/C PATCHES UP TO 6'L X 4'W, (2) POTHOLES UP TO 2'L X 1'W X 5"DP
EMBANK	GOOD	
DRAINS	GOOD	
G-RAIL	FAIR	MOD. RUST/CORROSION

Top of Deck Span No. 1

Date 2/12/2018
JB

Bridge Location No. 19 I-440 4.85 RT.
County Route Log Mile

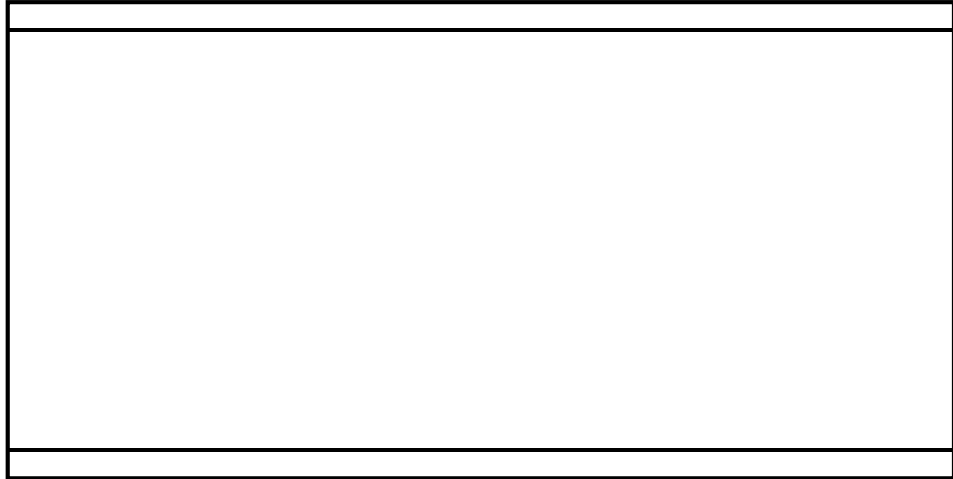


DECK	GOOD	NEW THIN EPOXY OVERLAY (TYP)
PARAPET	GOOD	RANDOM VERT. H.C.'S W/EFF., NEW TEXTURE COAT 2017
JOINT	FAIR	LGH. DEBRIS BLD-UP

