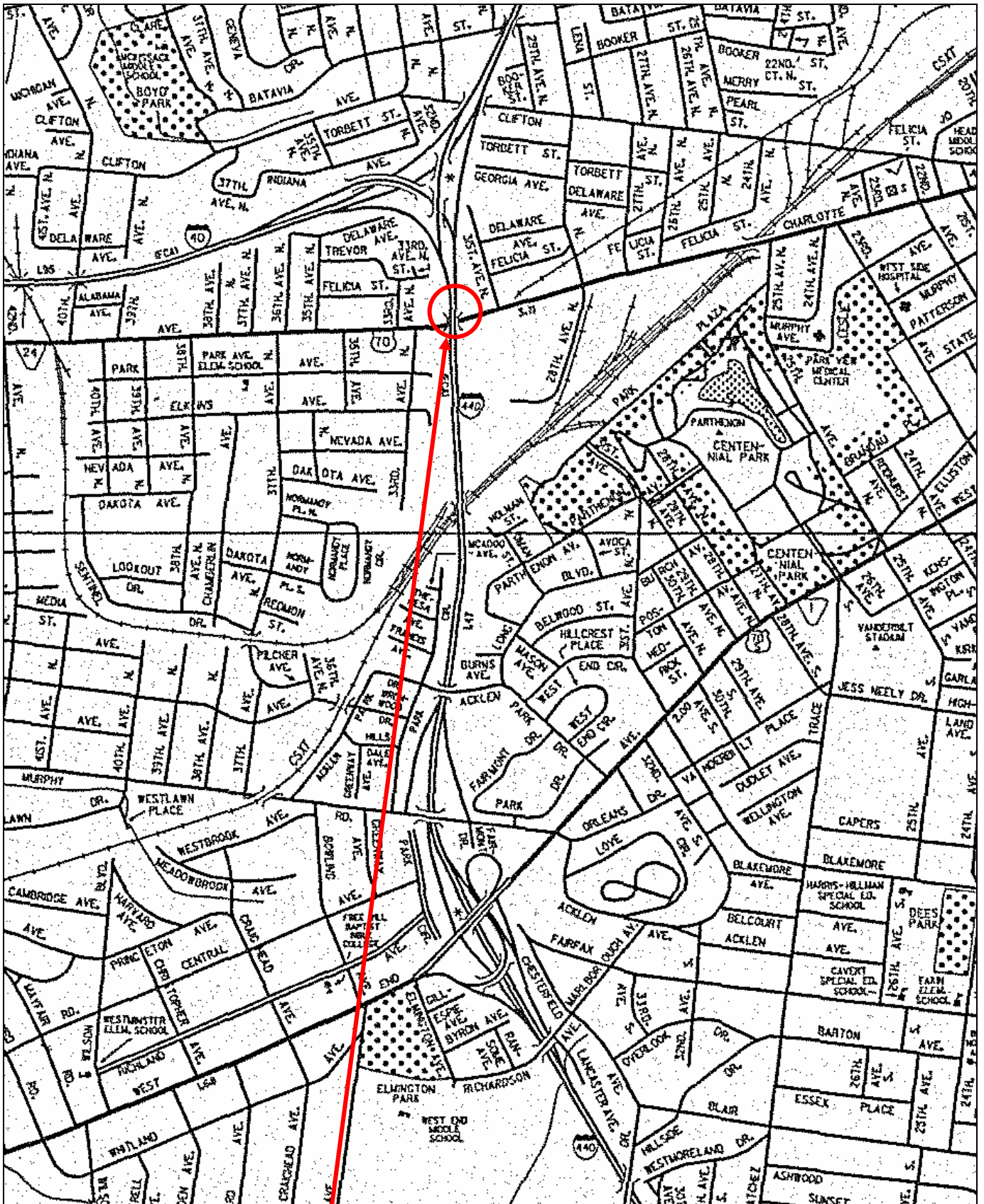


DAVIDSON COUNTY



19I0440001
19-I0440-0.36 RT
1440 RL/CHARLOTTE AVE

PRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public
document records request does not
waive the provisions of §409

BRIDGE MAINTENANCE RECOMMENDATIONS



Tennessee Department of Transportation

COUNTY: DAVIDSON
 LOCATION: 19-I0440-00.36-R
 CO. SEQ.: 1 SPEC. CASE: 0
 MILEPOST: 0.27

CROSSING: I440-RL / CHARLOTTE AVE.
 FED. BRIDGE NO.: 19I04400001
 MAINT. DIST.: 19

REPAIR LIST NO.: 3
 DATE ADDED: 06/16/1997
 REVISED: 09/19/2009

FACILITY CARRIED:	I440	NUMBER OF MAIN SPANS:	3
HIGHWAY SYSTEM:	02-INTERSTATE URBAN	NUMBER OF APPROACH SPANS:	0
BRIDGE WIDTH (CURB TO CURB):	54 FT 1 IN	BRIDGE LENGTH (FT):	200
BRIDGE WIDTH (OUT TO OUT):	56 FT 1 IN	MAXIMUM SPAN LENGTH (FT):	105
APPROACH ROADWAY (W/SHOULDERS):	54 FT 1 IN	SKEW ANGLE (DEGREES):	75
MAINTAINED BY:	STATE HIGHWAY AGENCY		
MAIN SPAN MATERIAL:	CONCRETE CONTINUOUS		
MAIN SPAN DESIGN TYPE:	FRAME (EXCEPT FRAME CULVERTS)		
APPROACH SPAN MATERIAL:	OTHER OR NOT APPLICABLE		
APPROACH SPAN DESIGN TYPE:	OTHER OR NOT APPLICABLE		
INSPECTION DATE:	02/22/2016	GENERAL CONDITION:	FAIR
EVALUATION DATE:	05/08/2014	STRUCTURALLY DEFICIENT:	NO
PPRM PIN NUMBER:		SUFFICIENCY RATING:	83.0
H TRUCK RATING @ INV.:	20 TONS		

No.	RECOMMENDATIONS	REPAIR DATE	REPAIRED BY
1.	REPAIR APPROACH ROADWAY 'A' AND 'B' ENDS		
2.	REPAIR FILLER MATERIAL JOINTS 'A' AND 'B' ENDS		

SUGGESTED ROUTINE MAINTENANCE AND COMMENTS
REPAIR BRIDGE RAIL SPAN #3 LEFT
SEAL CONCRETE WEARING SURFACE
SEAL APPROACH SLABS

GENERAL COMMENTS:
 REPAIRED BREAKOUTS IN APPROACH SLAB "A" & "B" 16' X 2' X 3" USED THERMACRETE MATERIALS 09/19/2009 M.H. * PATCHED HOLES IN BRIDGE DECK BOTH RIGHT LANES LOWER END OF BRIDGE USED THERMACRETE MATERIALS .. 03/18/2010 D.B.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

Bridge Condition Coding Form

Revised 02/22/2016

Bridge Number: 19I044000011
(Includes Item 5A)

Feature Intersected: I440-RL / CHARLOTTE AVE.

