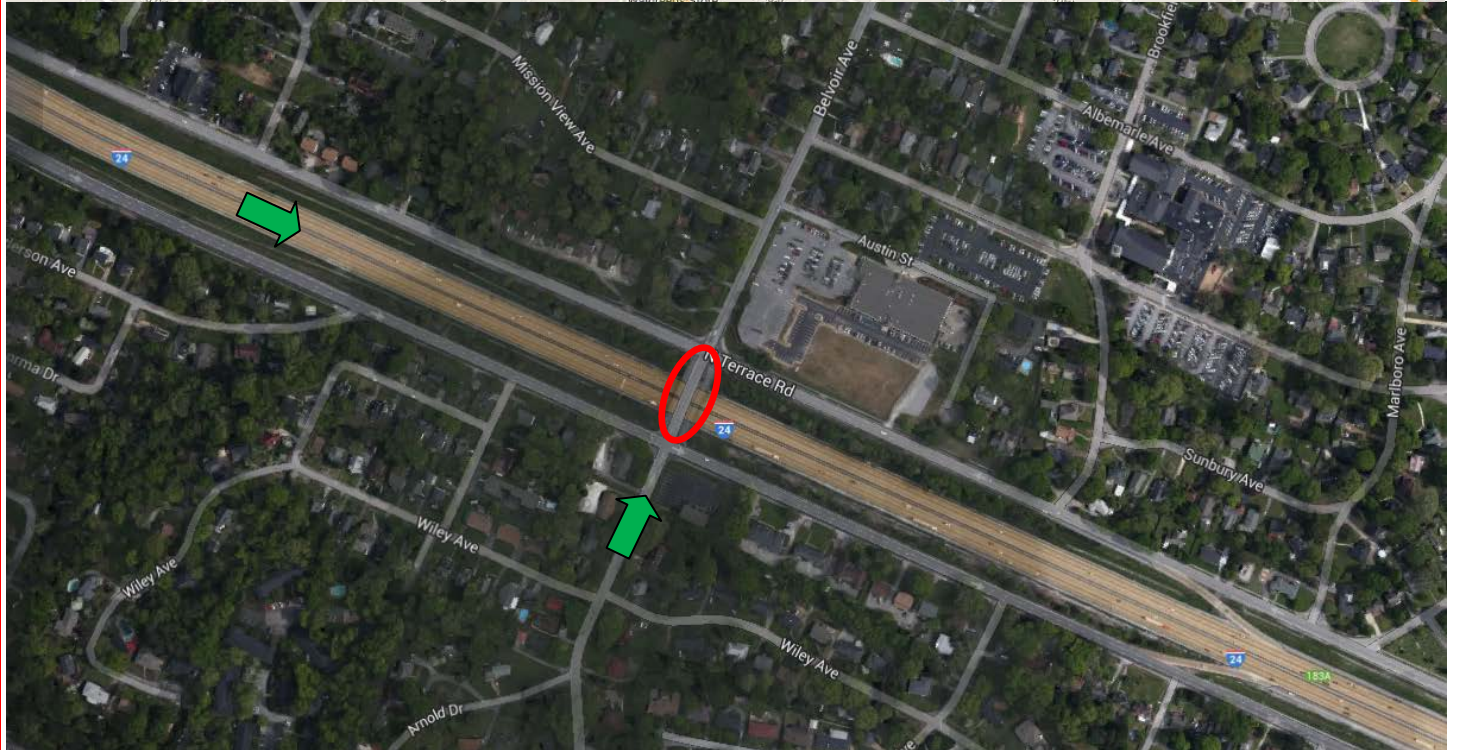
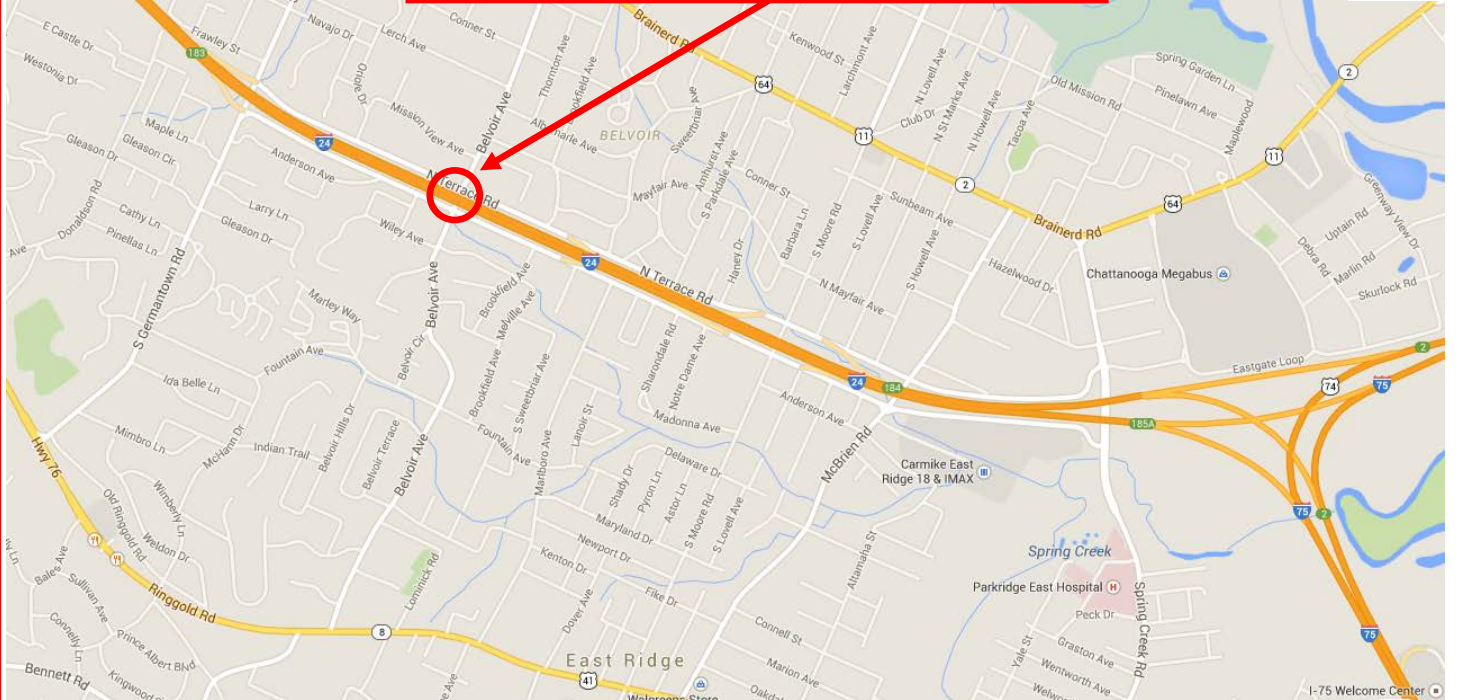




HAMILTON COUNTY

33-03611-01.01
33I00240057 (I-24 LM 12.59)
Belvoir Avenue OVER I-24 EB & WB
4-SPAN



**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**

 INDICATES ROUTE DIRECTION

 INDICATES WATERFLOW DIRECTION

BRIDGE MAINTENANCE RECOMMENDATIONS



Tennessee Department
of Transportation

COUNTY: HAMILTON
LOCATION: 33-03611-01.01-
CO. SEQ.: 1 SPEC. CASE: 0

CROSSING: BELVOIR AVE / I-24
FED. BRIDGE NO.: 33I00240057
MAINT. DIST.: 33

REPAIR LIST NO.: N
DATE ADDED:
REVISED: 10/06/2016

FACILITY CARRIED:	FAU 3611	NUMBER OF MAIN SPANS:	4
HIGHWAY SYSTEM:	18-STP URBAN, NON-STATE SYS.	NUMBER OF APPROACH SPANS:	0
BRIDGE WIDTH (CURB TO CURB):	67 FT 10 IN	BRIDGE LENGTH (FT):	191
BRIDGE WIDTH (OUT TO OUT):	79 FT 4 IN	MAXIMUM SPAN LENGTH (FT):	55
APPROACH ROADWAY (W/SHOULDERS):	67 FT 10 IN	SKEW ANGLE (DEGREES):	90
MAINTAINED BY:	STATE HIGHWAY AGENCY		
MAIN SPAN MATERIAL:	PRESTRESSED CONCRETE		
MAIN SPAN DESIGN TYPE:	BOX BEAM OR GIRDERS - MULTIPLE		
APPROACH SPAN MATERIAL:	OTHER OR NOT APPLICABLE		
APPROACH SPAN DESIGN TYPE:	OTHER OR NOT APPLICABLE		
INSPECTION DATE:	10/04/2016	GENERAL CONDITION:	FAIR
EVALUATION DATE:	11/20/2014	STRUCTURALLY DEFICIENT:	NO
PPRM PIN NUMBER:		SUFFICIENCY RATING:	86.6
H TRUCK RATING @ INV.:	20 TONS		

SUGGESTED ROUTINE MAINTENANCE AND COMMENTS
Cut vegetation blocking sidewalk
PAINT PROTECT EXPOSED REBAR BENT 2
LEVEL THE WEARING SURFACE OVER THE COVERED JOINTS.
SEAL VOIDS IN DECK WEARING SURFACE AT CENTERLINE.