Top of Deck Span No. 2

Date 2/12/2018
JB

Bridge Location No. 19 I-440 4.85 RT.
County Route Log Mile

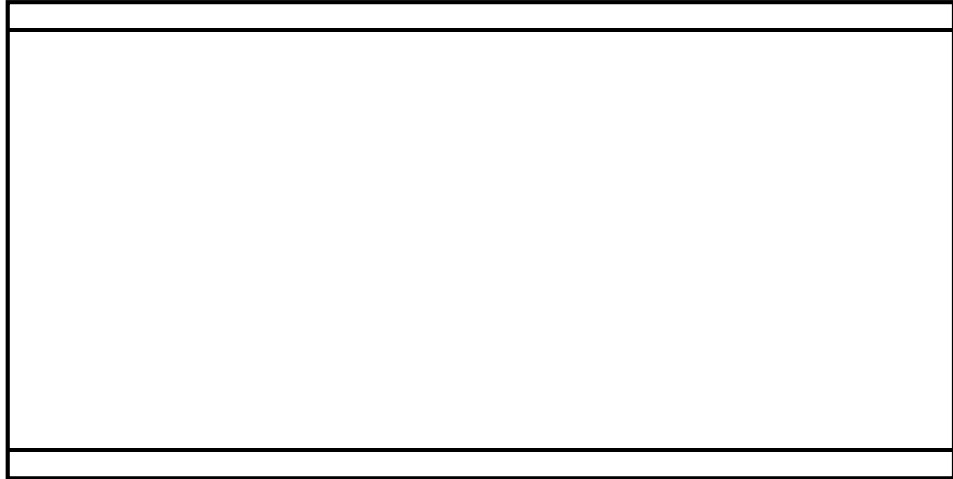


DECK	GOOD	NEW THIN EPOXY OVERLAY
PARAPET	GOOD	VERT. H.C.'S, NEW TEXTURE COAT

Top of Deck Span No. 3

Date 2/12/2018
JB

Bridge Location No. 19 I-440 4.85 RT.
County Route Log Mile

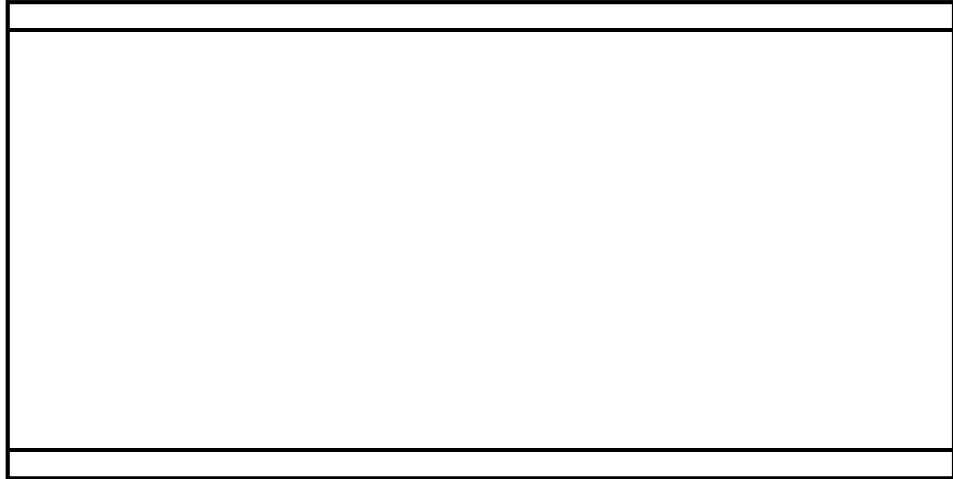


DECK	GOOD	THIN EPOXY OVERLAY
PARAPET	GOOD	VERT. H.C.'S, NEW TEXTURE COAT

Top of Deck Span No. 4

Date 2/12/2018
JB

Bridge Location No. 19 I-440 4.85 RT.
County Route Log Mile

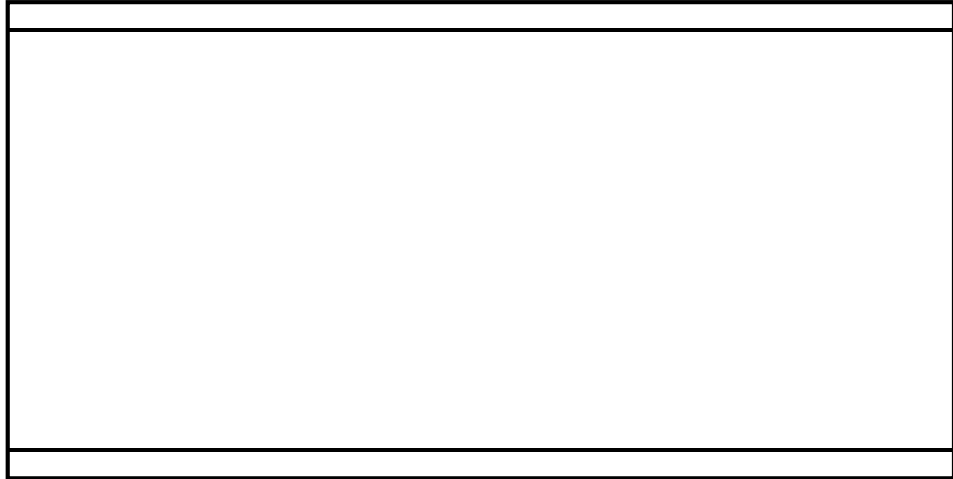


DECK	GOOD	THIN EPOXY OVERLAY
PARAPET	GOOD	VERT. H.C.'S-NEW TEXTURE COAT

Top of Deck Span No. 5

Date 2/12/2018
JB

Bridge Location No. 19 I-440 4.85 RT.
County Route Log Mile

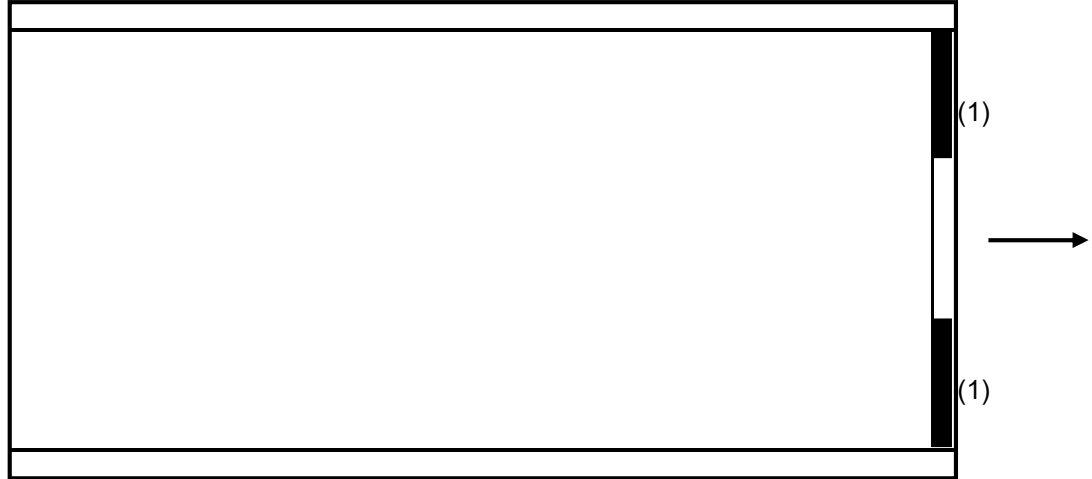


DECK	GOOD	THIN EPOXY OVERLAY
PARAPET	GOOD	VERT. H.C.'S

Top of Deck Span No. 6

Date 2/12/2018
JB

Bridge Location No. 19 I-440 4.85 RT.