Evaluation Status: CONDITION ITEM CHANGE

County: 19

Route: I0440

Special Case: 0

County Sequence: 1

Log Mile: 0.36

CODE ONLY THOSE VALUES WHICH HAVE CHANGED

ITEM #	DESCRIPTION	VALUE	CONDITION CODING GUIDELINES
90	LAST INSPECTION DATE	02/22/2016	(Values for Coding Items 58, 59, 60 and 62)
	EARLIEST DATE OF NEXT REGULAR INSPECTION	12/23/2017	
		<u> / /</u>	
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	99 FT. 99 IN.	N NOT APPLICABLE 9 EXCELLENT CONDITION 8 VERY GOOD CONDITION - NO PROBLEMS NOTED.
		<u> FT. IN.</u>	
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.
		<u> FT. IN.</u>	
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 0 55	
41	STRC OPEN/CLOSED/POSTED	A	4 POOR CONDITION - ADVANCED SECTION LOSS, DETERIORATION, SPALLING OR SCOUR.
	A K P	<u> </u>	
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	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.
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	8	0 FAILED CONDITION - OUT OF SERVICE AND BEYOND CORRECTIVE ACTION.
521	OVERALL CONDITION	FAIR	
16	LATITUDE	17 LONGITUDE	
	N 36° 9.1960'	W 86° 49.3740'	
	<u> </u>	<u> </u>	
	<u> / /</u>		

TEAM LEADER SIGNATURE

REVIEW DATE

PRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public
document records request does not
waive the provisions of §409

Photographs

Bridge ID#: 19I04400001

Date: 02/22/2016



APPROACH "B"



VIEW ACROSS TOP OF WEARING SURFACE

PRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public
document records request does not
waive the provisions of §409

Photographs

Bridge ID#: 19I04400001

Date: 02/22/2016



APPR. "B" END JOINT W/ PATCHES



BENT #2 - FRONT VIEW

PRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public
document records request does not
waive the provisions of §409

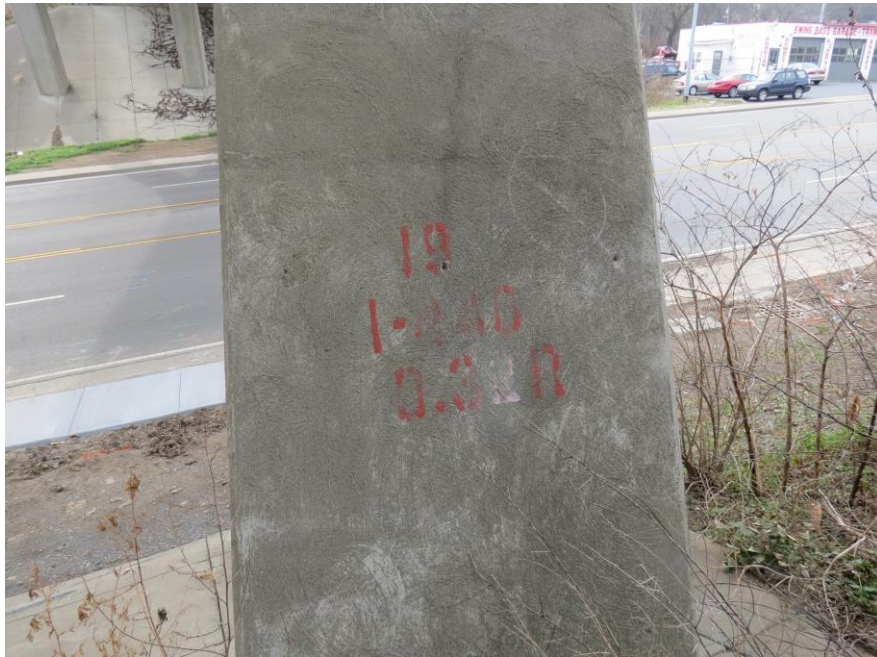
Photographs

Bridge ID#: 19I04400001

Date: 02/22/2016



ABUTMENT #1



BRIDGE NO.

PRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public
document records request does not
waive the provisions of §409

Photographs

Bridge ID#: 19I04400001

Date: 02/22/2016



BTM DECK VIEW SP. #2



LT. WING / RETAINING WALL AT ABUT. #2 W/ TILT

PRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public
document records request does not
waive the provisions of §409

Photographs

Bridge ID#: 19I04400001

Date: 02/22/2016



BRIDGE RAIL "B" END LT. W/ IMPACT DAMAGE



DECK PANEL BAY "B" SP. #3 W/ TRANSV. CRACK

PRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public
document records request does not
waive the provisions of §409

Photographs

Bridge ID#: 19I04400001

Date: 02/22/2016



DECK PANEL BAY "C" SP. #3 W/ TRANSV. CRACK



DECK PANEL BAY "A" SP. #3 W/ TRANSV. CRACK

PRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public
document records request does not
waive the provisions of §409

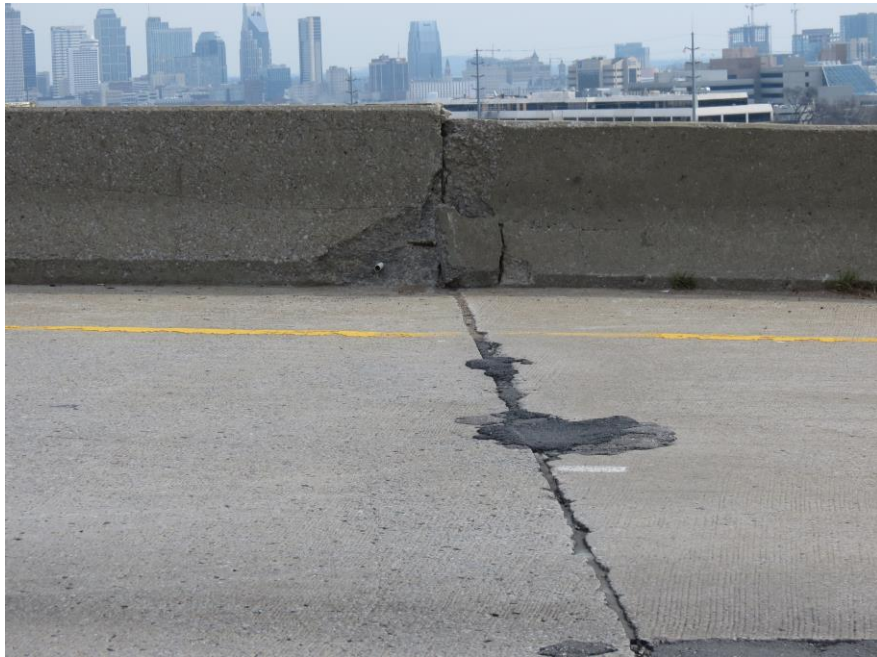
Photographs

Bridge ID#: 19I04400001

Date: 02/22/2016



BRIDGE PARAPET "B" END RT. MISALIGNED



BRIDGE PARAPET "B" END LT. IMPACT DAMAGE

PRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public
document records request does not
waive the provisions of §409