GENERAL COMMENTS:



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

Bridge Condition Coding Form

Revised 10/06/2016

Bridge Number: 33I002400571
 (Includes Item 5A)

Feature Intersected: BELVOIR AVE / I-24

Evaluation Status: NO CHANGE BUT STILL EVALUATE

County: 33

Route: 03611

Special Case: 0

County Sequence: 1

Log Mile: 1.01

CODE ONLY THOSE VALUES WHICH HAVE CHANGED

ITEM #	DESCRIPTION	VALUE	CONDITION CODING GUIDELINES	
90	LAST INSPECTION DATE	10/04/2016	(Values for Coding Items 58, 59, 60 and 62)	
	EARLIEST DATE OF NEXT REGULAR INSPECTION	08/05/2018		
		<u> / / </u>		
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	99 FT. 99 IN.	N NOT APPLICABLE	
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	99 FT. 99 IN.	9 EXCELLENT CONDITION	
36	TRAFFIC SAFETY FEATURES		8 VERY GOOD CONDITION - NO PROBLEMS NOTED.	
	Br. Rail	0	7 GOOD CONDITION - SOME MINOR PROBLEMS.	
	Trans.	N	6 SATISFACTORY CONDITION - MINOR DETERIORATION OF STRUCTURAL ELEMENTS.	
	Appr. Rail	N	5 FAIR CONDITION - ALL PRIMARY STRUCTURAL ELEMENTS ARE SOUND BUT MAY HAVE MINOR SECTION LOSS, CRACKING, SPALLING OR SCOUR.	
	Terminal	N	4 POOR CONDITION - ADVANCED SECTION LOSS, DETERIORATION, SPALLING OR SCOUR.	
	SPEED LIMIT	30	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.	
41	STRC OPEN/CLOSED/POSTED	A	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.	
	A	K	P	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.
58	DECK	7	0 FAILED CONDITION - OUT OF SERVICE AND BEYOND CORRECTIVE ACTION.	
59	SUPERSTRUCTURE	6		
60	SUBSTRUCTURE	5		
61	CHANL/CHANL PROTECTION	N		
62	CULVERT AND RETAIN WALL	N		
71	WATERWAY ADEQUACY	N		
72	APPROACH RDWY ALIGNMENT	6		
521	OVERALL CONDITION	FAIR		
16	LATITUDE	N 35° .6440'		
17	LONGITUDE	W 85° 14.6350'		

TEAM LEADER SIGNATURE

REVIEW DATE

Photographs

Bridge ID#: 33I00240057

Date: 10/04/2016



#1 RIGHT SIDE



TOP OF DECK - AHEAD

Photographs



CLEARANCE - AHEAD



TOP OF DECK - BACK

Photographs



CLEARANCE - BACK



RIGHT SIDEVIEW - BACK

Photographs



LEFT SIDEVIEW - AHEAD



SUPER/SUB STRUCTURE - ABUTMENT 2 - TYPICAL

Photographs



SUPER/SUB STRUCTURE - SPAN 3 - BENT 2 - TYP.



BEARINGS - ABUTMENT - BENT 1

Photographs



BEARINGS - BENT 1



APPROACH 1

Photographs



WEARING SURFACE



TRAFFIC SAFETY FEATURES - BRIDGE RAIL

Photographs



APPROACH 2



APPROACH 2 - BROKEN - UNEVEN

Photographs



BENT 3 - COLUMN E - LARGE REBAR SPALL



BENT 2 - CAP AND COLUMN B - REBAR SPLLS/DLAMS

BRIDGE INSPECTION REPORT

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

Field Report No. 23 Date 10/4/2016
Previous Report No. 22 Date 10/20/2014
Plans: DESIGN

Bridge No. 33100240057
Eleven Digit No.

Bridge Location No. 33 - 03611 - 0101
Co. Route Log Mile

BELVOIR AVE (3611-1.01) over _____
Road Name Crossing Structure Name (If Named)
Year Constructed 1964 - ACTUAL County Hamilton Maintenance District: 29
Year Widened NA - NA Year Rehabilitated NA - NA

FEATURES

Wearing Surface ASPHALT Depth 2.0 in
 Flared Width Median Width NONE ft
 Navigation Control Bridge Skew 90°
Structure Type (Main) | PCBB
Structure Type (Appr.) | NA
No. Main Spans 4 No. Approach Spans 0
Maximum Span Length 55.3 ft
Total Length 190.5 ft

TEAM LEADER

F. Watkins

INSPECTORS

G. Haas
M. Shelton
J. Edwards

WIDTHS (*.* ft.)

Deck Out-to-Out 79.5 ft
Roadway Curb/Curb 68.0 ft
Roadway Rail/Rail 77.0 ft
Sidewalk Rt. 4.5 ft Lt. 4.5 ft
*Approach Roadway _____
*(Does Not Include Shoulders)
Approach Shoulder Rt. _____
Lt. _____

CLEARANCES

Min. Vertical Clearance over Deck _____
Min. Vertical Under Clearance _____
Min. Lateral Under Clearance Rt. 53 ft
Min. Lateral Under Clearance Lt. _____
 Fracture Critical Bridge _____
(If Yes, Include BIR 3.9)
 NBIS Bridge (Length > 20ft)

UNDERWATER INSPECTION

To Be Performed By: _____ Date _____

Change in Structural Condition Major Repairs Made BRIDGE is: OPEN

COORDINATES

Latitude: N ° '
Longitude: W ° '
Date Collected:

EQUIPMENT + RESOURCES

Tape / Laser Reach All Big Boat Traffic Control - TDOT
 Ladder Bucket Truck Little Boat Traffic Control - Bridge
 Flashlight Other::

General Inspection Comments:

Supervising Bridge Inspector: F. Watkins

BRIDGE RATING: FAIR

DECK

	Rating	Comments
Wearing Surface	FAIR	<i>UNEVEN, RUTTING</i>
Deck - TRIMS Item 58	7	
Deck - Structural Condition	NV	<i>NO VISIBLE SIGNS OF STRUCTURAL ISSUES</i>
Curbs	GOOD	
Median	NONE	
Sidewalks	GOOD	<i>Partly blocked by vegetation at approach 2</i>
Paint	NA	
Drains	NONE	
Lighting Standards	GOOD	
Utilities	NONE	
Joint Leakage	POOR	<i>HEAVY</i>
Expansion Joints	NV	<i>OVERLAYED</i>

SUPERSTRUCTURE

Super: TRIMS Item 59	6	
Bearing Devices	NV	<i>NO VISIBLE SIGNS OF STRUCTURAL ISSUES</i>
Girders or Beams	GOOD	<i>MINOR CRACKS AND SPALLS</i>
Floor Beams	NA	
Stringers	NA	
Diaphragms	NA	
Bracing	NA	
Paint	NA	
Alignment of Members	GOOD	
Trusses - General	NA	
Portals	NA	
Bracing	NA	

TEXTURE COAT

Condition Rating _____ Needs Spot Painting _____
 Overall Appearance _____ Needs Repainting _____
 Staining Rating _____ Comments _____
 Fading Rating _____
 Scaling Rating _____

SUBSTRUCTURE

Substructure - TRIMS Item 60	6	
---------------------------------	---	--

<u>ABUTMENTS</u>	Rating	Comments
Caps	GOOD	
Stem:	G-F	<i>HL CRACKS.</i>
Wings	GOOD	
Backwall	NV	
Plumb	GOOD	
Footing	NA	
Piles	NV	
Embankment	GOOD	
Bridge Seat:	NV	
Rip Rap	NA	

BENTS

Bridge Seat:	NV	<i>NO VISIBLE SIGNS OF STRUCTURAL ISSUES</i>
Caps	FAIR	<i>HL-SMALL CRACKS, DELAMS, SPALLS, PATCHES.</i>
Columns / Shaft	G-F	<i>DELAM S, SPALLS, PATCHES. BENT 2 - COLUMN B - SIGNIFICANT REBAR SPALL</i>
Pier / Crash Walls:		
Plumb	GOOD	
Footings	NV	
Piles	NV	

Piles Need Replacement: NO

Piles To Be Replaced:

Inspection Team's Summary

Structure ID

Federal ID:	33I00240057
Location:	33 - 03611 - 0101
Road Carried:	BELVOIR AVE (3611-1.01)
Direction of Route Carried:	
Traffic Direction on Bridge:	

Featured Intersection

Waterway:	
Underpass A:	I0024
Underpass B:	I0024
Overpass:	03611

Ratings and Comments

Overall Bridge Rating:	FAIR
Approach Roadway Alignment: TRIMS Item 72	

Traffic Safety Features

Bridge Rail: Item 36 A	Approach Rail: Item 36 C
Transitions: Item 36 B	Terminals: Item 36 D

Deck: TRIMS Item 58	7
Superstructure: TRIMS Item 59	6
Substructure: TRIMS Item 60	6
Culvert: TRIMS Item 62	
Waterway Channel: TRIMS Item 61	N
Waterway Adequacy: TRIMS Item 71	
Overall Channel Rating:	
General Inspection Comments:	

Inspection Date:	10/4/2016
County:	Hamilton
Closeout Agency:	
Bridge Is:	OPEN

Structure is Fracture Critical

Underwater Inspection

Underwater Inspection Required

Inspection Date
Inspector:
Report Comments:

ELEVATIONS OF DECK

PAGE NO. _____

BRIDGE LOCATION NO. 33 3611 1.01 (1.62)
 COUNTY ROUTE LOG MILE (LOG km)

DATE: 09-02-98

STATION/ LOCATION	TOP OF LT. CURB/RAIL	GUTTER/ EDGE DECK	CENTERLINE	GUTTER/ EDGE DECK	TOP OF RT. CURB/RAIL
ABUT # 1	742.00	741.35	741.74	741.30	741.99
BENT # 1	744.35	743.55	744.07	743.61	744.36
BENT # 2	747.74	747.05	747.55	747.01	747.71
BENT # 3	750.38	749.67	750.16	749.66	750.36
ABUT # 2	751.97	751.29	751.71	751.25	752.03

BENCH MARK LOCATION BRIDGE SEAT, ABUT. # 2, LT. SIDE.