County Route Log Mile

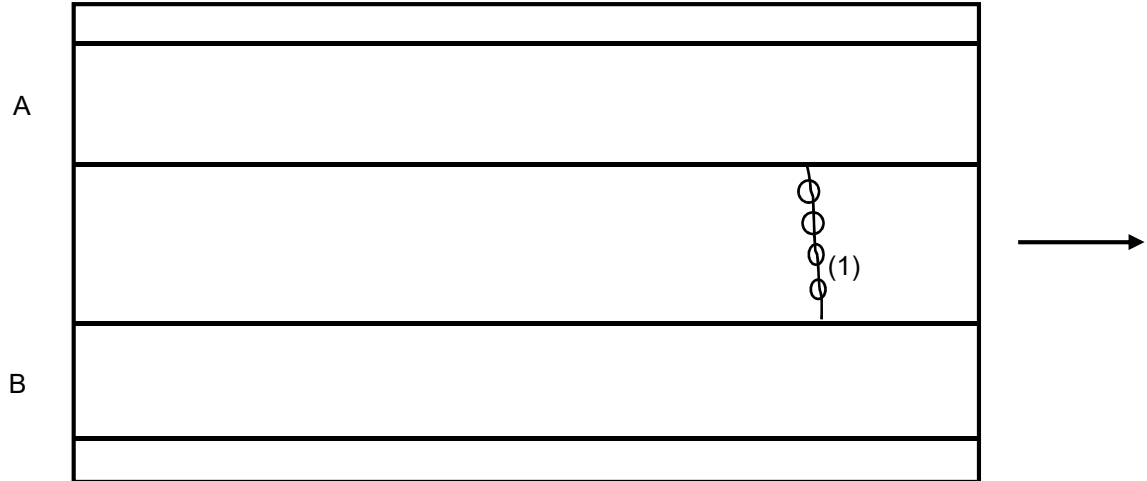


DECK	GOOD	NEW EPOXY OVERLAY
PARAPET	GOOD	VERT. H.C.'S
JOINT	FAIR	(1) DEBRIS BLD-UP 45%

Bottom of Slab Span No. 1

Date 2/12/2018
MA

Bridge Location No. 19 I440 4.85 RT.
County Route Log Mile

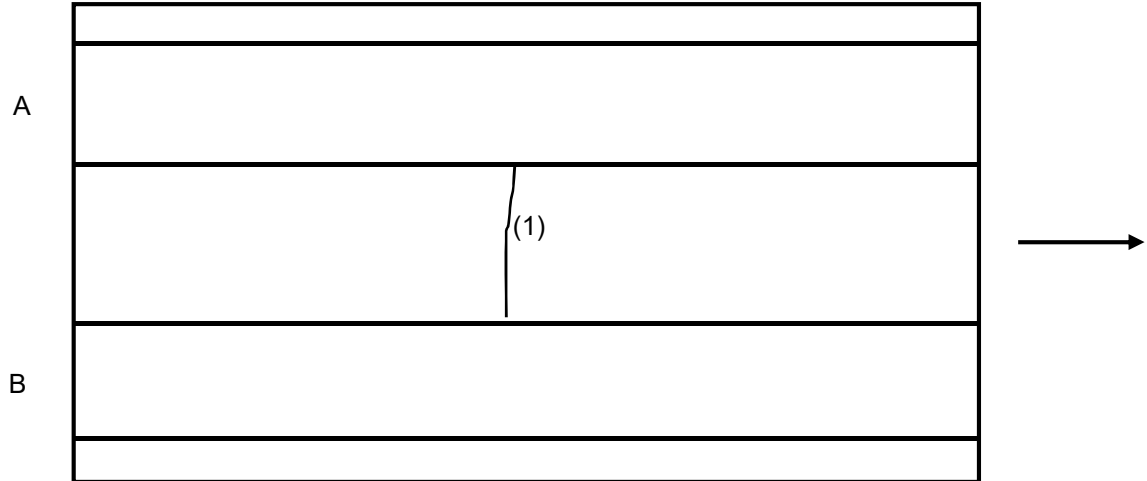


DECK	FAIR	HONEYCOMB AREAS TYP. ALL SPANS, (1) SPALLS UP TO 1'0 X 1/2" DP &
		H.L. TRANSV CRACKS
DIAPH.	GOOD	REPAIRED 2017
TUBS	GOOD	REPAIRED 2017
PAINT	POOR	HVY PAINT FADING & HVY. CHALKING (ALL SPANS)
OVER-HANGS	GOOD	H.L. CRACKS W/ EFF. TYP. ALL SPANS

Bottom of Slab Span No. 2

Date 2/12/2018
MA

Bridge Location No. 19 I440 4.85 RT.
County Route Log Mile

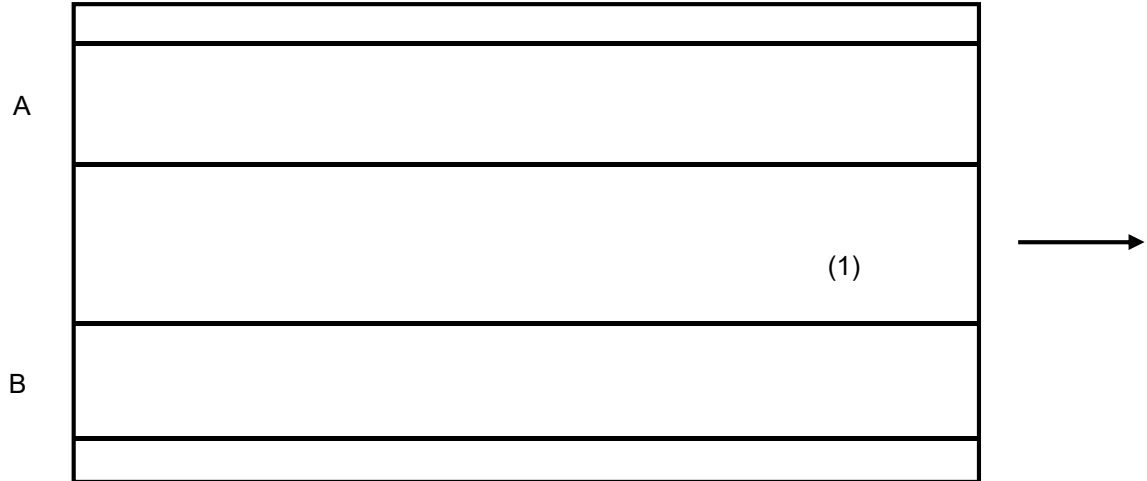


DECK	GOOD	(1) H.L. TRANSV CRACK PANEL 8, TUB 'B' PANEL #18 TRANSV H.C.
DIAPH.	GOOD	REPAIRED 2017, TUB 'B' DIAPH #6-2 MISSING BOLTS & NUTS
TUBS	GOOD	REPAIRED 2017
PAINT	POOR	HVY PAINT FADING & HVY. CHALKING (ALL SPANS)
OVER- HANGS	GOOD	