Photographs

Bridge ID#: 19I04400001

Date: 02/22/2016



WEARING SURFACE SP. #3 W/ PATCH



PARAPET RT. W/ I.P.B.O UNDER POLE ID # HM02

PRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public
document records request does not
waive the provisions of §409

Photographs

Bridge ID#: 19I04400001

Date: 02/22/2016



LIGHT POLE ID# HM02

PRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public
document records request does not
waive the provisions of §409

BRIDGE INSPECTION REPORT

Page No. _____

Form BIR 3.0
(Rev. 9-22-98)
DT-0069Field Report No. 20 Date 2/22/2016
Previous Report No. 19 Date 2/24/2014
Plans: DESIGNBridge No. 19I04400001
Eleven Digit No.Bridge Location No. 19 - I0440 - 0.36 R
Co. Route Log MileI440-RL over CHARLOTTE AVE.*
Road Name Crossing Structure Name (If Named)
Year Constructed 1985 ACT County Davidson Maintenance District 37
Year Widened _____ Year Rehabilitated _____

FEATURES

Wearing Surface CONCRETE Depth _____ (in.)
Flared Width _____ Median Width NONE
Navigational Control _____ Bridge Skew 75° RT
Structure Type (Main Span) HBB
Structure Type (Appr.Spans) _____
No. Main Spans 3 No. Approach Spans _____
Maximum Span Length 105 (**.* ft.)
Total Length 200 (**.* ft.)

INSPECTORS

1. BILLINGSLEY TL
2. VOGEL
3. BROWN
4. LOVE
5. _____
6. _____
7. _____
8. _____

WIDTHS (*.* ft.)

Deck Out-to-Out 56.0
Roadway Curb/Curb _____
Roadway Rail/Rail 54.0
Sidewalk Rt. _____ Lt. _____
*Approach Roadway 36
*(Does Not Include Shoulders)
Approach Shoulder Rt. 12
Lt. 6

CLEARANCES

Min. Vertical Clearance over Deck _____ (ft.-in.)
Min. Vertical Under Clearance 32-8 (ft.-in.)
Min. Lateral Under Clearance Rt. 17 (*.* ft.)
Min. Lateral Under Clearance Lt. - (*.* ft.)FRACTURE CRITICAL: NO
(If Yes, Include BIR 3.9)

NBIS Bridge Length (<25 ft.) _____ > 25 _____ (ft.-in.)

UNDERWATER INSPECTION

To Be Performed By: NA Date _____Change in Structural Condition: YES Major Repairs Made: NO BRIDGE is: OPEN

COMMENTS:

ALL PRIMARY ELEMENTS ARE SOUND, BUT HAS MINOR CRACKING IN CONCRETE DECK.Supervising Bridge Inspector: GEREMY BILLINGSLEYBRIDGE RATING: GOODPRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public
document records request does not
waive the provisions of §409

PERFORMANCE EVALUATION

Time of Day Inspected 9:32 AM Weather Conditions CLDY 52
Vehicles Observed ALL

LIVE LOAD BEHAVIOR

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

APPROACH

	Rating	Comments
Alignment	GOOD	
Slab	FAIR	NUMEROUS TRANSVERSE & LONGIT. 1/16" CRACKS
Joints	POOR	ADHESION FAILURES & A/C PATCHES
Pavement	NA	
Embankment	FAIR	EROSION SLAB B END 3' x 3'
Drains	NA	

TRAFFIC SAFETY FEATURES

	Rating	Standard/ SubStandard	Comments
Bridgerailing	GOOD	STANDARD	NUMEROUS VERT. & LONGIT. CRACKS ALL SPANS
Transitions	GOOD	SUBSTANDARD	NO RUB RAIL-INCORRECT BLOCKOUTS
Guardrail	GOOD	SUBSTANDARD	INCORRECT BLOCKOUTS
Guardrail Terminal	GOOD	SUBSTANDARD	

SIGNING

	Yes/ No/ Needed
Paddleboards	NO
Vertical Clearance (<14'-6")	NO
Narrow Bridge Signs	NO
One Lane Bridge Signs	NO

Weight Limit Posted NO
Gross..... _____ Tons
2 Axle..... _____ Tons
3 or more Axles.. _____ Tons

Other Signs or Plaques:

Comments Regarding any
Problems with Signing:

DECK

	Rating	Comments
Wearing Surface	FAIR	CONC 1/8" OPEN TRANS & LONGIT CRACKS AND CONCRETE PATCHES, MOD SURFACE SCALE, AGG POPOUTS
Deck - Structural Condition	GOOD	RANDOM LGH TRANSV H.C.'S-SP #3
Curbs	NA	
Median	NA	
Sidewalks	NA	
Parapet	GOOD	LT VERT. & LONGIT CRACKS ALL SPANS
Railing	NA	
Paint	NA	
Drains	NA	
Lighting Standards	FAIR	MOD CORR @ BASE RT PARAPET
Utilities	NA	
Joint Leakage	GOOD	
Expansion Joints	FAIR	OPEN TYPE-LGT B.O.'S, MISSING FILLER

SUPERSTRUCTURE

Bearing Devices	NA	
Girders or Beams	GOOD	
Floor Beams	NA	
Stringers	NA	
Diaphragms	GOOD	LONGIT H.L. CRACKS
Bracing	NA	
Trusses - General	NA	
Portals	NA	
Bracing	NA	
Paint	NA	
Alignment of Members	GOOD	

TEXTURE COAT

Condition Rating NA Needs Spot Painting NO
 Overall Appearance _____ Needs Repainting NO
 Staining Rating _____
 Fading Rating _____
 Scaling Rating _____
 Comments _____

SUBSTRUCTURE

ABUTMENTS

	Rating	Comments
Caps	NA	
Breastwall	GOOD	<i>RANDOM VERT & DIAG CRACKS UP TO 1/16" OPEN</i>
Wings	FAIR	<i>RT. WING LT SIDE A ND 3" CREEP W/ 1/16" OPEN CRACK @ COLD JOINT</i>
Backwall	NV	
Plumb	GOOD	
Footing	NV	
Piles	NV	
Embankment	GOOD	
Bearing Surface	GOOD	
Slope Paving	GOOD	
Rip Rap	NA	

PIERS

Caps	NA	
Columns		
Plumb		
Footings		
Piles		
Bearing Surface		

BENTS

Caps	GOOD	<i>CAP BEAM- LONGIT. H.C.'S</i>
Columns	GOOD	
Plumb	GOOD	
Footings	NV	
Piles	NV	
Bearing Surface	GOOD	

Piles Need Replacement: NO

Piles To Be Replaced:

SUMMARY
19-I440-0.36RT
2/22/2016

I440/SR24-10.10
3 Span/P.P.C.B.B.

This bridge was inspected and found to be in **fair** condition. Approach alignment is good. Approach joints at “A” and “B” end are poor with heavy loss of filler and chipping. Approach slabs at “A” and “B” end is fair with failing repairs and 1/8” open cracks. Bridge railing is good and standard with longitudinal and vertical cracks. Approach rails are good but substandard.