BENCH MARK ELEVATION 748.59 _____

NOTE: ELEVATIONS TAKEN FROM PREVIOUS REPORT DATED 10-15-96

Top of Deck Span No. 1

Date 10/04/2016

Bridge Location No. 33 03611 1.01 **over** 33 I0024 12.59
County Route Log Mile County Route Log Mile

App Pvmnt: F Uneven, cracks, rutting

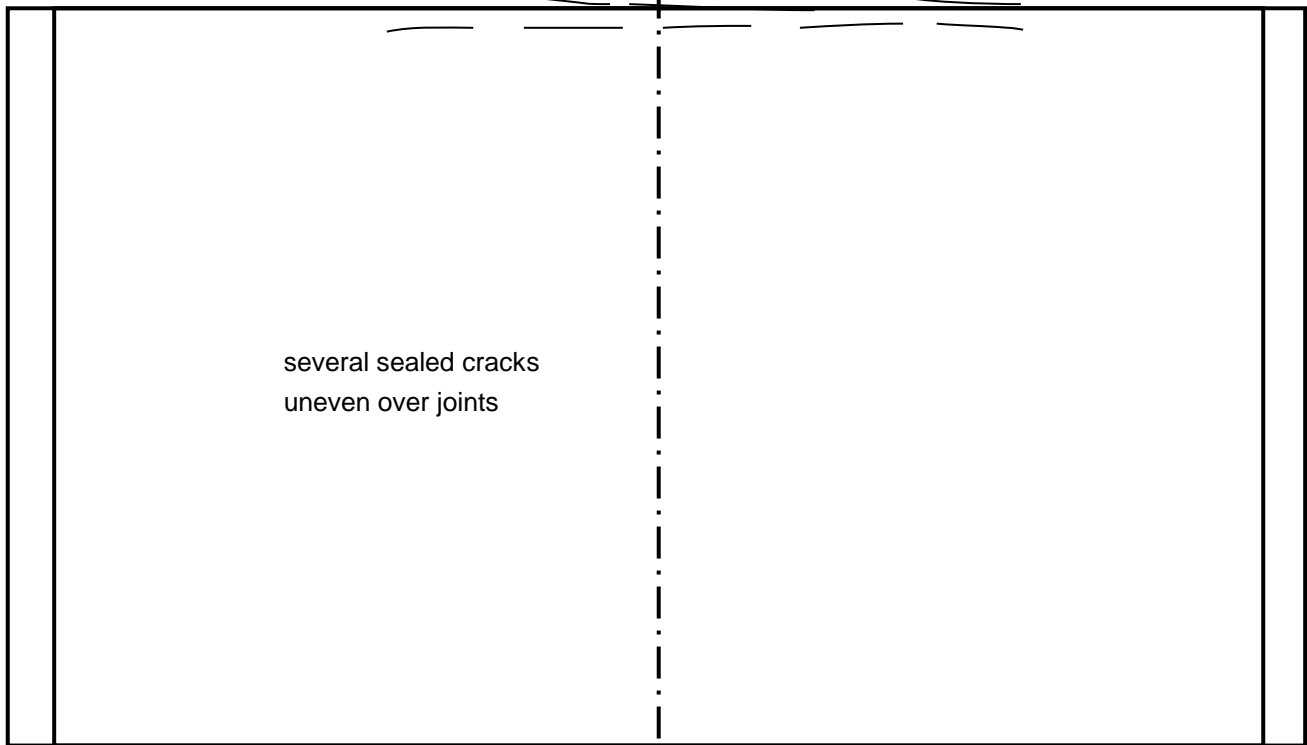
App Rail: N/A Curbs \geq 6", Speed \leq 45 mph, no approach rails required

Wearing surface: F

Bridge Rail: G

Joints: P Cracks, uneven

CRACKING OVER JOINT ↑



several sealed cracks
uneven over joints

Patch - 12"x8"x2"

Top of Deck Span No. 2

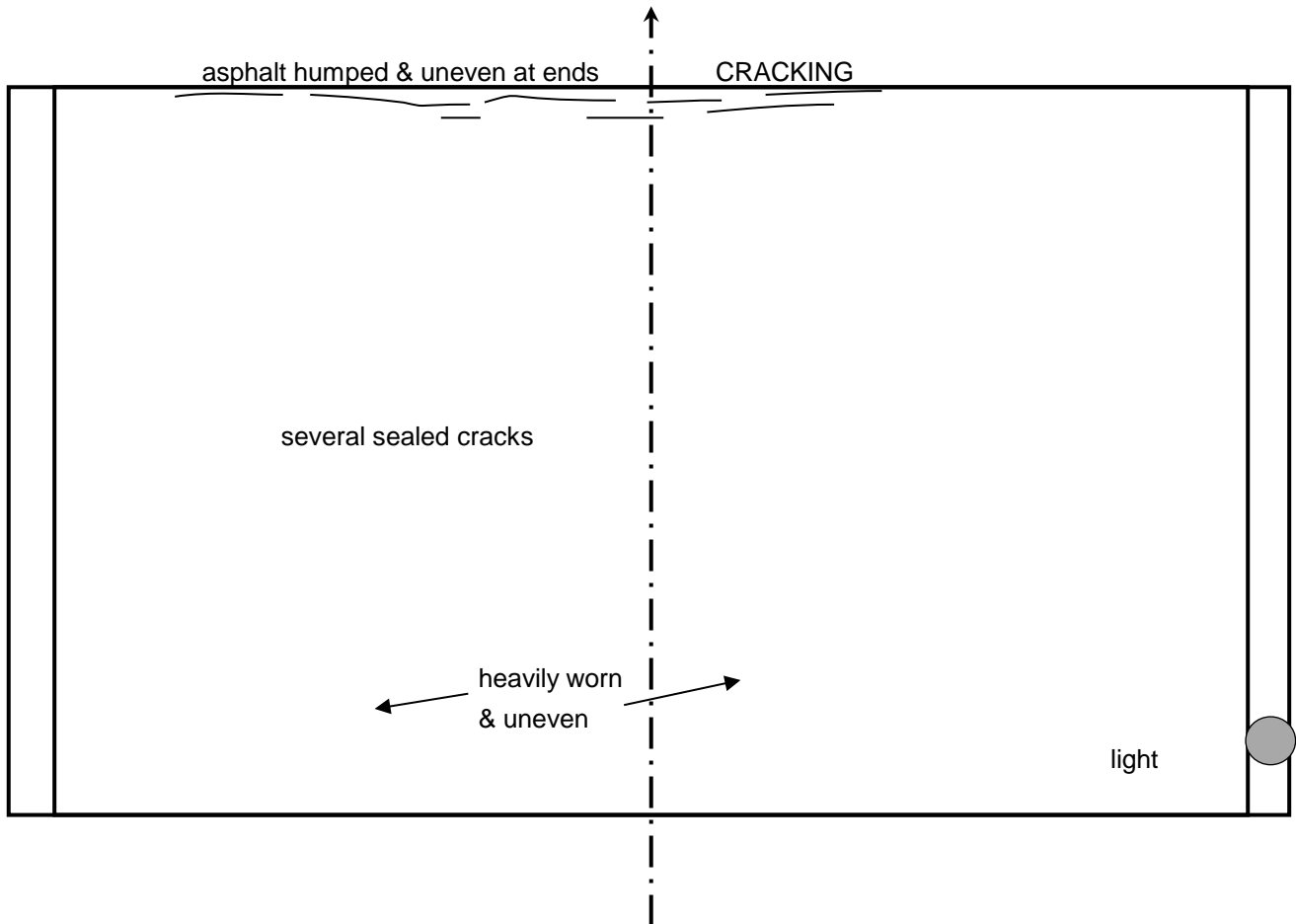
Date 10/04/2016

Bridge Location No. 33 03611 1.01 **over** 33 I0024 12.59
County Route Log Mile County Route Log Mile

Wearing Surface: F Cracks, rutting

Bridge Rail: G Nonstandard

Joints: P Cracks, uneven



Top of Deck Span No. 3

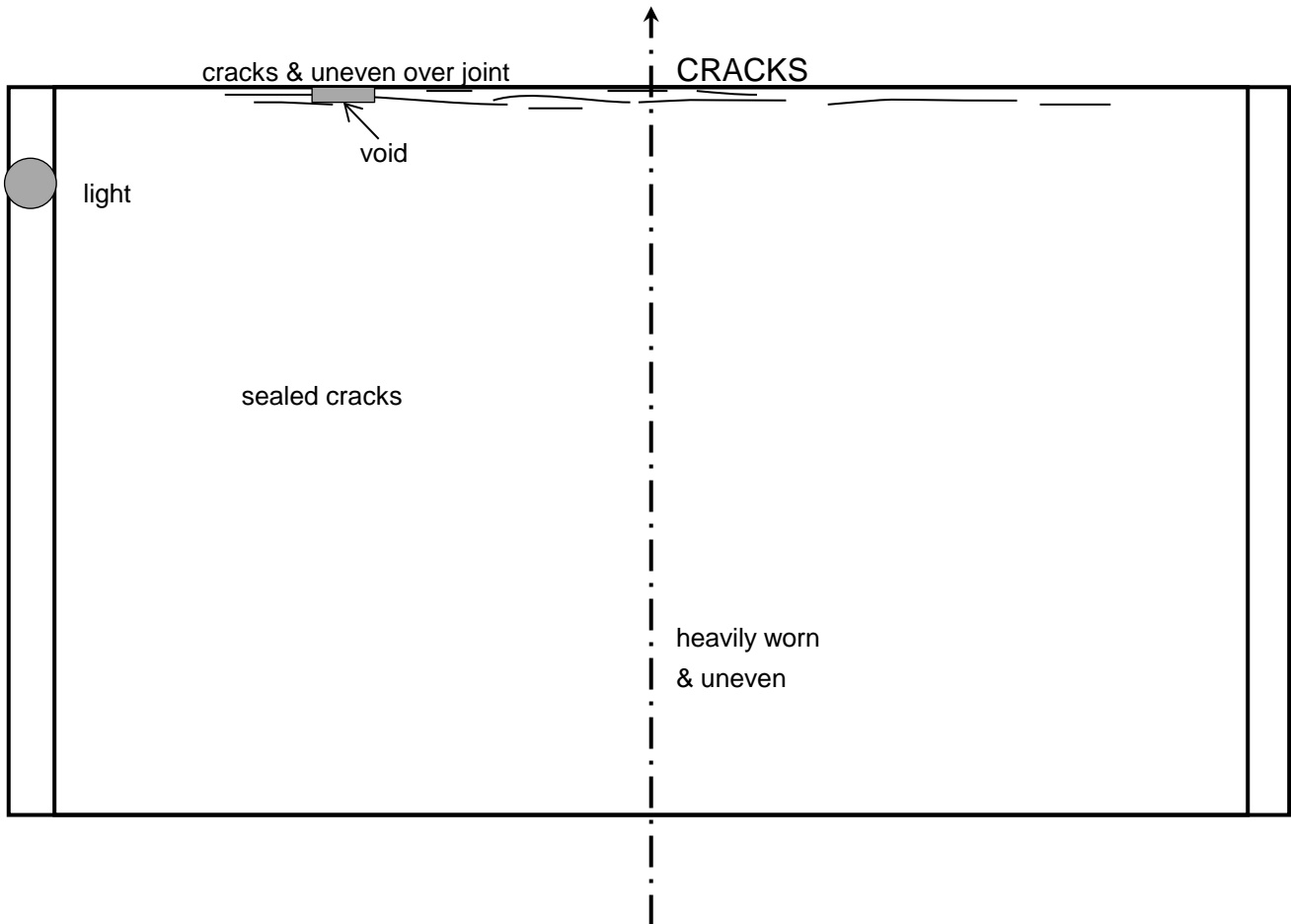
Date 10/04/2016

Bridge Location No. 33 03611 1.01 **over** 33 I0024 12.59
County Route Log Mile County Route Log Mile