Bottom of Slab Span No. 3

Date 2/12/2018
MA

Bridge Location No. 19 I440 4.85 RT.
County Route Log Mile

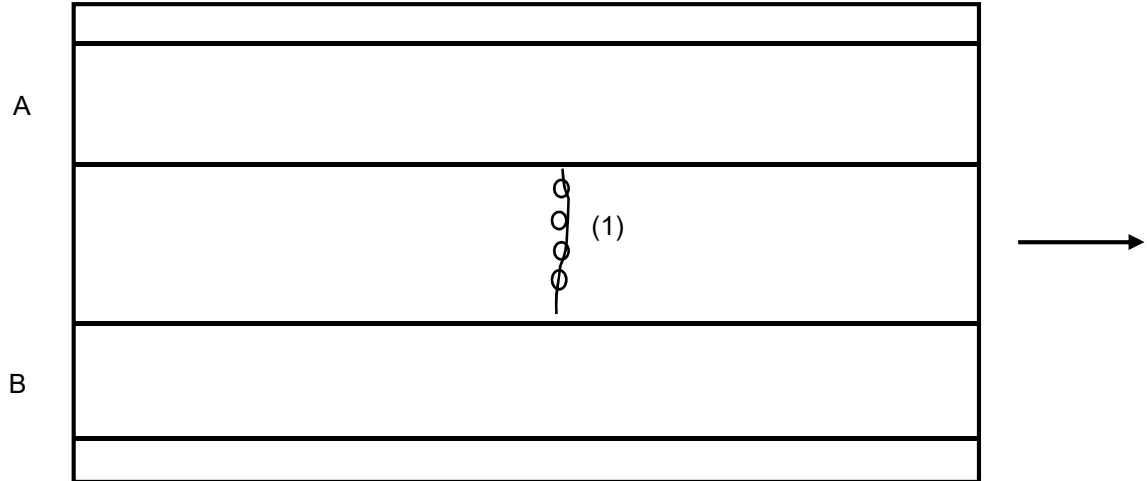


DECK	GOOD	HONEYCOMB AREAS, RANDOM TRANSV. H.L. CRACKS IN DECK PANEL, (1) PANELS SHOW STAINS NEAR BENT #3, TUB 'B' DECK PANEL BTWN 7 & 8
		SPALL, TUB 'B' DECK PANEL BTWN DIAPH 11 & 12-SPALL, TUB 'B' DIAPH 14-SPALL W/EXP. STL.
DIAPH.	FAIR	REPAIRS 2017, TUB 'B' DIAPH #1 & #2-MISSIG BOLTS AND NUTS, TUB 'B' DIAPH. #10-MISSIG BOLT
TUBS	FAIR	PAINT PEELING, HVY PAINT FADING BM'S HAVE FATIGUE CRACKS AT DIAPH. CONN. SEE LIST FOR DETAILS, BM 'B' SURFACE CORROSION INSIDE ALONG BOTTOM BM 'B' CRACK @ DIAPH 26 0.010" X 2 3/8" L AT CONNECTION TO TOP FLNG.
"B"		MOD CORR ON STIFFNER @ FLOOR BTWN DIAPH 29 & 30
OVER- HANGS	GOOD	

Bottom of Slab Span No. 4

Date 2/12/2018
MA

Bridge Location No. 19 I440 4.85 RT.
County Route Log Mile

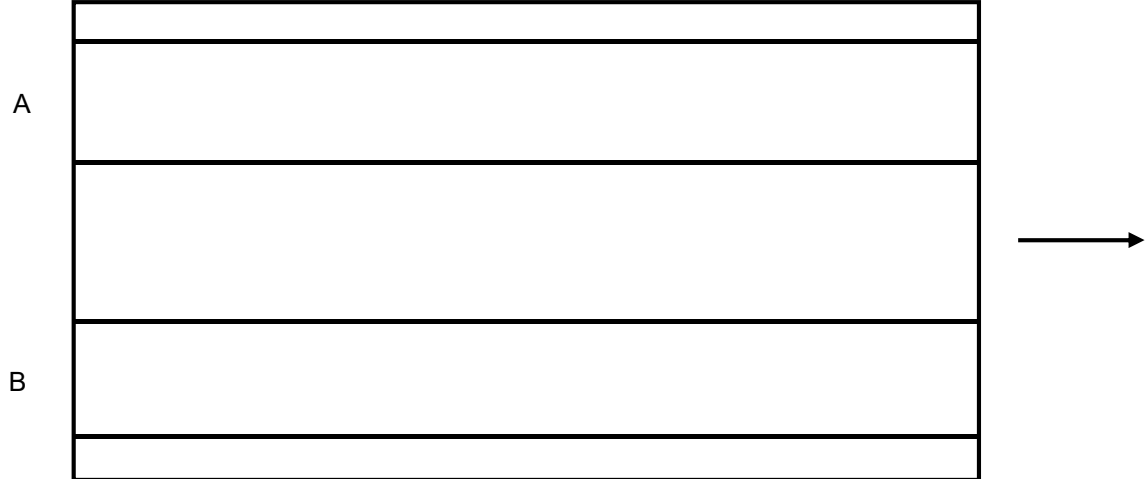


DECK	FAIR	(1) PANEL #8 HAS H.L. & TRANSV CRACK & LGT SPALLS 6" X 1/2" DP, TUB 'B' DECK PANEL BTWN DIAPH #8 & #9-SPALLS
DIAPH.	FAIR	REPAIRS 2017, TUB 'B' DIAPH'S #6,#7, #8, #9 - MISSING NUT & BOLTS
TUBS	FAIR	REPAIRED 2017
OVER- HANGS	GOOD	