The concrete wearing surface is fair with concrete patches 1/16-1/8” open transverse cracks, aggregate popouts, and light scale.

Beams and diaphragms are good.

Abutment wings are fair with 3” creep outward and 1/16” open crack at cold joint at both abutments. Abutment brestwalls are good with random vertical and diagonal hair cracks. Bents are good.

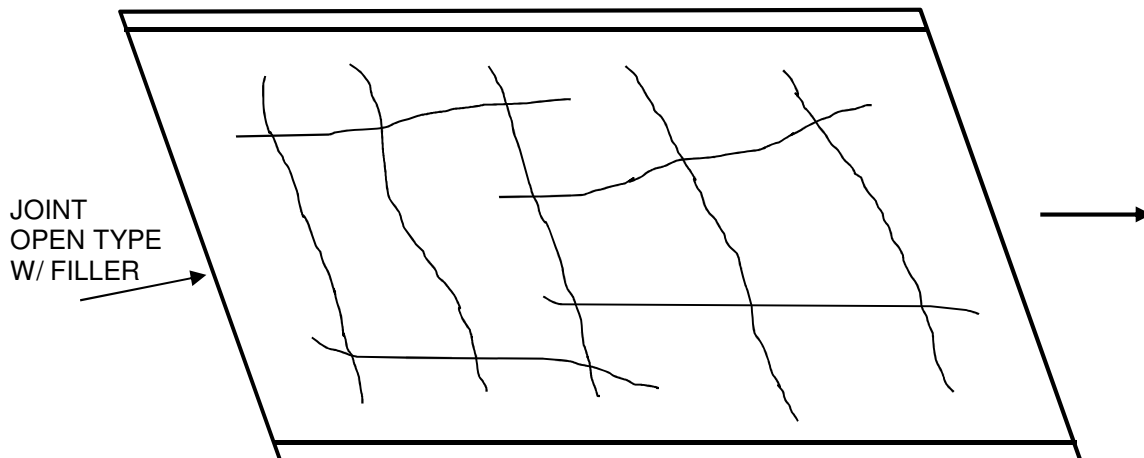
Underpass pier protection is non-existent. The minimum distance to the nearest bent from the through roadway is 17.0’.

Jeremy Billingsley

Top of Deck Span No. 1

Date 2/22/2016
GB

Bridge Location No. 19 I440 0.36 RT.
County Route Log Mile

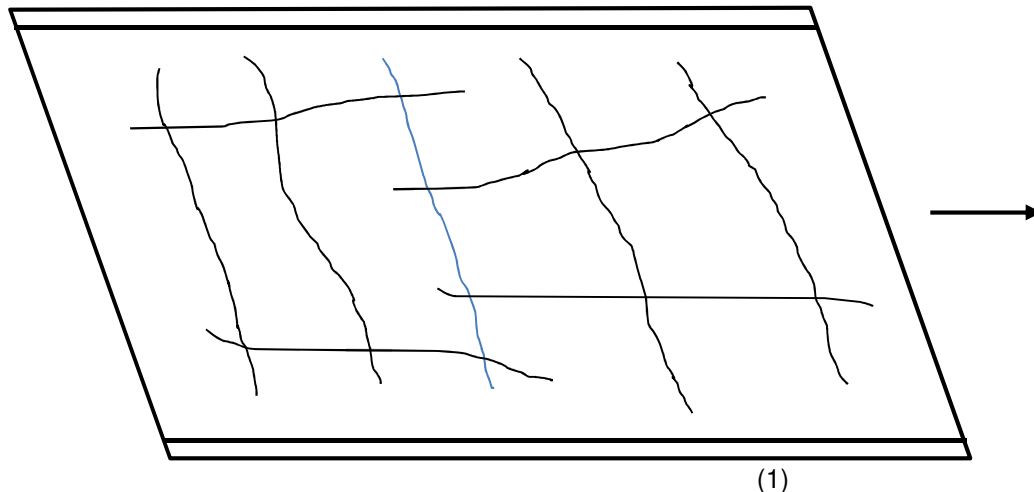


DECK	FAIR	1/16" TRANSV. & HORZ. CRACKS ALL SPANS, MOD. SCALE &
		AGG POPOUTS
PARAPET	GOOD	
JOINTS	FAIR	ADHESION FAILURES

Top of Deck Span No. 2

Date 2/22/2016
GB

Bridge Location No. 19 I440 0.36 RT.
County Route Log Mile

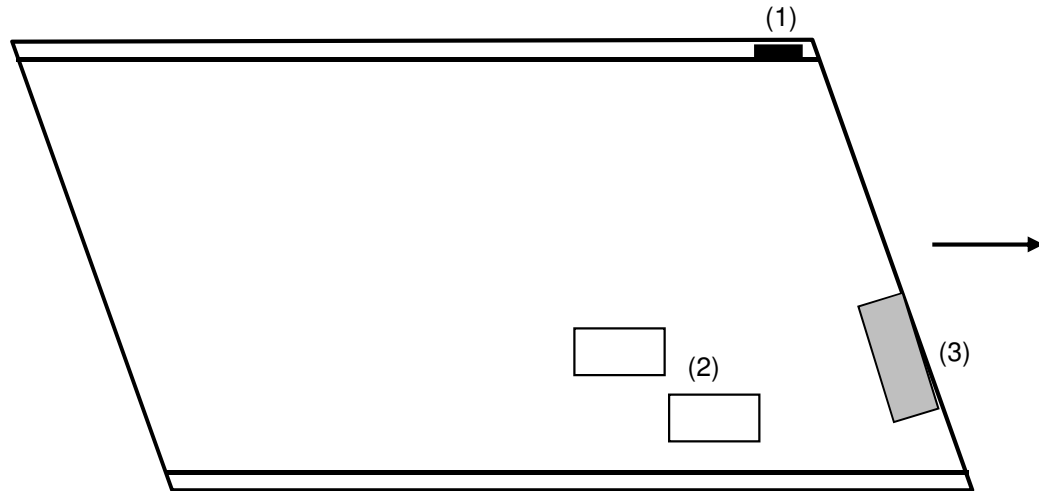


DECK	FAIR	1/16" TRANSV. & HORZ. CRACKS ALL SPANS, MOD. SCALE & AGG POPOUTS
PARAPET	GOOD	LIGHT SURFACE SCALE, (1) LONGIT. CRACKS @ LIGHTING STANDARD 6'L X 1/16" OPEN