Wearing Surface: F Cracks, rutting

Bridge Rail: G Nonstandard

Joints: P Cracks, uneven



Top of Deck Span No. 4

Date 10/04/2016

Bridge Location No. 33 03611 1.01 **over** 33 I0024 12.59
County Route Log Mile County Route Log Mile

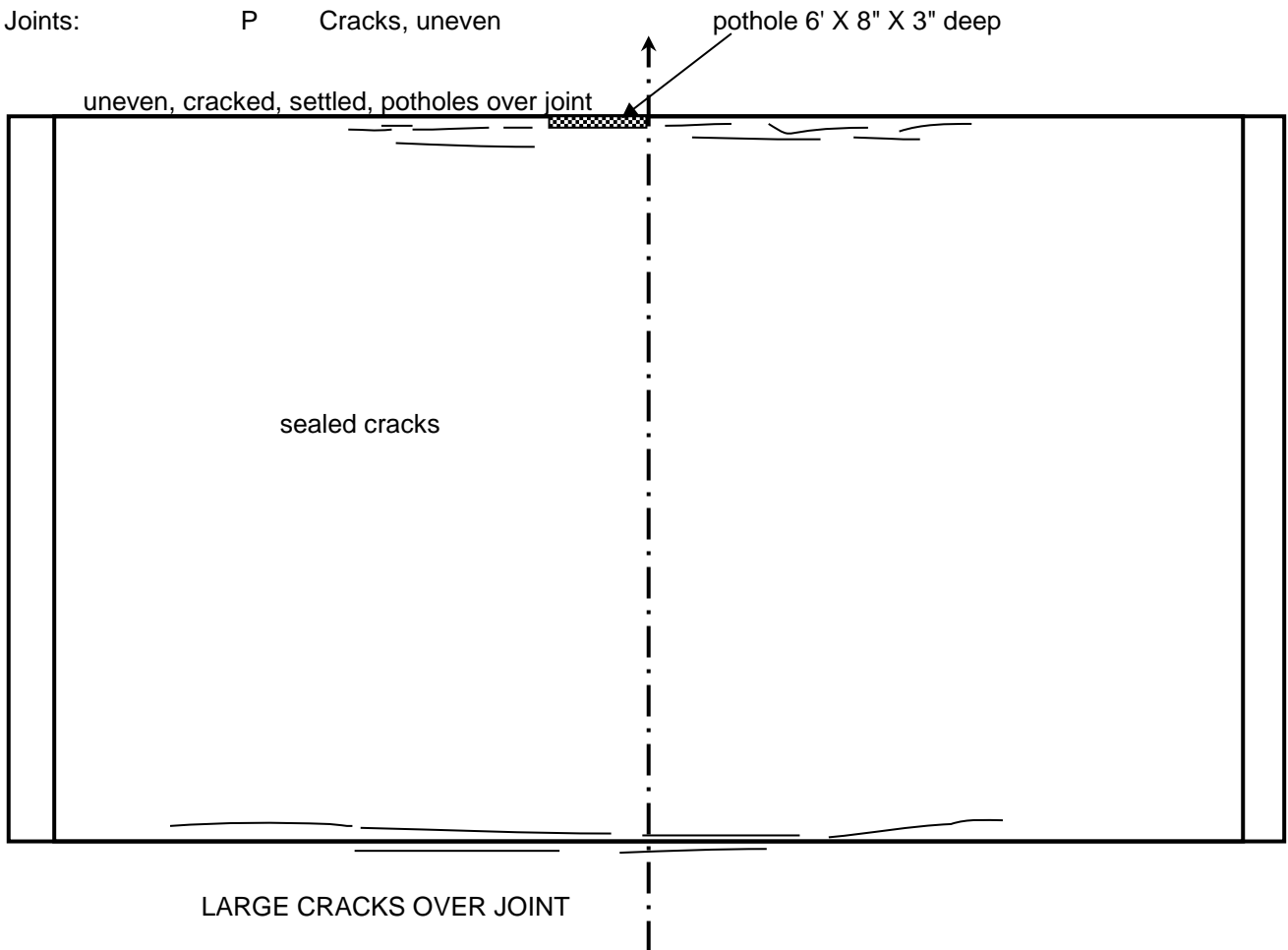
App Pvmnt: G

App Rail: N/A Curbs $\geq 6"$, Speed ≤ 45 mph, no approach rails required

Wearing surface: F Cracks, rutting

Bridge Rail: G Nonstandard

Joints: P Cracks, uneven



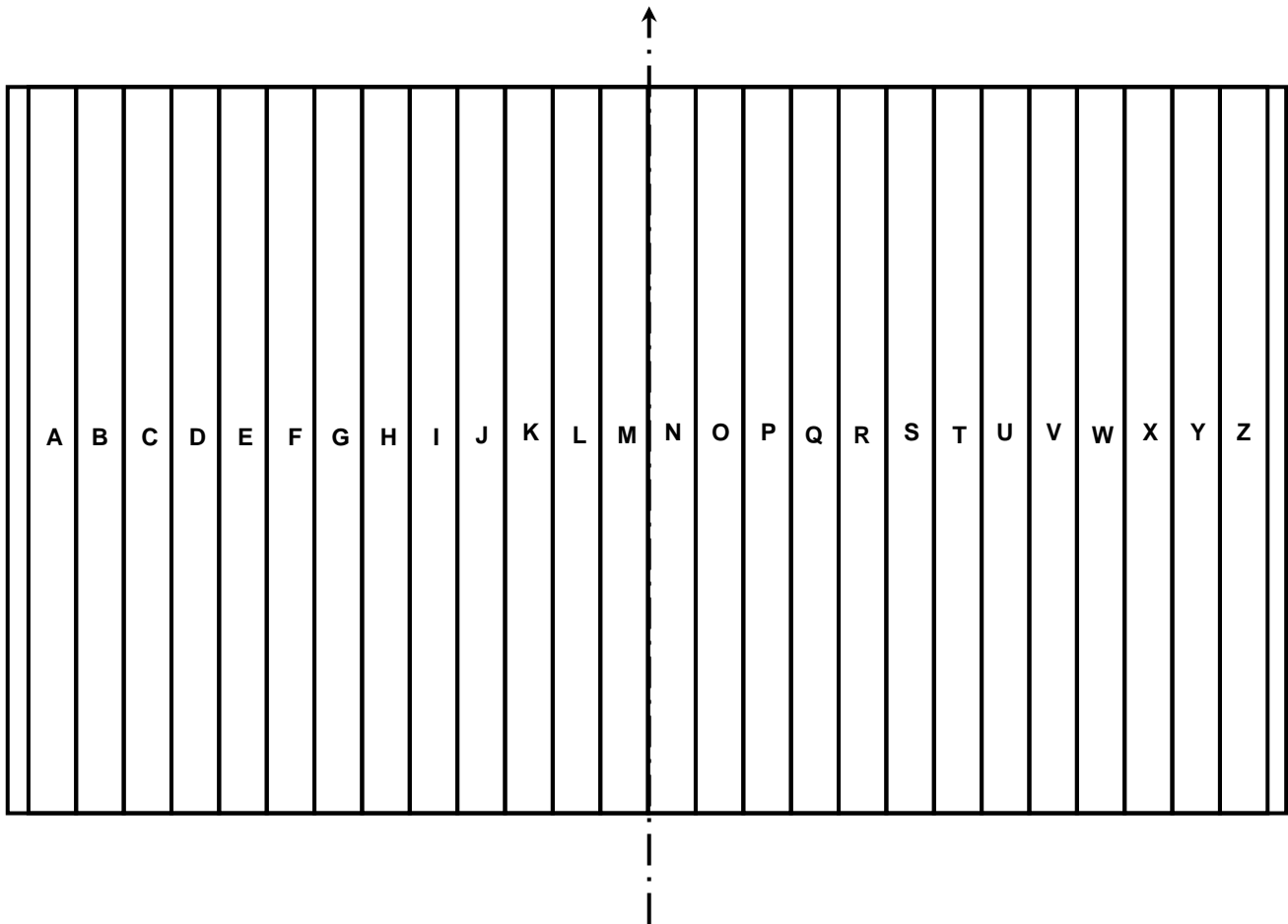
Bottom of Deck Span No. 1

Date 10/04/2016

Bridge Location No. 33 03611 1.01 **over** 33 I0024 12.59
County Route Log Mile County Route Log Mile