Bottom of Slab Span No. 5

Date 2/12/2018
MA

Bridge Location No. 19 I440 4.85 RT.
County Route Log Mile

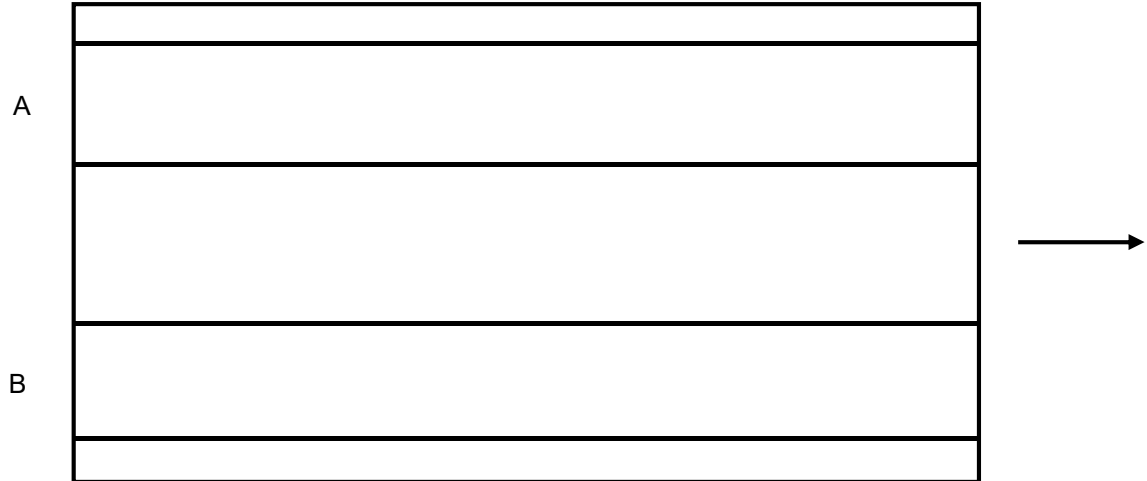


DECK	GOOD	H.L. TRANS CRACK @ PANEL 5
DIAPH.	FAIR	REPAIRS 2017
TUBS	FAIR	REPAIRS 2017
OVER-	GOOD	
HANGS		

Bottom of Slab Span No. 6

Date 2/12/2018
MA

Bridge Location No. 19 I440 4.85 RT.
County Route Log Mile

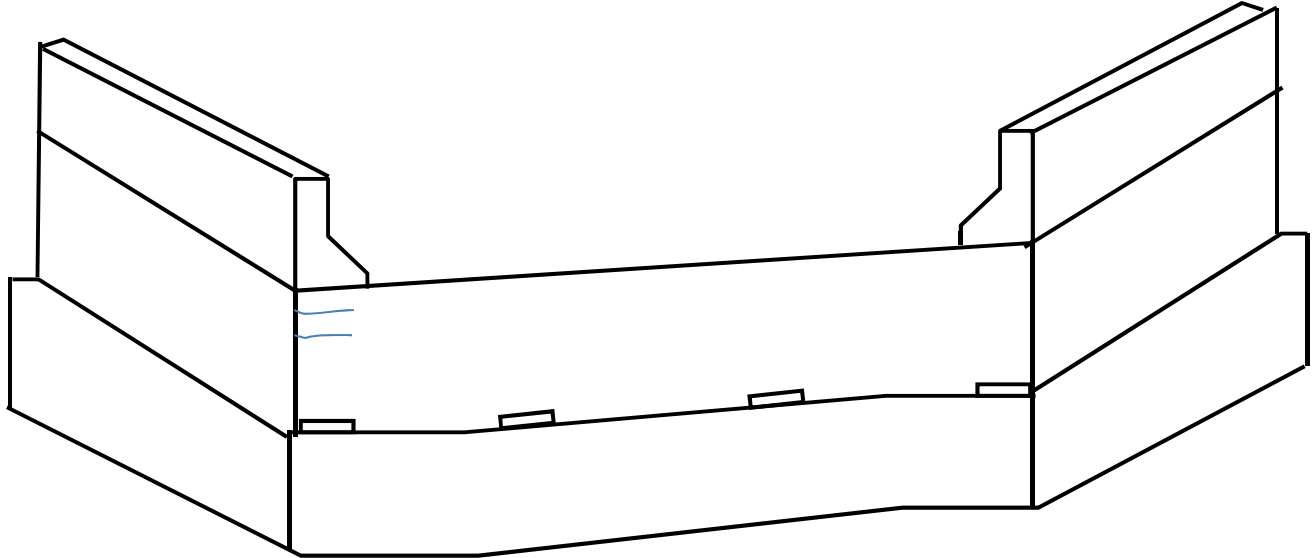


DECK	GOOD	H.L. TRANS CRACK @ PANEL 5
DIAPH.	FAIR	REPAIRS 2017, TUB 'B' DIAPH #3-MISSING BOLT & NUT
TUBS	FAIR	
OVER- HANGS	GOOD	
PAINT	POOR	HVY FADING, CHAULKING, & FLAKING

Abutment No. 1

Date 2/12/2018
MA

Bridge Location No. 19 I440 4.85 RT.
County Route Log Mile

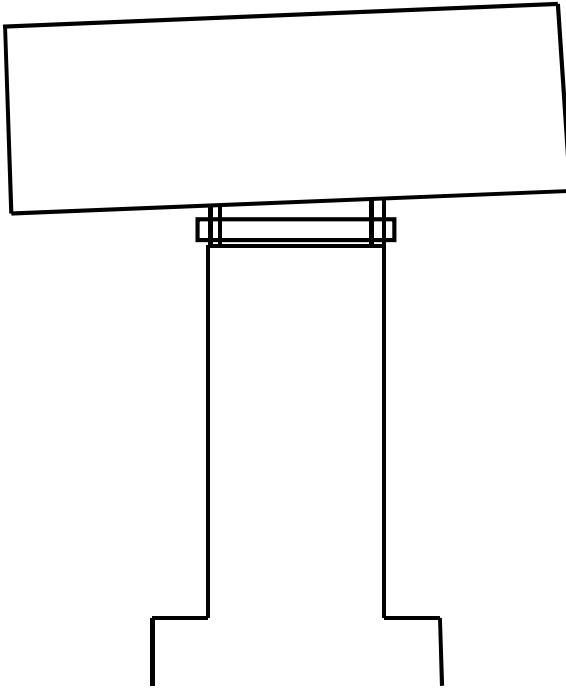


BACKWALL	FAIR	PATTERN & MAP CRACKS
CAP	FAIR	H.L. MAP & VERT. CRACKS
WINGS	GOOD	H.L. MAP CRACKS
RISERS	GOOD	
BEARINGS	FAIR	MOD RUST & CORR. LGT PACK RUST
A' - 'B'		SHIFTED BACKSTATION 2"
"C" & "D"		SHIFTED BACKSTATION 3"