Top of Deck Span No. 3

Date 2/22/2016
GB

Bridge Location No. 19 I440 0.36 RT.
County Route Log Mile

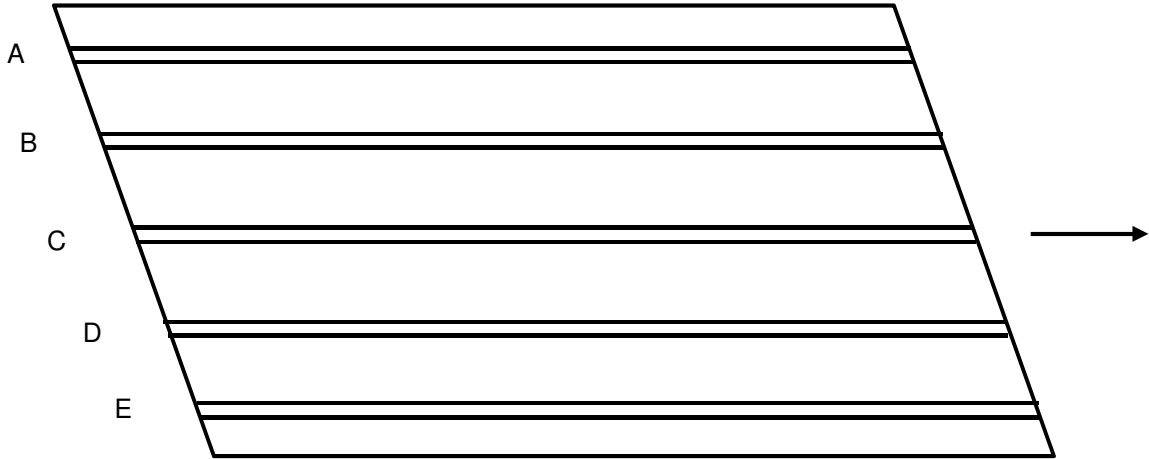


DECK	FAIR	1/8" TRANSV. & HORZ. CRACKS ALL SPANS, MOD. SCALE & AGG.
		POPOUTS, (2) CONC. PATCH W/ SPALL 3" DP, (3) A/C PATCHES ' 12' X 2'
PARAPET	GOOD	(1) SPALL 2' X 2' X 1" DP
JOINTS	FAIR	A/C PATCHES