Beams: G Z - HL crack

1.4" long hairline horizontal crack at the end of beam Z on right face



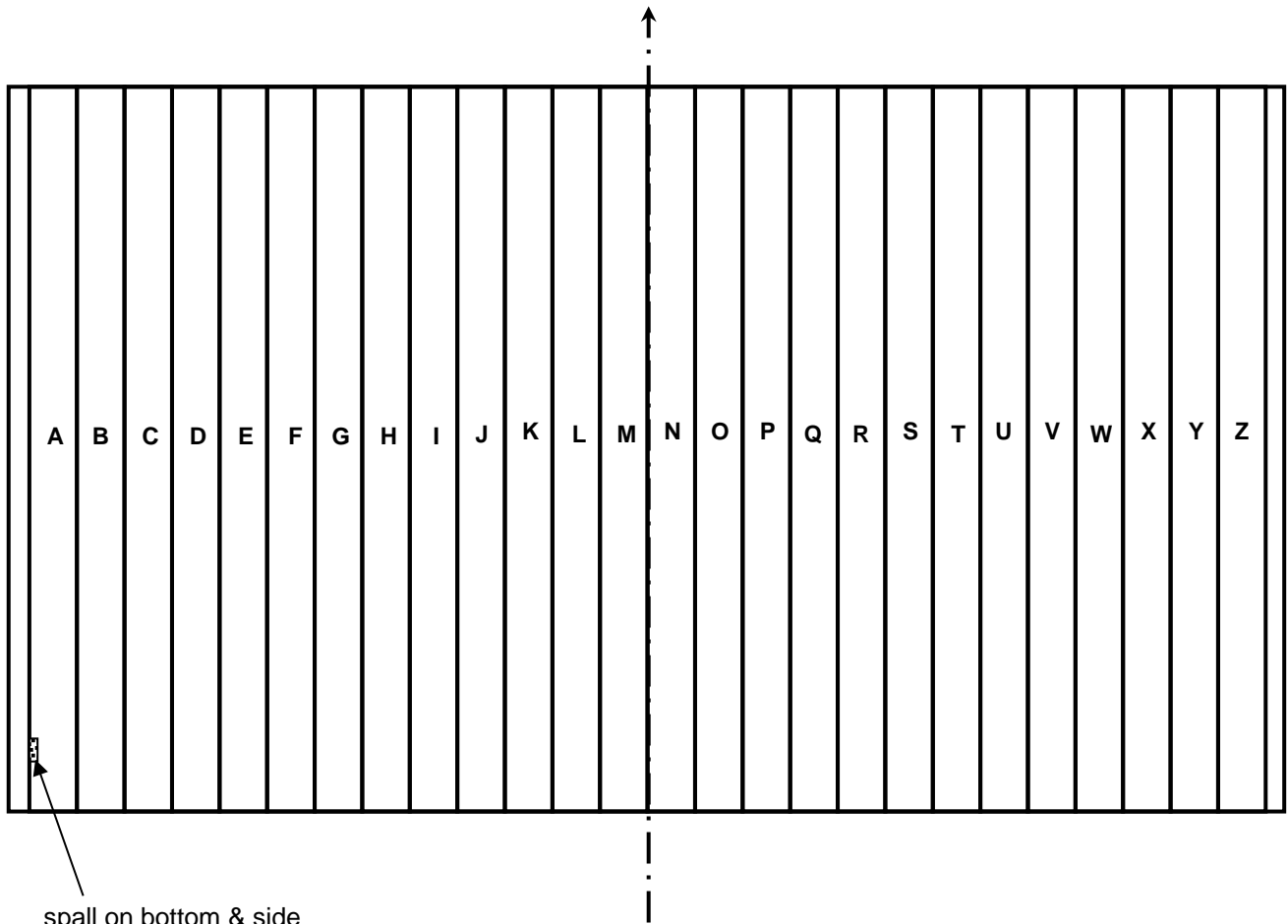
Bottom of Deck Span No. 2

Date 10/04/2016

Bridge Location No. 33 03611 1.01 **over** 33 I0024 12.59
County Route Log Mile County Route Log Mile

Beams: G

10" long hairline horiz. crack at beginning of beam Z on right face



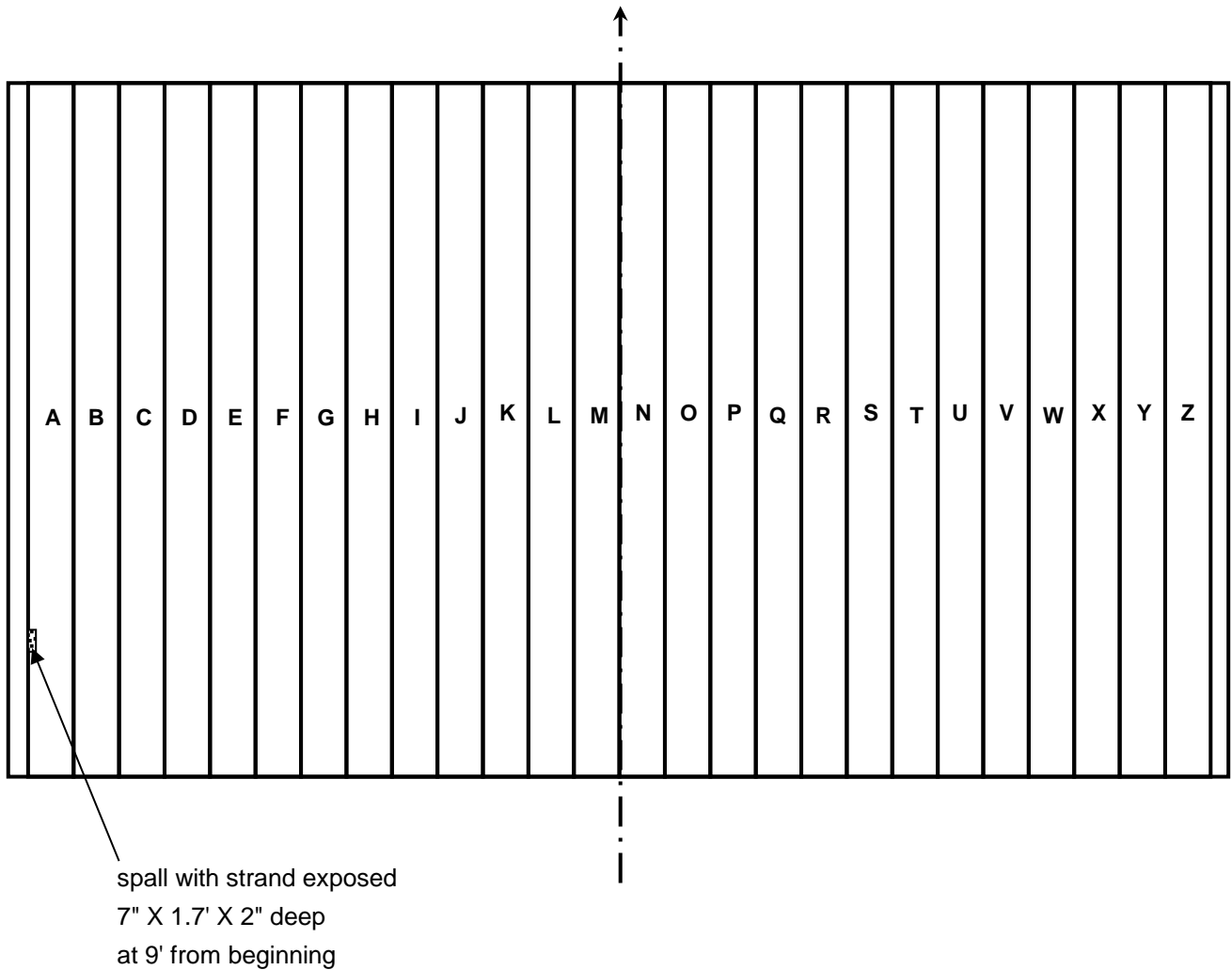
Bottom of Deck Span No. 3

Date 10/04/2016

Bridge Location No. 33 03611 1.01 **over** 33 I0024 12.59
County Route Log Mile County Route Log Mile

Beams: G

note: I-24 wearing surface - pothole - 3'x1'x5"

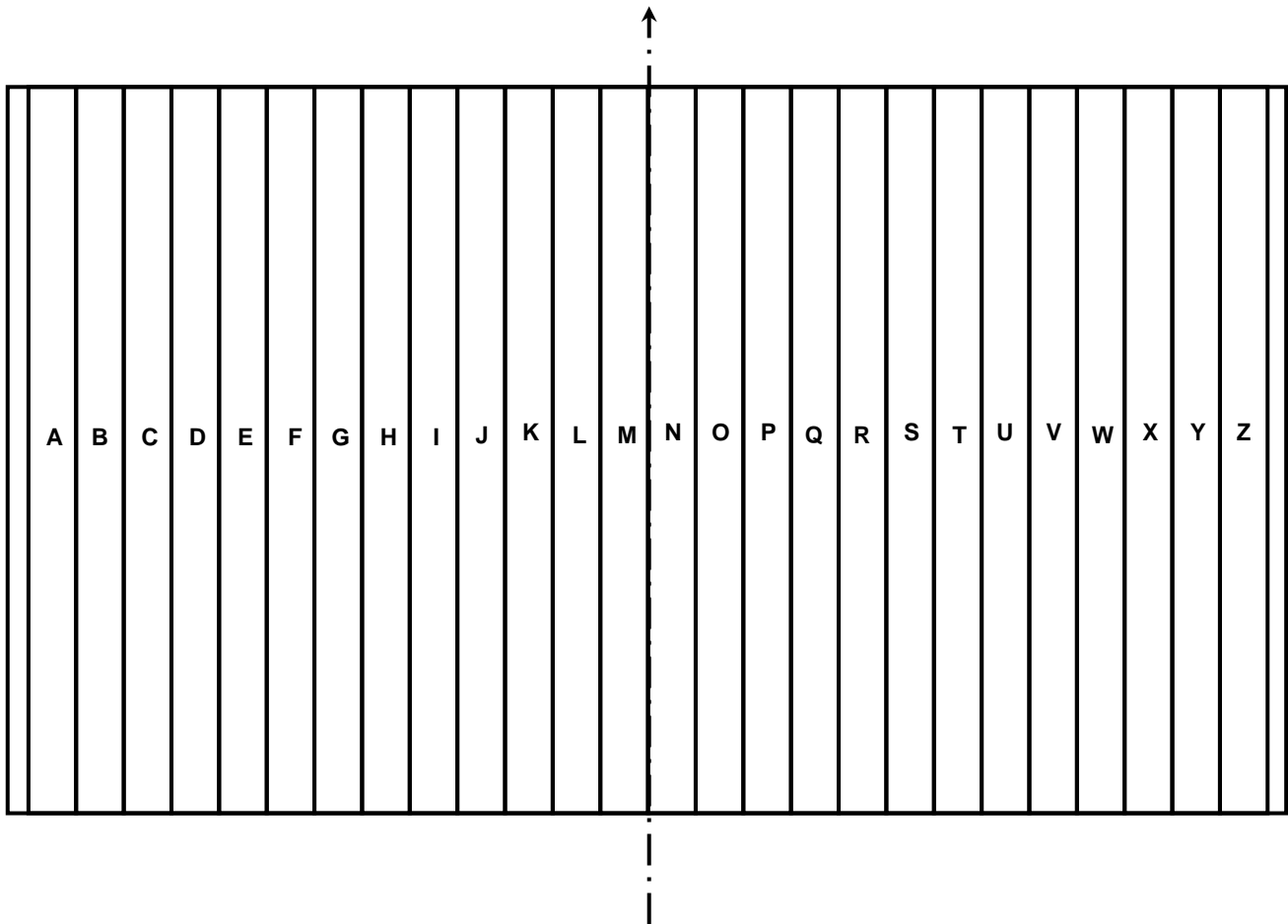


Bottom of Deck Span No. 4

Date 10/04/2016

Bridge Location No. 33 03611 1.01 **over** 33 I0024 12.59
County Route Log Mile County Route Log Mile