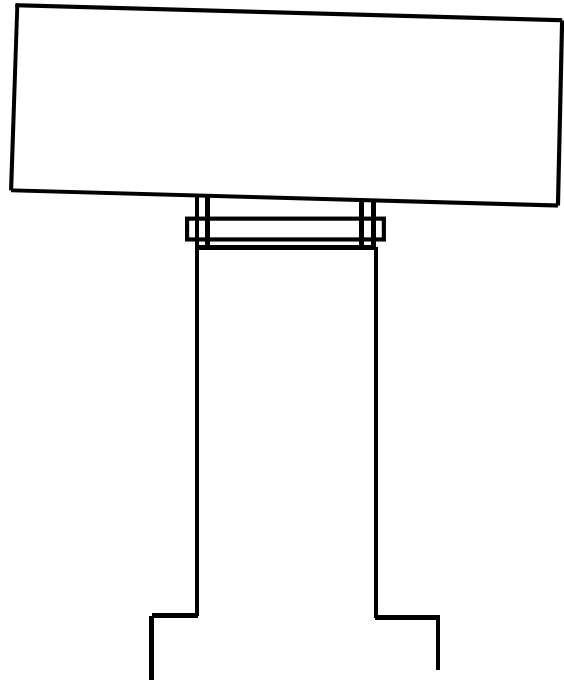
PIER # 1

Date 2/12/2018
MA

Bridge Location No. 19 I440 4.85 RT.
County Route Log Mile



FRONT



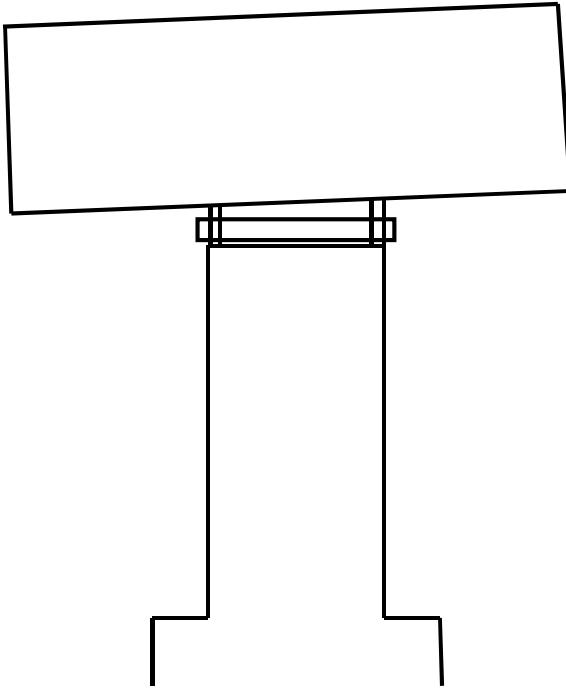
BACK

CAP	GOOD	
COLUMN	GOOD	LGH. CORR.
PIN	GOOD	LGH. CORR
FOOTING	GOOD	RANDOM VERT. CRACKS 1/16" OPEN, SPALL 8" DIA.