Bottom of Slab Span No. 1

Date 2/22/2016
JB

Bridge Location No. 19 I440 0.36 RT.
County Route Log Mile

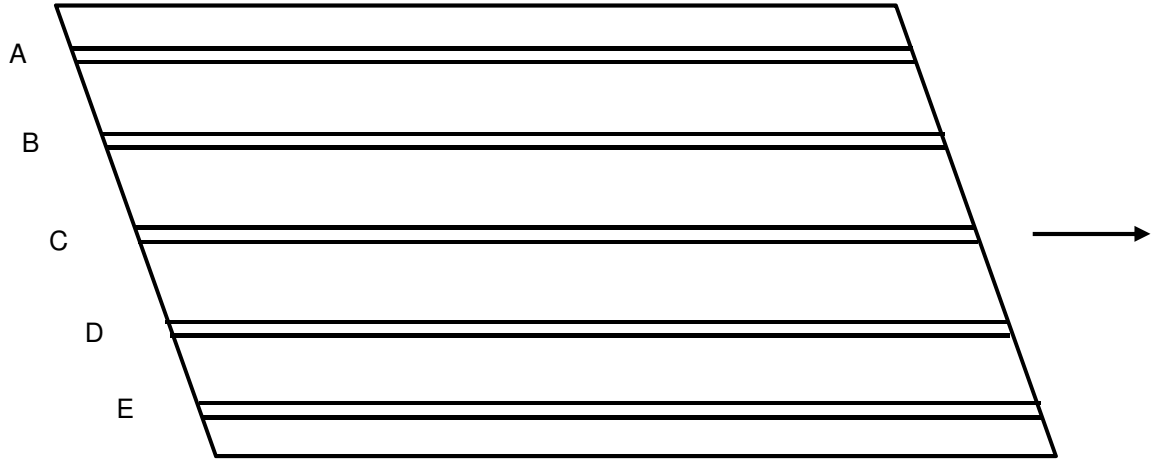


DECK	GOOD	
DIAPHRAGMS	GOOD	LONGIT. H.C.'S @ BENT #2
BEAMS	GOOD	
		ADHESION FAILURES
OVERHANG	GOOD	

Bottom of Slab Span No. 2

Date 2/22/2016
JB

Bridge Location No. 19 I440 0.36 RT.
County Route Log Mile

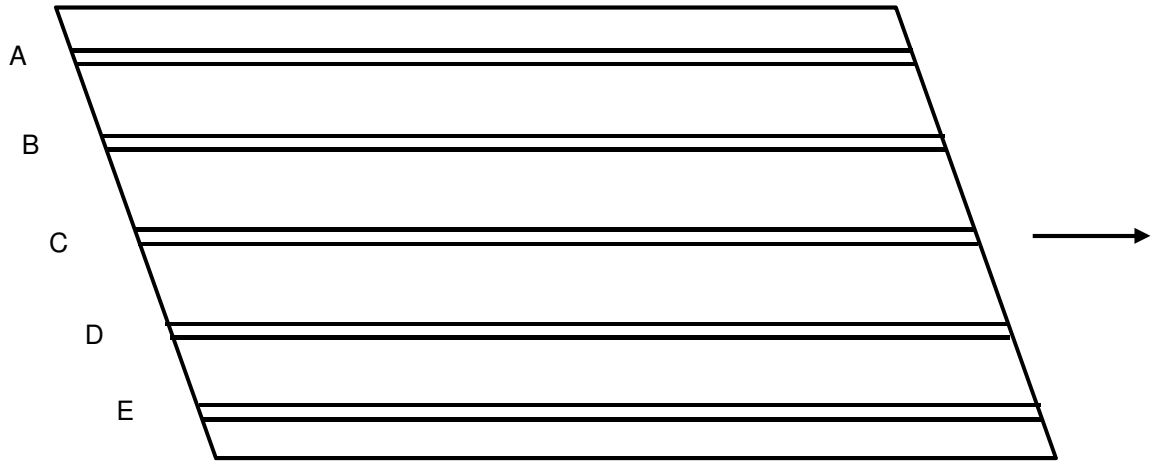


DECK	GOOD	
DIAPHRAGMS	GOOD	LONGIT. H.C.'S @ BENT #2
BEAMS	GOOD	
OVERHANG	GOOD	

Bottom of Slab Span No. 3

Date 2/22/2016
JB

Bridge Location No. 19 I440 0.36 RT.
County Route Log Mile

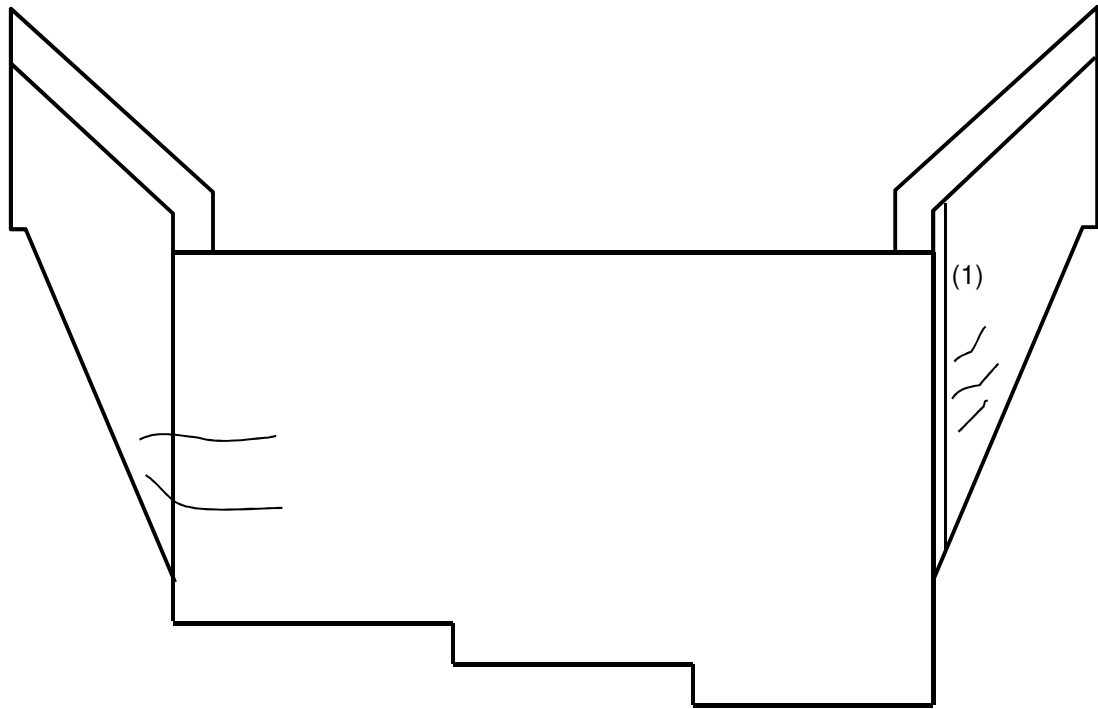


DECK	GOOD	TRANSV. CRACKS UP TO 1/16" OPEN- PANEL#6, BAY 'R', TRANSV.
		H.C.'S PANEL #1 BAY 'D', TRANSV/DIAG H.C.'S PANEL #4-6 BAY 'C',
		TRANSV. H.C. PANEL 6 BAY 'B'
DIAPHRAGMS	GOOD	
BEAMS	GOOD	
OVERHANG	GOOD	

Abutment No. 1

Date 2/22/2016
JV

Bridge Location No. 19 I440 0.36 RT.
County Route Log Mile

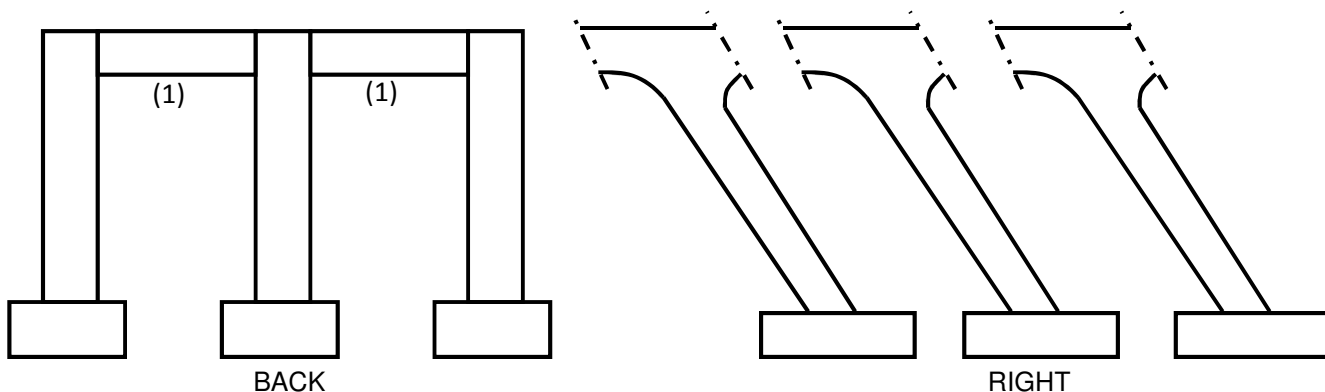
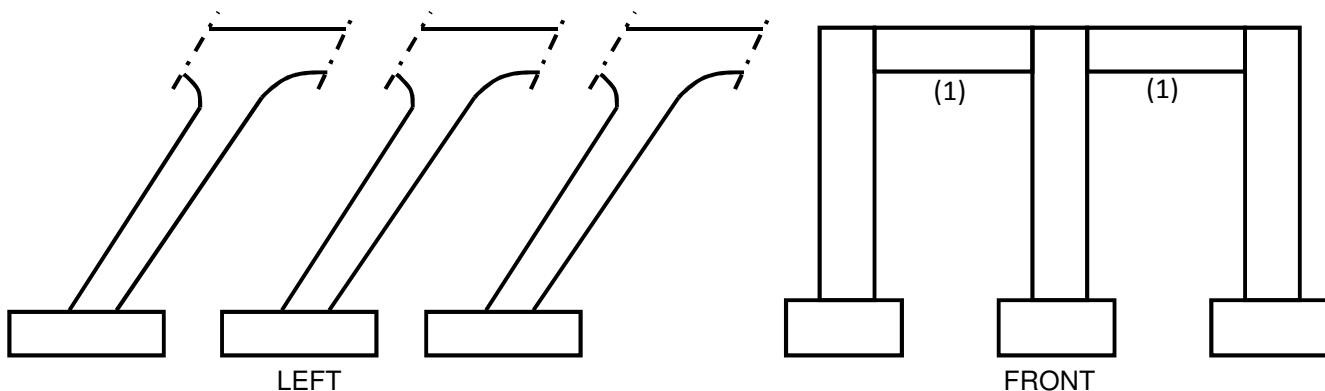


BREASTWALL	GOOD	RANDOM DIAG./VERT H.C.'S UP TO 1/16" OPEN-UP TO FULL HEIGHT
WINGS	FAIR	(1) RETAINING WALL TITLED OUT 3" W/ 1/16" OPEN CRACKS THIS TILT MEAS. EVEN FROM TOP & BTM., RANDOM I.P.B.O'S UP TO 6" DIA
BEARINGS	NV	ENCASED IN CONCRETE
SLOPE PVT	GOOD	