Beams: G



Abutment No. 1

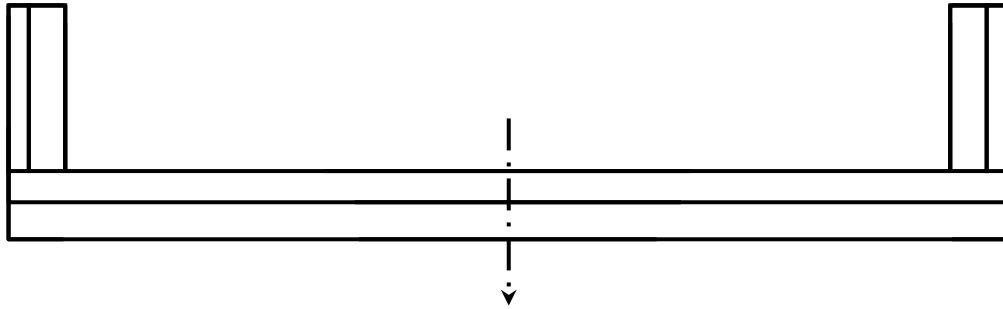
Date 10/04/2016

Bridge Location No. 33 03611 1.01 **over** 33 I0024 12.59
County Route Log Mile County Route Log Mile

Wings: G

Walls: GF

Bearings: G



Bent No. 1

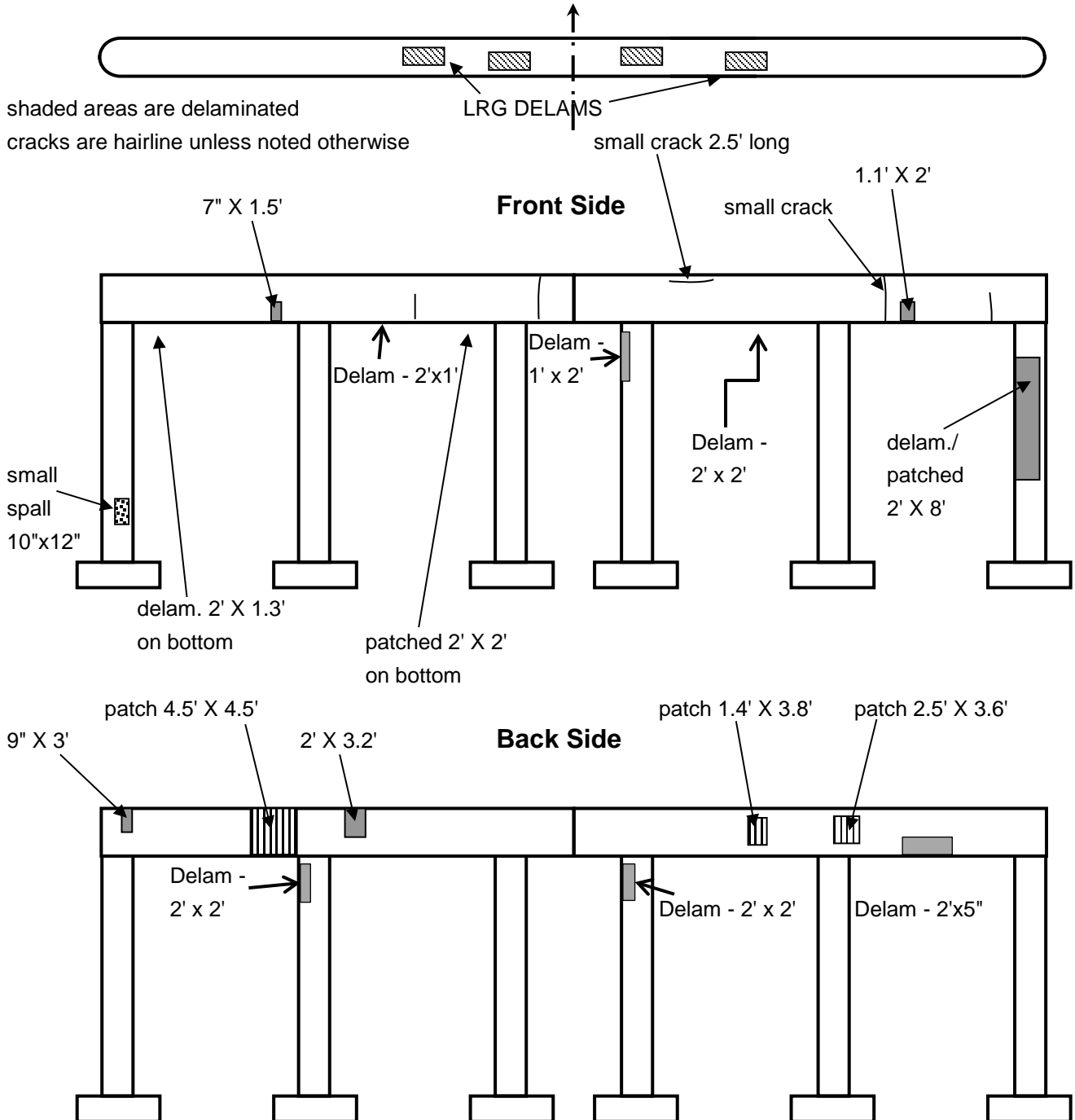
Date 10/04/2016

Bridge Location No. 33 03611 1.01 **over** 33 I0024 12.59
County Route Log Mile County Route Log Mile

Columns: F

Cap: GF

Bearings: G



Bent No. 2

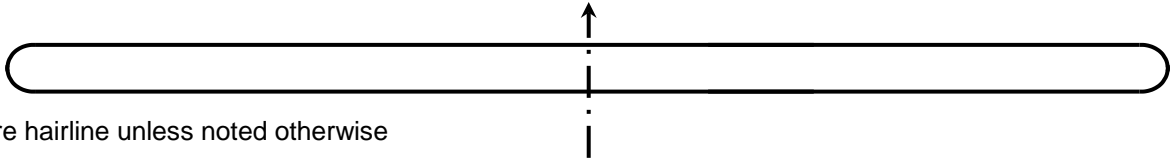
Date 10/04/2016

Bridge Location No. 33 03611 1.01 **over** 33 I0024 12.59
County Route Log Mile County Route Log Mile

Columns: F

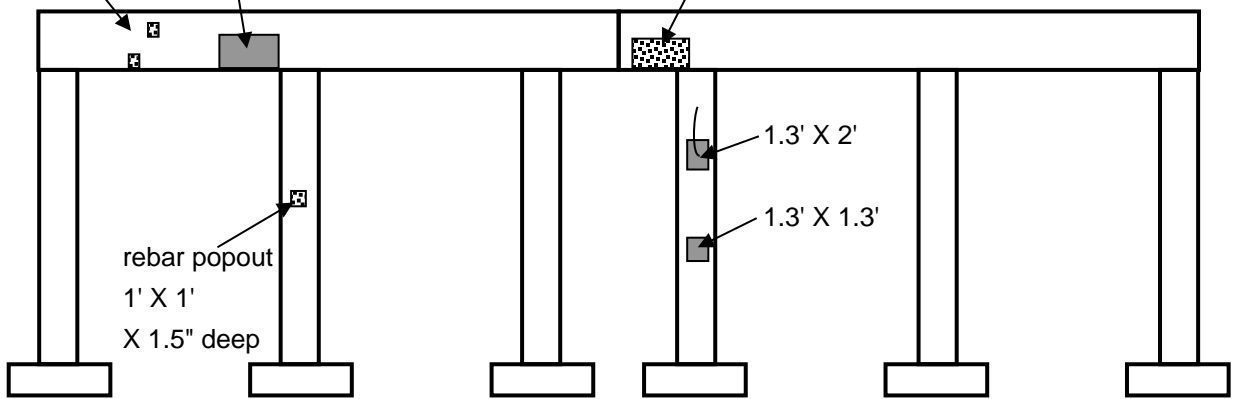
Cap: F

Bearings: G

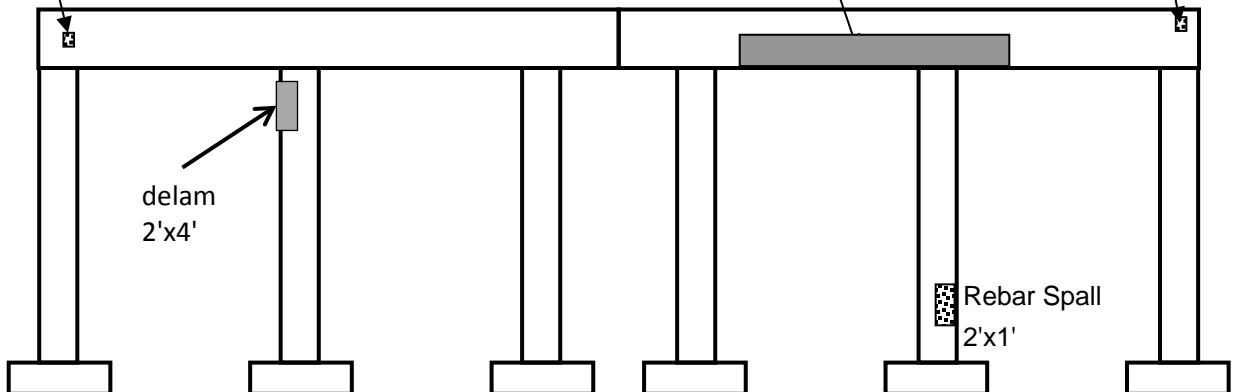


cracks are hairline unless noted otherwise
shaded areas are delaminated

rebar popouts 8" X 8" X 1" deep delam.with rebar popout 4.5' X 3.2'
Front Side Rebar Popout 3' x 3'



rebar popout 7" X 1' X 1" deep Delam/Spalled with rebar exposed 20' x 2' x 1" rebar popout 7" X 8" X 1" deep
Back Side