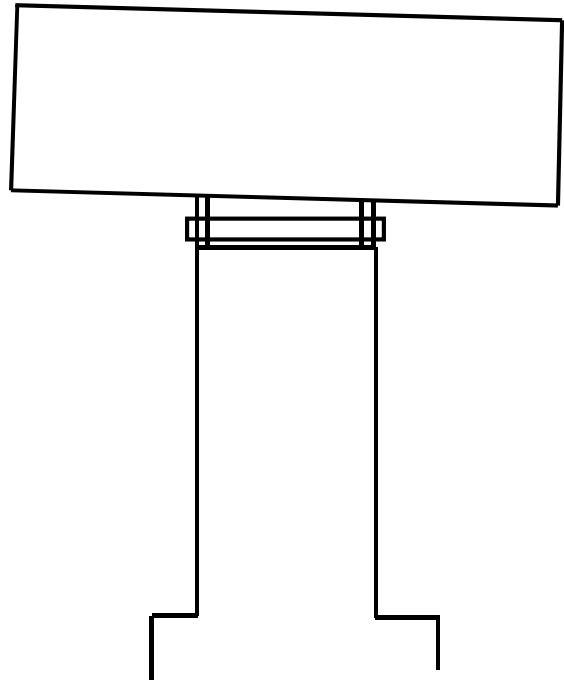
PIER # 2

Date 2/12/2018
MA

Bridge Location No. 19 I440 4.85 RT.
County Route Log Mile



FRONT



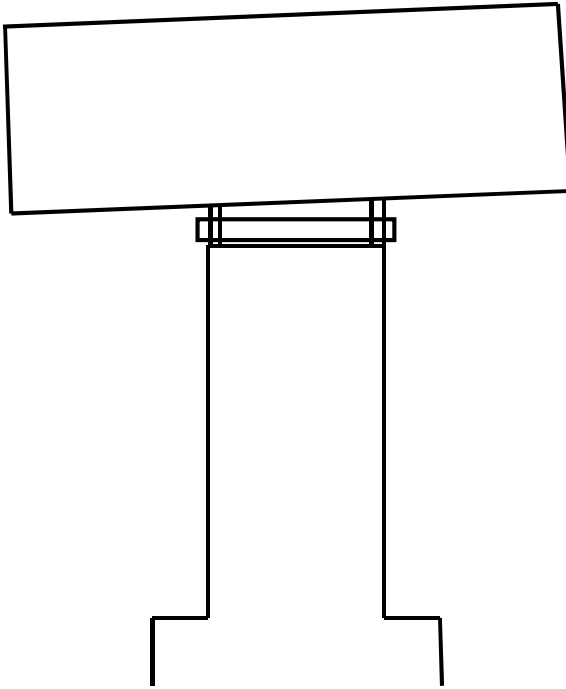
BACK

CAP	GOOD	
COLUMN	GOOD	LGH. CORR.
PIN	GOOD	LGH. CORR.
FOOTING	NV	

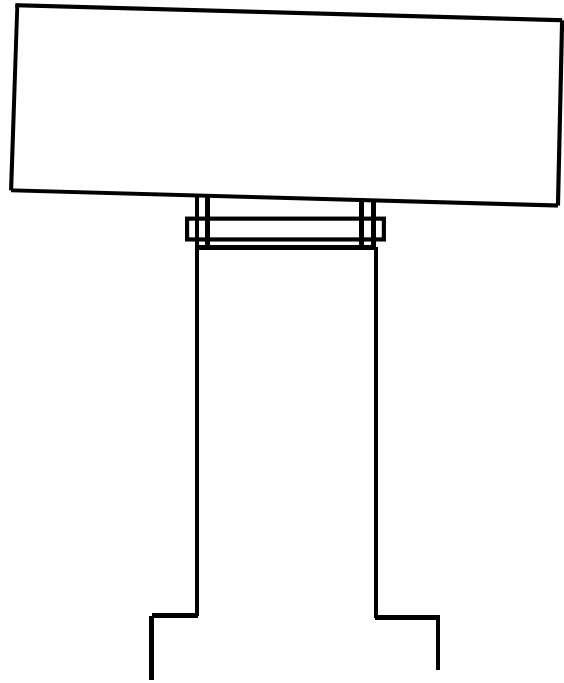
PIER # 3

Date 2/12/2018
MA

Bridge Location No. 19 I440 4.85 RT.
County Route Log Mile



FRONT



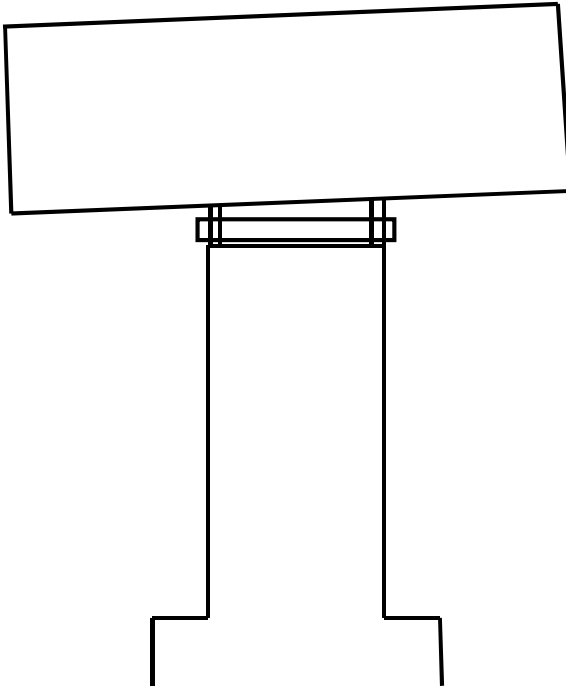
BACK

CAP	GOOD	
COLUMN	GOOD	
PIN	GOOD	
FOOTING	GOOD	RANDOM VERT. HAIR CRACKS

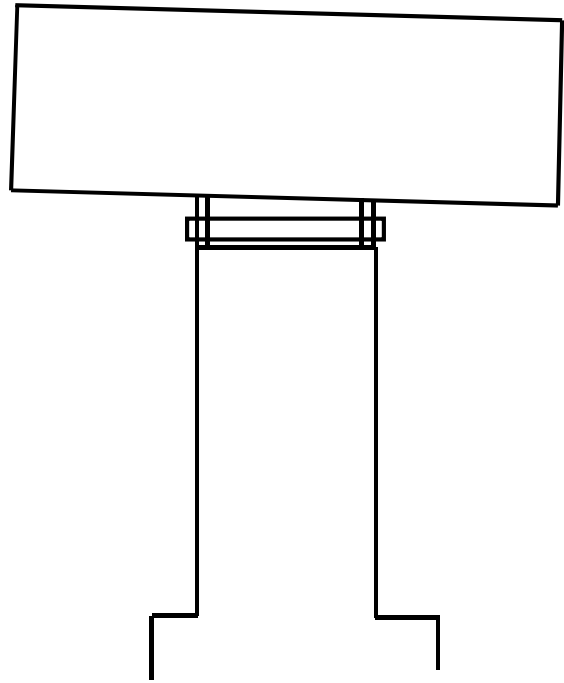
PIER # 4

Date 2/12/2018
MA

Bridge Location No. 19 I440 4.85 RT.
County Route Log Mile



FRONT



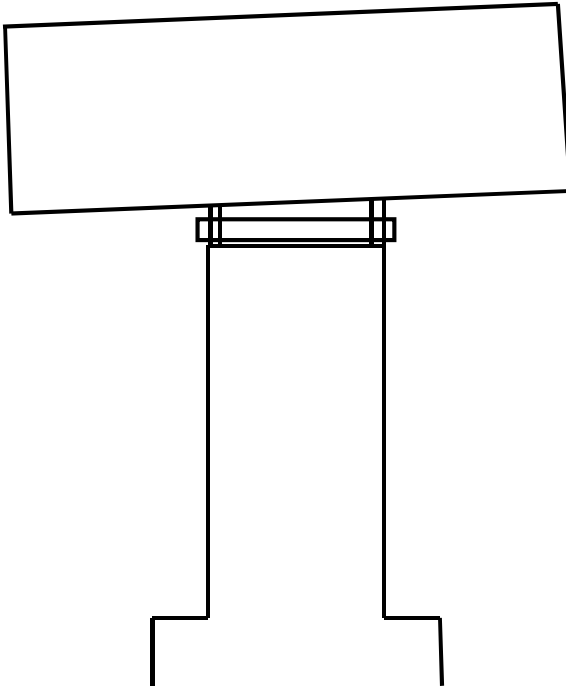
BACK

CAP	GOOD	
COLUMN	GOOD	
PIN	GOOD	
FOOTING	GOOD	RANDOM VERT. HAIR CRACKS

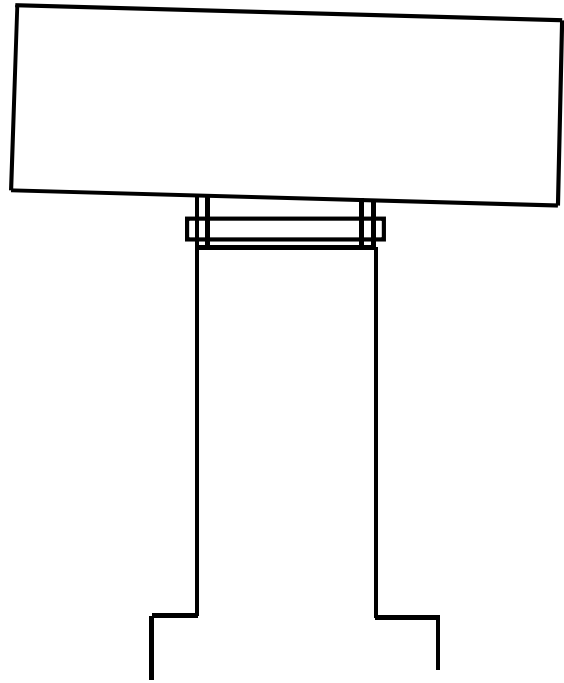
PIER # 5