Bent No. 1

Date 2/22/2016
JV

Bridge Location No. 19 I440 0.36 RT.
County Route Log Mile



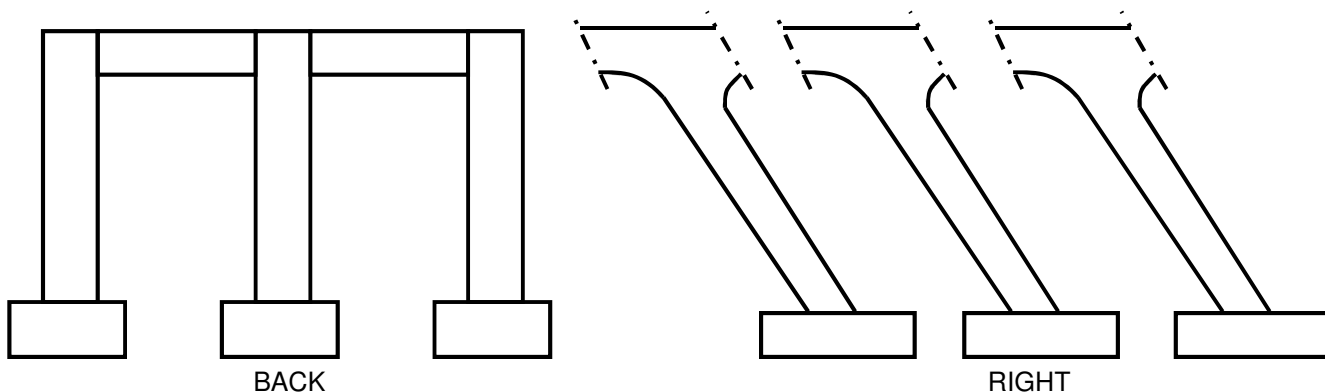
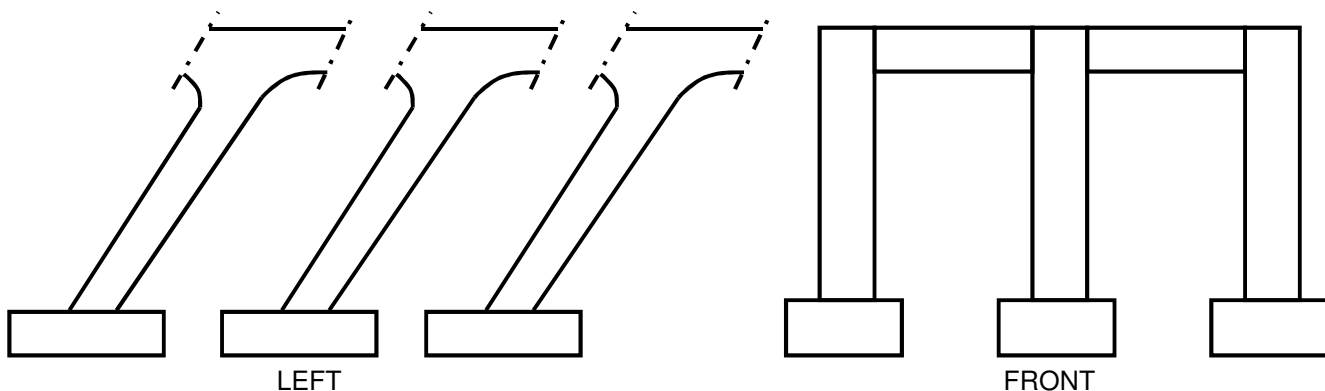
COLUMNS	GOOD	
CAP BEAM	GOOD	(1) LONGIT. H.C.'S

PRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public
document records request does not
waive the provisions of §409

Bent No. 2

Date 2/22/2016
JV

Bridge Location No. 19 I440 0.36 RT.
County Route Log Mile



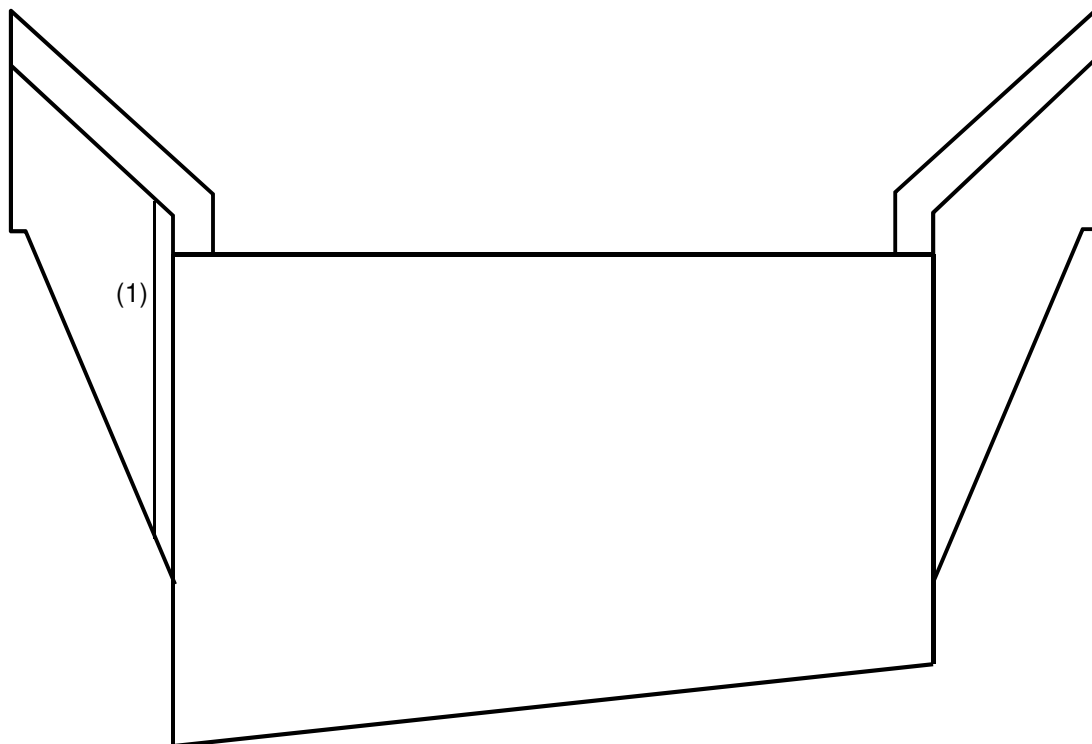
COLUMNS	GOOD	
CAP BEAM	GOOD	LONGIT. H.C.'S

PRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public
document records request does not
waive the provisions of §409

Abutment No. 2

Date 2/22/2016
JV

Bridge Location No. 19 I440 0.36 RT.
County Route Log Mile



BREASTWALL	GOOD	RANDOM VERT./DIAG H.C.'S UP TO .040" X FULL HEIGHT
WINGS	FAIR	(1) RETAINING WALL TITLED OUT 3" W/ 1/16" OPEN CRACKS THIS TILT MEAS. EVEN FROM TOP & BTM.
BEARINGS	NV	ENCASED IN CONCRETE
SLOPE PAV.	GOOD	



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

Underpass Condition Coding Form

Revised 02/22/2016

County: 19

Route: SR024

Bridge Number: 19I044000012
(Includes Item 5A)

Special Case: 0

County Sequence: 1

Feature Intersected: I440-RL / CHARLOTTE AVE.