Bent No. 3

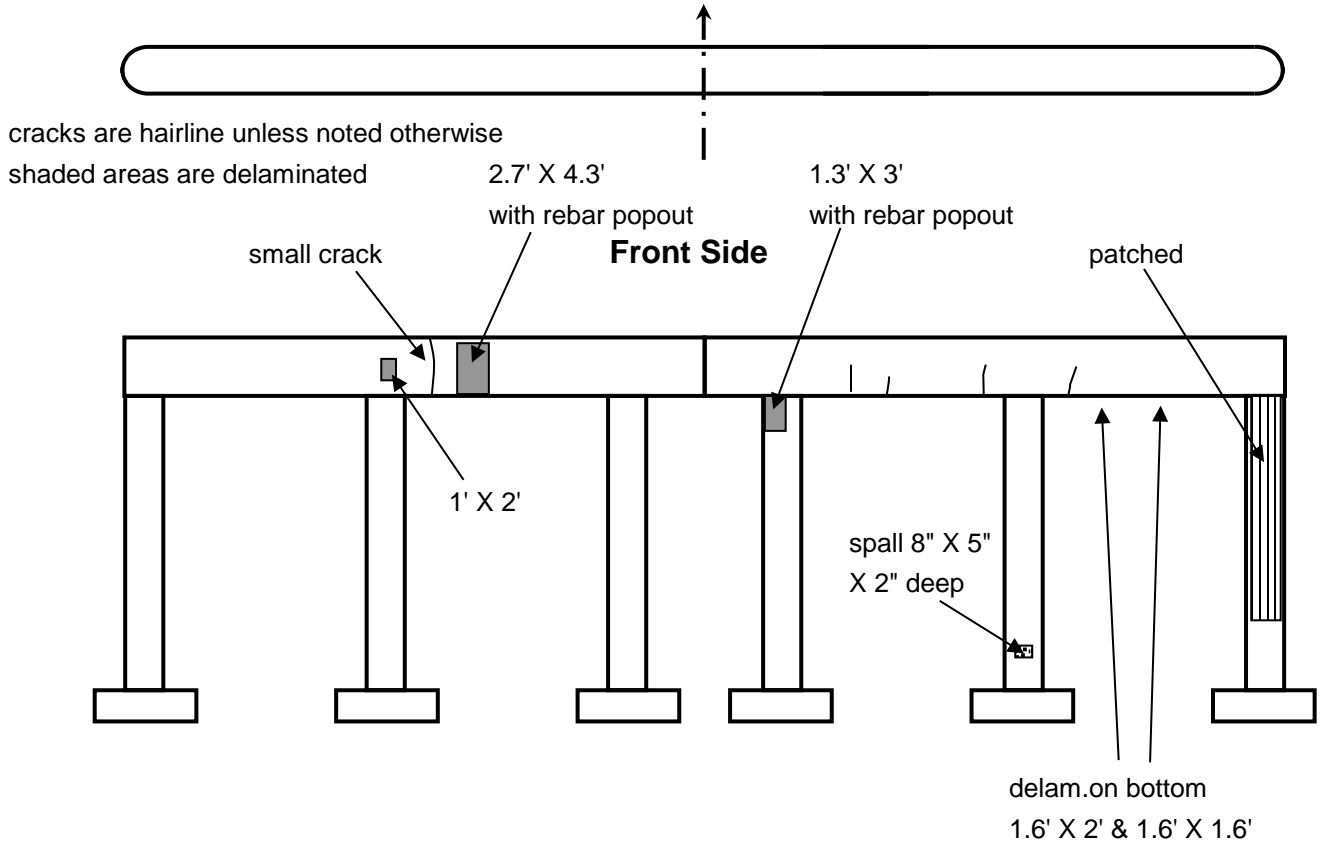
Date 10/04/2016

Bridge Location No. 33 03611 1.01 **over** 33 I0024 12.59
County Route Log Mile County Route Log Mile

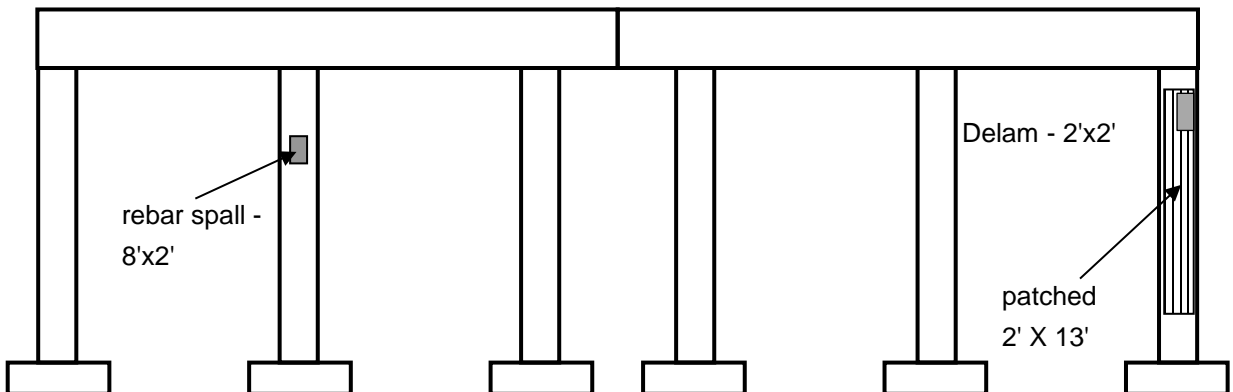
Columns: F

Cap: F

Bearings: G



Back Side



Abutment No. 2

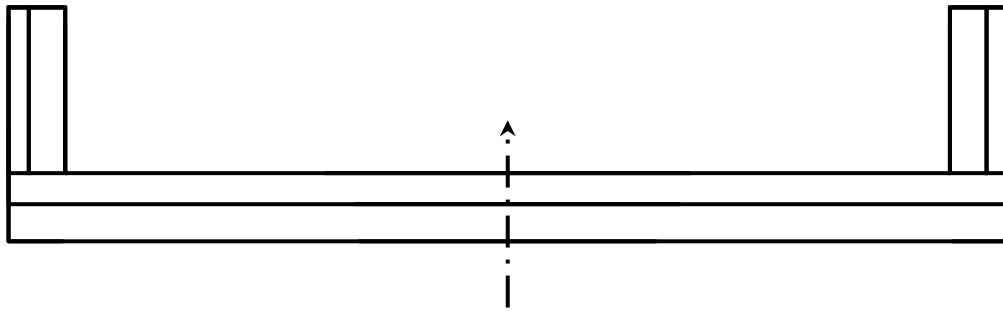
Date 10/04/2016

Bridge Location No. 33 03611 1.01 **over** 33 10024 12.59
County Route Log Mile County Route Log Mile

Wings: G

Walls: G

Bearings: G



cracks are hairline

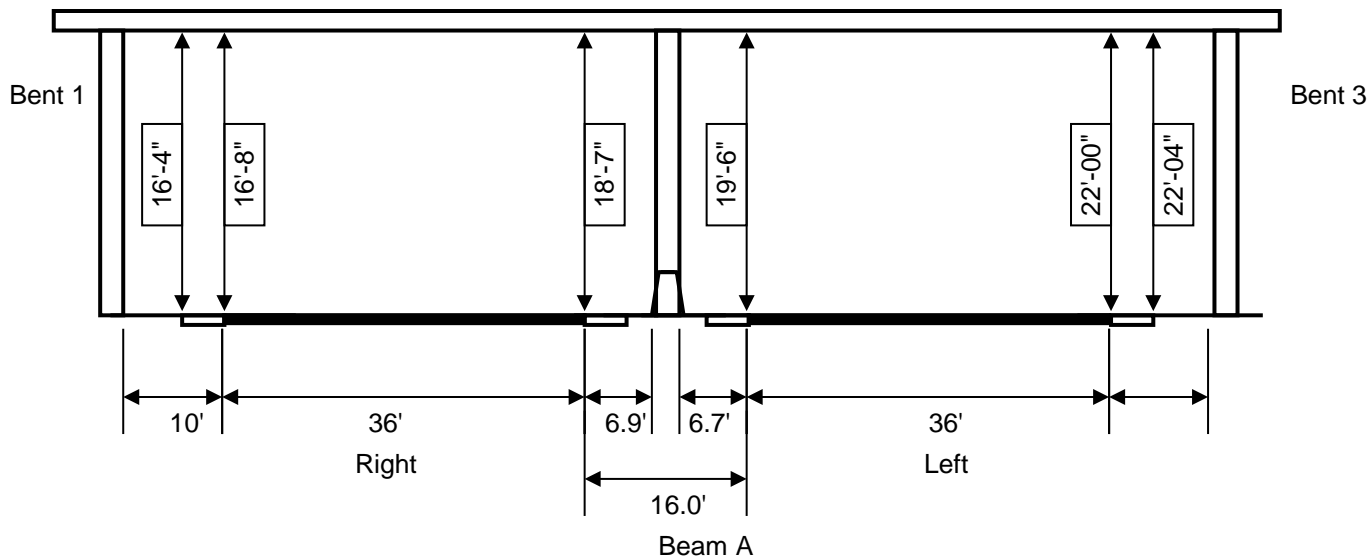


Horizontal and Vertical Clearances

Date 10/04/2016

Bridge Location No. 33 03611 1.01 **over** 33 I0024 12.59
County Route Log Mile County Route Log Mile