Date 2/12/2018
MA

Bridge Location No. 19 I440 4.85 RT.
County Route Log Mile



FRONT



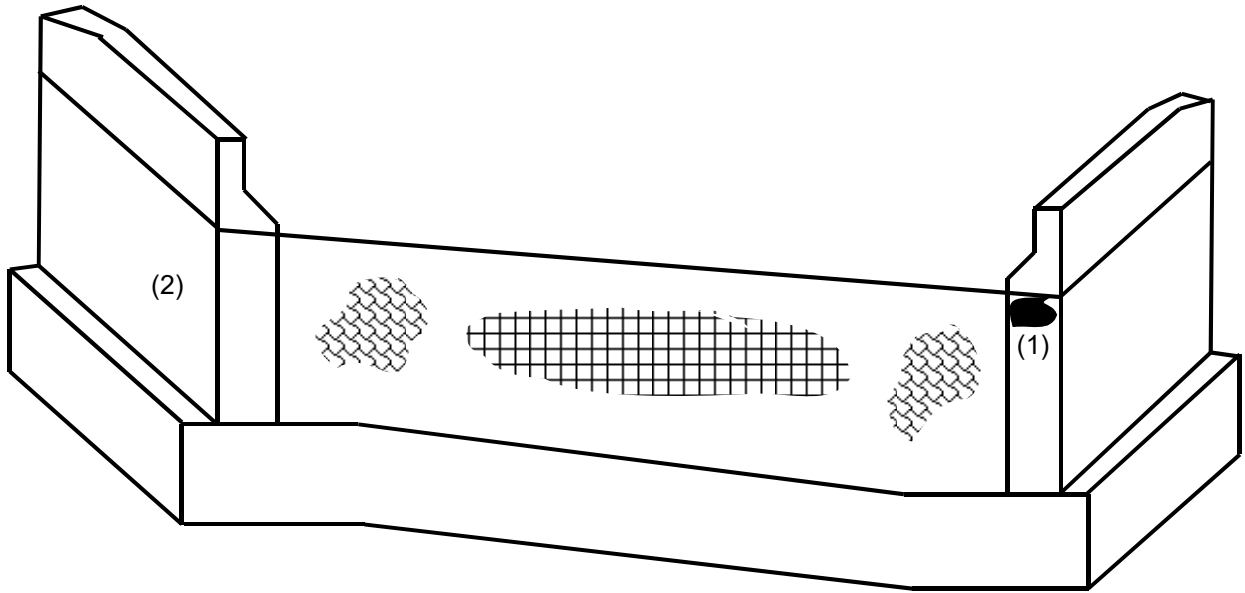
BACK

CAP	GOOD	
COLUMN	GOOD	
PIN	GOOD	
FOOTING	GOOD	RANDOM VERT. HAIR CRACKS

Abutment No. 2

Date 2/12/2018
MA

Bridge Location No. 19 I440 4.85 RT.
County Route Log Mile



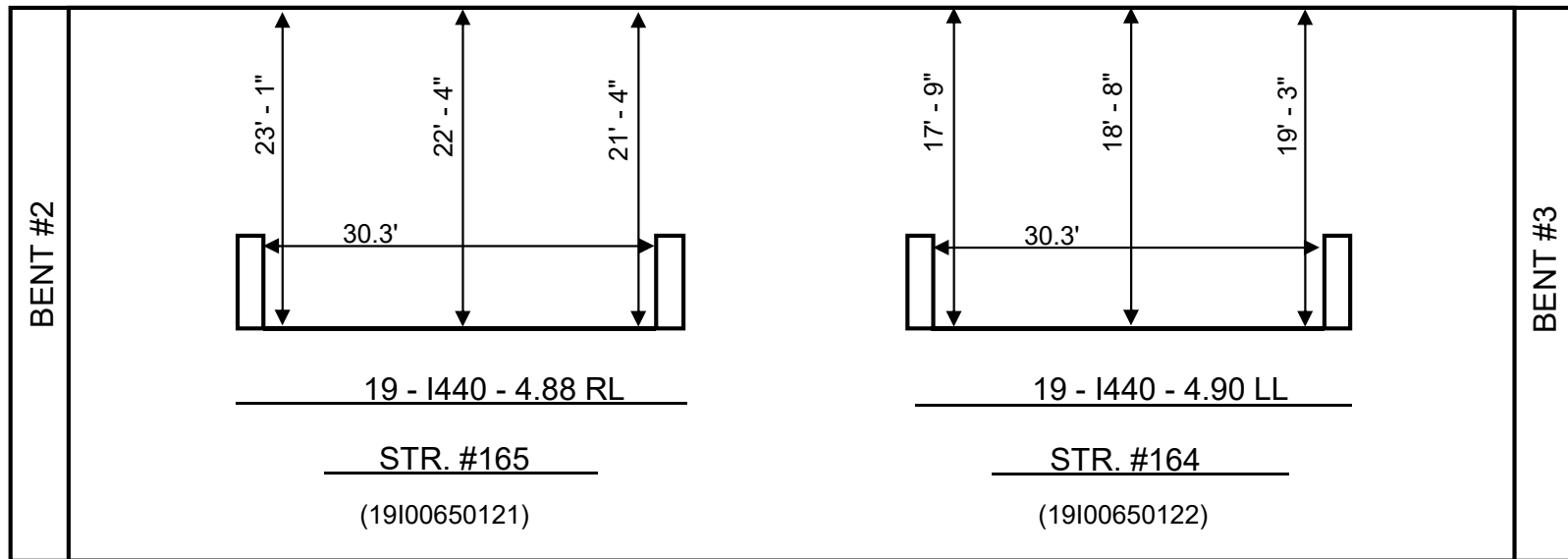
BACKWALL	FAIR	NUMEROUS PATTERN & MAP CRACKS UPTO .010" OPEN
CAP	GOOD	VERT. CRACK UP TO 1/16" OPEN
WINGS	GOOD	(1) SPALL 1.5' DIA. X 1"DP
		(2) MAP CRACKING
RISERS	GOOD	
BEARINGS	FAIR	LIGHT RUST & CORR., ALL BEARINGS SHIFTED BACKSTATION 1"
SLP. PAVMNT	GOOD	UP TO 8" SETTLEMENT @ CAP FULL LENGTH

CLEARANCE SKETCH

Date 2/12/2018

Bridge Location No. 19 I440 4.85 RT
County Route Log Mile

19 - I440 - 4.85 RT
STR. #167



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