Log Mile: 10.10

CODE ONLY THOSE VALUES WHICH HAVE CHANGED

ITEM #	DESCRIPTION	VALUE	UNDERPASS SAFETY FEATURES
90	LAST INSPECTION DATE	02/22/2016	
	EARLIEST DATE OF NEXT REGULAR INSPECTION	12/23/2017	
		<u> / /</u>	
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	32 FT. 8 IN.	
		<u> FT. IN.</u>	
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	32 FT. 8 IN.	
		<u> FT. IN.</u>	
47	TOTAL HORIZONTAL UNDERCLEARANCE	91 FT. 10 IN.	
		<u> FT. IN.</u>	
54	MINIMUM VERTICAL UNDERCLEARANCE (EXCLUDES SHOULDERS)		
	Circle One: H R	<u> FT. IN.</u>	
55	MINIMUM LATERAL UNDERCLEARANCE ON RIGHT SIDE		
	Circle One: H R	<u> FT. IN.</u>	
56	MINIMUM LATERAL UNDERCLEARANCE ON LEFT SIDE	<u> FT. IN.</u>	
516	LATITUDE	N 36° 9.1960'	517 LONGITUDE W 86° 49.3740'
521	OVERALL CONDITION	FAIR	HEIGHT POSTED AT BOTH APPROACHES? YES [] NO [] N/A []
555	COMMENTS		

TEAM LEADER SIGNATURE

REVIEW DATE

PRODUCED PURSUANT TO PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public document records request does not waive the provisions of §409

INSPECTION REPORT FOR UNDERPASS ROUTE

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

Field Report No. 20 Date 2/22/2016
Previous Report No. 19 Date 2/24/2014

Bridge No. 19104400001 Underpass Location No. 19 - SR24 - 10.10 R
Eleven Digit No. Co. Route Log Mile
 _____ or 19 - I440 - 0036 R over 19 - SR24 - 10.10 R
Railroad/Walkway Co. Route Log Mile Co. Route Log Mile
 County Davidson Structure Name (If Named) _____
 Year Constructed 1985 ACT _____
 Year Widened _____ Year Rehabilitated _____

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

Divided Highway NA Type of Wearing Surface AC
 Width of Approach Traveled Roadway 56 ft. (Does Not Include Shoulders)
 Width of Median if Divided Highway _____ ft.
 Approach Shoulder Width 2 ft. Right 2 ft. Left
 *Horizontal Clearance Under Bridge 92 ft.
 *Distance Between Pier Protection Guardrail and Substructure _____ ft. Right _____ ft. Left
 *Width of Sidewalk Under Bridge 5 ft. Right 5 ft. Left
 *Minimum Vertical Clearance: 32 ft. 8 in. (ft.-in.)
 *Show on Sketch _____

TRAFFIC SAFETY FEATURES

Pier Protection Railing or Parapet
 Approach Guardrail Terminals
 Approach Guardrail
 Approach Guardrail Terminal

Rating	Standard/ SubStandard Non Exist
	NON EXISTENT
	NON EXISTENT
	NON EXISTENT
	NON EXISTENT

INSPECTORS

1. BILLINGSLEY TL
2. VOGEL
3. BROWN
4. LOVE
5. _____
6. _____

SIGNING

	Yes/ No/ Needed
Paddleboards	NO
Vertical Clearance (<14'-6")	NO
Narrow Passage	NO
One Lane Passage	NO
Other Underpass Signs Needed	<u>NO</u>

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

Date 2/22/2016

Underpass Location No. 19 - SR24 - 10.10 R
Co. Route Log Mile

Other Signs or Plaques:

Comments Regarding any
Problems with Signing:

BRIDGE FEATURES (*.* ft.)

Bridge Skew <u>75 ° RT</u>	Number of Lanes/Tracks on Bridge _____
Structure Type (Main Span) <u>HBB</u>	No. Main Spans <u>3</u>
Structure Type (Appr.Spans) _____	No. Appr. Spans _____
Maximum Span Length <u>105</u> (ft.)	Total Length <u>200</u> (ft.)
Width of Bridge Out-to-Out <u>56.0</u> (ft.)	Right Angle to Centerline of Bridge)
Width of Bridge Along Skew _____ (ft.)	(If Unable to Measure at Right Angle to Centerline of Bridge)

BRIDGE CONDITION: GOOD

Does Potential Exist for Elements from Bridge Falling on Roadway Beneath? NO

Does Potential Exist Because of Deteriorated Condition or Failure of Major Members? NO

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.

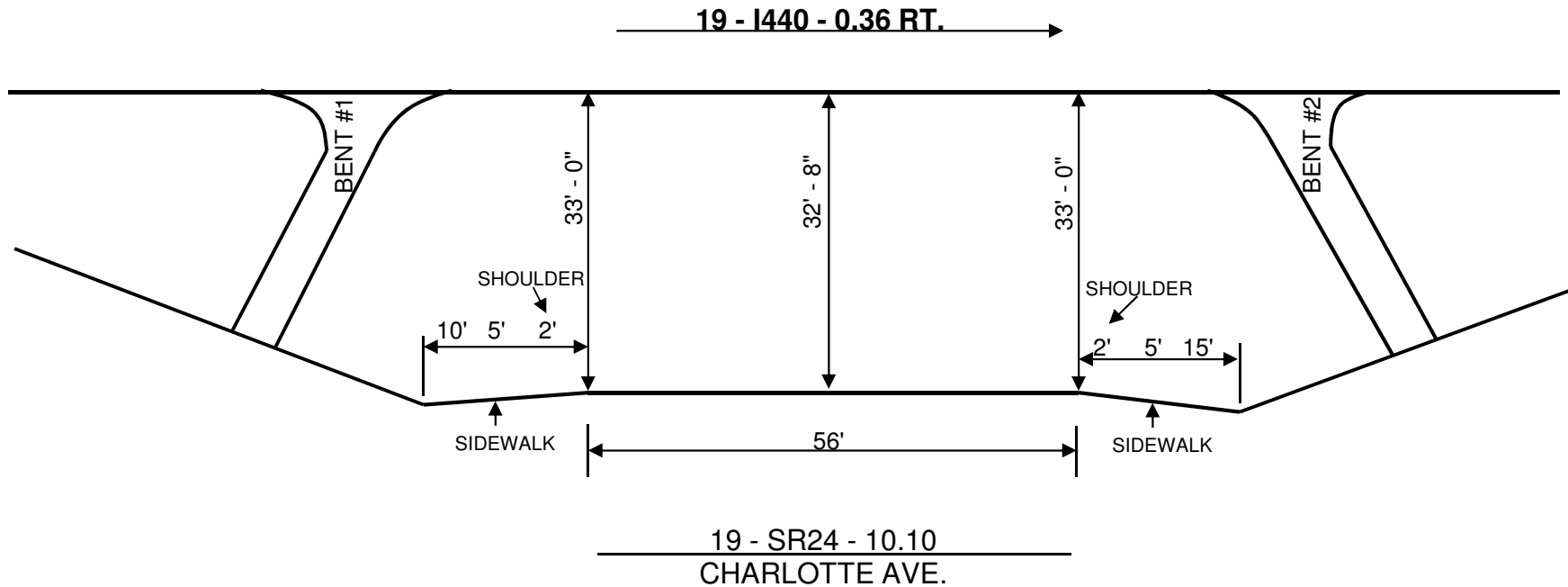
MINIMUM PICTURES REQUIRED

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

CLEARANCE SKETCH

Date 2/22/2016

Bridge Location No. 19 I440 0.36 RT
County Route Log Mile



**PRODUCED PURSUANT TO
PUBLIC RECORDS REQUEST
This document is covered by 23 USC §409
And its production pursuant to a public
document records request does not
waive the provisions of §409**