Belvoir Ave. →



clearance

BRIDGE MAINTENANCE RECOMMENDATIONS



Tennessee Department
of Transportation

COUNTY: HAMILTON

LOCATION: 33-I0024-12.59-

CO. SEQ.: 2 SPEC. CASE: 0

MILEPOST: 183.53

CROSSING: BELVOIR AVE (FAU 3611)

FED. BRIDGE NO.: 33I00240057

MAINT. DIST.: 33

REPAIR LIST NO.: N

DATE ADDED:

REVISED: 10/11/2012

FACILITY CARRIED:	FAU 3611	NUMBER OF MAIN SPANS:	_____
HIGHWAY SYSTEM:	02-INTERSTATE URBAN	NUMBER OF APPROACH SPANS:	_____
BRIDGE WIDTH (CURB TO CURB):	N/A FT _____ IN	BRIDGE LENGTH (FT):	191
BRIDGE WIDTH (OUT TO OUT):	N/A FT _____ IN	MAXIMUM SPAN LENGTH (FT):	55
APPROACH ROADWAY (W/SHOULDERS):	104 FT _____ 0 IN	SKEW ANGLE (DEGREES):	N/A
MAINTAINED BY: _____			
MAIN SPAN MATERIAL:	PRESTRESSED CONCRETE		
MAIN SPAN DESIGN TYPE:	BOX BEAM OR GIRDERS - MULTIPLE		
APPROACH SPAN MATERIAL: _____			
APPROACH SPAN DESIGN TYPE: _____			
INSPECTION DATE:	10/04/2016	GENERAL CONDITION:	GOOD
EVALUATION DATE:	11/20/2014	STRUCTURALLY DEFICIENT:	_____
PPRM PIN NUMBER:	_____	SUFFICIENCY RATING:	_____
H TRUCK RATING @ INV.:	_____ TONS		

GENERAL COMMENTS:

Underpass Condition Coding Form

County: 33

Route: I0024

Special Case: 0

County Sequence: 2

Bridge Number: 33I002400572
(Includes Item 5A)

Feature Intersected: BELVOIR AVE (FAU 3611)

Log Mile: 12.59

CODE ONLY THOSE VALUES WHICH HAVE CHANGED

ITEM #	DESCRIPTION	VALUE	UNDERPASS SAFETY FEATURES
90	LAST INSPECTION DATE	10/04/2016	
	EARLIEST DATE OF NEXT REGULAR INSPECTION	08/05/2018	
		/ /	
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	16 FT. 4 IN. ____ FT. ____ IN.	515 (A) TYPE UNDERPASS BARRIER COMBINATION OF METAL & CONCRETE BARRIER OR RAIL
			Revised Barrier Type
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	16 FT. 8 IN. ____ FT. ____ IN.	(B) ADEQUACY OF BARRIER OR RAIL 1
47	TOTAL HORIZONTAL UNDERCLEARANCE	52 FT. 9 IN. ____ FT. ____ IN.	(C) ADEQUACY OF TRANSITIONS 1
54	MINIMUM VERTICAL UNDERCLEARANCE (EXCLUDES SHOULDERS)		(D) ADEQUACY OF TERMINALS 0
	Circle One: H R	____ FT. ____ IN.	
55	MINIMUM LATERAL UNDERCLEARANCE ON RIGHT SIDE		554 VERTICAL CLEARANCE LISTED ON HEIGHT POSTING
	Circle One: H R	____ FT. ____ IN.	FT. IN. ____ FT. ____ IN.
56	MINIMUM LATERAL UNDERCLEARANCE ON LEFT SIDE	____ FT. ____ IN.	16 LATITUDE 17 LONGITUDE
			N 35° .6440' W 85° 14.6350'
521	OVERALL CONDITION	GOOD	HEIGHT POSTED AT BOTH APPROACHES? YES [] NO [] N/A []
555	COMMENTS		

TEAM LEADER SIGNATURE

/ /

REVIEW DATE

Underpass Inspection Report

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

Field Report No. 23 Date 10/4/2016
Previous Report No. 22 Date 10/20/2014

Bridge No. 33I00240057
Eleven Digit No. _____

or 33 - 03611 - 0101 over 33 - I0024 - 1259

Railroad/Walkway Bridge Location Underpass Location No.

County _____

Year Constructed 1964 - ACTUAL

Year Widened NA - NA Year Rehabilitated NA - NA

GEOMETRIC FEATURES UNDER BRIDGE

(*. *ft. unless otherwise noted)

Divided Highway Left - WBL Type of Wearing Surface CONCRETE

Width of Approach Traveled Roadway 36.0 ft. (Does Not Include Shoulders)

Width of Median if Divided Highway 2.5 ft.

Approach Shoulder Width 10.0 ft. Right 6.8 ft. Left

*Horizontal Clearance Under Bridge 53 ft.

*Distance Between Pier Protection Guardrail and Substructure 0 ft. Right 0 ft. Left

*Width of Sidewalk Under Bridge NA ft. Right NA ft. Left

*Minimum Vertical Clearance: 19 ft 6 in Location: _____

TRAFFIC SAFETY FEATURES

Barrier Type: TRIMS Item 515A

	Adequacy	Rating	Standard / Nonstandard
Pier Protection	Item 515B -	GOOD	STANDARD
Transitions	Item 515C -	GOOD	STANDARD
Approach Rail		GOOD	STANDARD
Terminal	Item 515D -	FAIR	NONSTANDARD

TEAM LEADER

F. Watkins

INSPECTORS

G. Haas

M. Shelton

J. Edwards

SIGNING

Yes/ No/ Needed

Paddleboards	NO
Vertical Clearance (<14'-6")	NO
Narrow Passage	NO
One Lane Passage	NO

Other Signs or Plaques:

Other Underpass Signs Needed

Problems with Signs:

BRIDGE FEATURES (*.* ft.)

Bridge Skew	<u>90°</u>	Number of Lanes/Tracks on Bridge	<u>4</u>
Structure Type (Main Span)	<u>PCBB</u>	No. Main Spans	<u>4</u>
Structure Type (Appr.Spans)	<u>NA</u>	No. Appr. Spans	<u>0</u>
Maximum Span Length	<u>55.3</u> (ft.)	Total Length	<u>190.5</u> (ft.)
Width of Bridge Out-to-Out	<u>79.5</u> (ft.)	Right Angle to Centerline of Bridge)	
Width of Bridge Along Skew	<u>NA</u> (ft.)	(If Unable to Measure at Right Angle to Centerline of Bridge)	

BRIDGE CONDITION: FAIR

UNDERPASS RATING: _____ TRIMS Item 521

- Potential for bridge elements falling on to roadway below
- Potential is due to failure of major members

Underpass Inspection Comments

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

Underpass Inspection Report

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

Field Report No. 23 Date 10/4/2016
Previous Report No. 22 Date 10/20/2014

Bridge No. 33I00240057
Eleven Digit No.

_____ or _____ over _____
Railroad/Walkway Bridge Location Underpass Location No.

County _____

Year Constructed 1964 - ACTUAL

Year Widened NA - NA

Year Rehabilitated NA - NA

GEOMETRIC FEATURES UNDER BRIDGE

(*.* ft. unless otherwise noted)

Divided Highway	<u>Right - EBL</u>	Type of Wearing Surface	<u>CONCRETE</u>
Width of Approach Traveled Roadway	<u>36.0</u>	ft. (Does Not Include Shoulders)	
Width of Median if Divided Highway		ft.	
Approach Shoulder Width	<u>6.8</u>	ft. Right	<u>10.0</u> ft. Left
*Horizontal Clearance Under Bridge	<u>52.8</u>	ft.	
*Distance Between Pier Protection Guardrail and Substructure	<u>0</u>	ft. Right	<u>0</u> ft. Left
*Width of Sidewalk Under Bridge	<u>NA</u>	ft. Right	<u>NA</u> ft. Left
*Minimum Vertical Clearance:	<u>16 ft 4 in</u>	Location:	_____

TRAFFIC SAFETY FEATURES

Barrier Type: TRIMS Item 515A

	Adequacy	Rating	Standard / Nonstandard
Pier Protection	Item 515B -	GOOD	STANDARD
Transitions	Item 515C -	GOOD	STANDARD
Approach Rail		GOOD	STANDARD
Terminal	Item 515D -	N/A	N/A

TEAM LEADER

F. Watkins

INSPECTORS

G. Haas

M. Shelton

J. Edwards

SIGNING

Yes/ No/ Needed

Paddleboards	NO
Vertical Clearance (<14'-6")	NO
Narrow Passage	NO
One Lane Passage	NO

Other Signs or Plaques:

Other Underpass Signs Needed

Problems with Signs:

BRIDGE FEATURES (*.* ft.)

Bridge Skew	<u>90°</u>	Number of Lanes/Tracks on Bridge	<u>4</u>
Structure Type (Main Span)	<u>PCBB</u>	No. Main Spans	<u>4</u>
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Structure Inventory and Appraisal Sheet (English Units)

ELEMENT CONDITION STATE DATA												
Str Unit	Elm/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4
0	104/1	Pre Clsd Box Girder	ft	4,888	100%	4,876	0%	10	0%	2	0%	0
0	205/1	Re Conc Column	each	18	56%	10	17%	3	28%	5	0%	0
0	215/1	Re Conc Abutment	ft	212	100%	212	0%	0	0%	0	0%	0
0	234/1	Re Conc Pier Cap	ft	240	83%	200	13%	30	4%	10	0%	0
0	301/1	Pourable Joint Seal	ft	410	100%	410	0%	0	0%	0	0%	0
0	313/1	Fixed Bearing	each	104	100%	104	0%	0	0%	0	0%	0
0	316/1	Other Bearing	each	104	100%	104	0%	0	0%	0	0%	0
0	331/1	Re Conc Bridge Railing	ft	376	60%	226	40%	150	0%	0	0%	0