



Hamilton County

Regular Inspection Report

Location: 33-I0075-01.29

Federal ID: 33I00750013

Maintenance Responsibility:

State of Tennessee

Description:

3 Span Bridge

I-75 Southbound

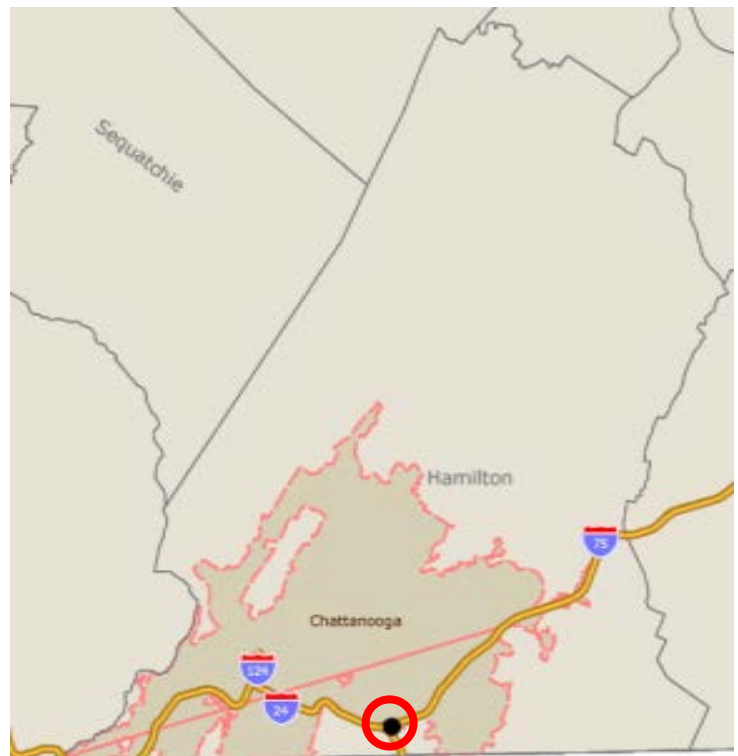
OVER

I-75 NB to I-24 EB

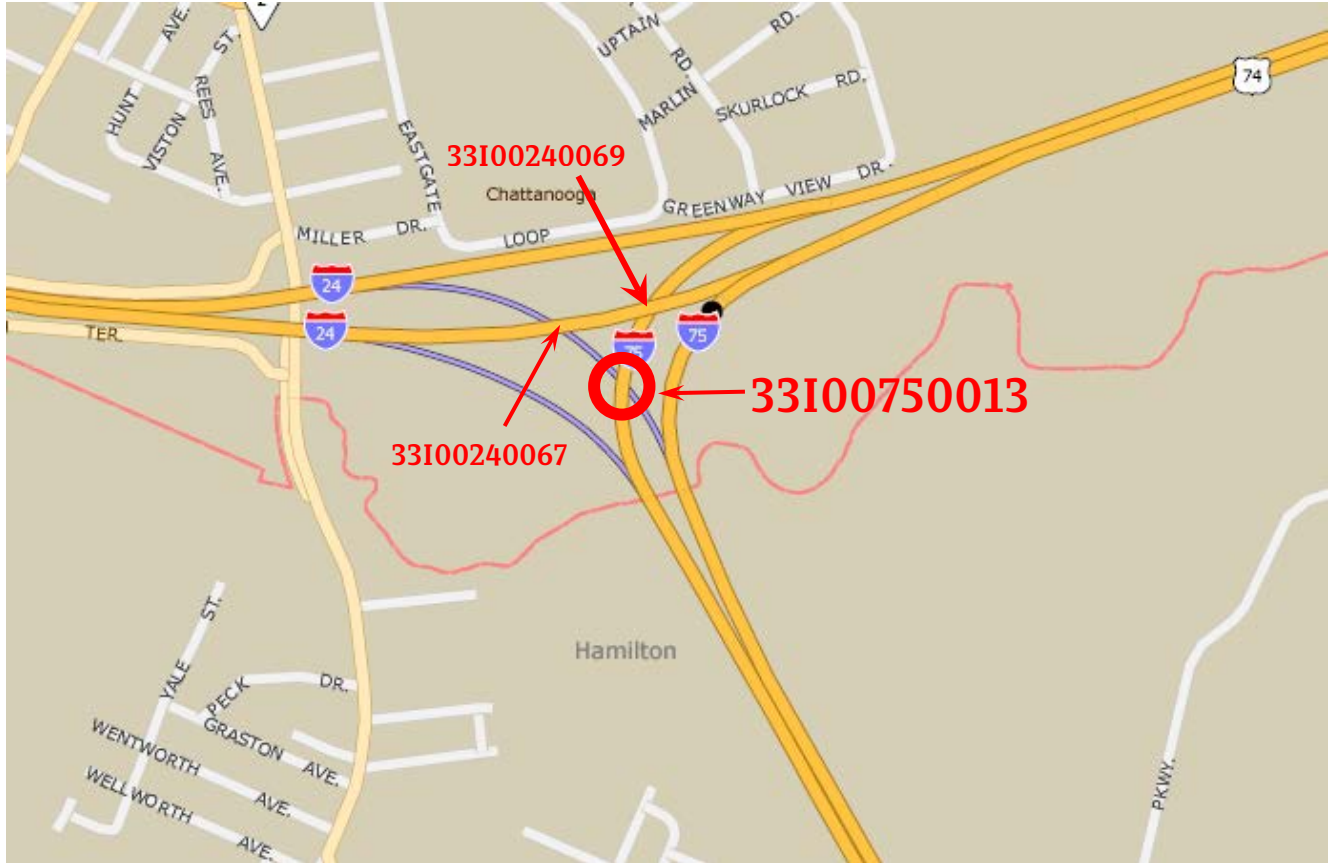
Inspection Date: July 12, 2016

Overall Condition Rating:

FAIR



LOCATION MAP



Direction of Inspection Route
Traffic Direction on Structure

Direction of Underpass Route
Underpass Traffic Direction

BRIDGE MAINTENANCE RECOMMENDATIONS



Tennessee Department
of Transportation

COUNTY: HAMILTON
 LOCATION: 33-I0075-01.29-
 CO. SEQ.: 1 SPEC. CASE: 0
 MILEPOST: 1.23

CROSSING: I75 NB TO I24 WB
 FED. BRIDGE NO.: 33I00750013
 MAINT. DIST.: 33

REPAIR LIST NO.: N
 DATE ADDED: 08/08/2002
 REVISED: 07/18/2016

FACILITY CARRIED:	I-75 SBL	NUMBER OF MAIN SPANS:	3
HIGHWAY SYSTEM:	02-INTERSTATE URBAN	NUMBER OF APPROACH SPANS:	0
BRIDGE WIDTH (CURB TO CURB):	29 FT 10 IN	BRIDGE LENGTH (FT):	148
BRIDGE WIDTH (OUT TO OUT):	36 FT 5 IN	MAXIMUM SPAN LENGTH (FT):	51
APPROACH ROADWAY (W/SHOULDERS):	41 FT 11 IN	SKEW ANGLE (DEGREES):	44
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:	07/12/2016	GENERAL CONDITION:	FAIR
EVALUATION DATE:	08/11/2014	STRUCTURALLY DEFICIENT:	NO
PPRM PIN NUMBER:		SUFFICIENCY RATING:	74.7
H TRUCK RATING @ INV.:	20 TONS		

GENERAL COMMENTS:
 TREES GROWING ON TOP OF BENT CAPS IS INCREASING THE SIZE OF CONCRETE CRACKS.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

Bridge Condition Coding Form

Revised 07/18/2016

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="07/12/2016"/>	(Values for Coding Items 58, 59, 60 and 62)
	EARLIEST DATE OF NEXT REGULAR INSPECTION	<input type="text" value="05/13/2018"/>	
		<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.
520	MINIMUM V.C. OVER DECK (EXCLUDES SHOULDERS)	99 FT. 99 IN.	
36	TRAFFIC SAFETY FEATURES		7 GOOD CONDITION - SOME MINOR PROBLEMS. 6 SATISFACTORY CONDITION - MINOR DETERIORATION OF STRUCTURAL ELEMENTS.
	Br. Rail Trans. Appr. Rail Terminal SPEED LIMIT	1 1 1 1 55	
41	STRC OPEN/CLOSED/POSTED	A	5 FAIR CONDITION - ALL PRIMARY STRUCTURAL ELEMENTS ARE SOUND BUT MAY HAVE MINOR SECTION LOSS, CRACKING, SPALLING OR SCOUR.
	A K P		
58	DECK	6	4 POOR CONDITION - ADVANCED SECTION LOSS, DETERIORATION, SPALLING OR SCOUR.
59	SUPERSTRUCTURE	6	
60	SUBSTRUCTURE	7	3 SERIOUS CONDITION - LOSS OF SECTION, DETERIORATION, SPALLING OR SCOUR HAVE SERIOUSLY AFFECTED PRIMARY STRUCTURAL COMPONENTS. LOCAL FAILURES ARE POSSIBLE. FATIGUE CRACKS IN STEEL OR SHEAR CRACKS IN CONCRETE MAY BE PRESENT.
61	CHANL/CHANL PROTECTION	N	
62	CULVERT AND RETAIN WALL	N	2 CRITICAL CONDITION - ADVANCED DETERIORATION OF PRIMARY STRUCTURAL ELEMENTS. FATIGUE CRACKS IN STEEL OR SHEAR CRACKS IN CONCRETE MAY BE PRESENT OR SCOUR MAY HAVE REMOVED SUBSTRUCTURE SUPPORT. UNLESS CLOSELY MONITORED IT MAY BE NECESSARY TO CLOSE THE BRIDGE UNTIL CORRECTIVE ACTION IS TAKEN.
71	WATERWAY ADEQUACY	N	
72	APPROACH RDWY ALIGNMENT	6	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.
521	OVERALL CONDITION	FAIR	
16	LATITUDE	17 LONGITUDE	0 FAILED CONDITION - OUT OF SERVICE AND BEYOND CORRECTIVE ACTION.
	N 35° .1750'	W 85° 12.7250'	
TEAM LEADER SIGNATURE		REVIEW DATE	

Photographs

Bridge ID#: 33I00750013

Date: 07/12/2016



BRIDGE # - SPAN 1 - BEAM K



LOOKING AHEAD

Photographs



CLEARANCE - AHEAD I75 UNDERPASS



LOOKING BACK

Photographs



RIGHT SIDEVIEW - AHEAD ON UNDERPASS



SPAN 1

Photographs



SPAN 2



SPAN 3

Photographs



BEARINGS - ABUTMENT



BEARINGS - BENT

Photographs



APPROACH 1



TRAFFIC SAFETY FEATURES

BRIDGE INSPECTION REPORT

Page No. _____

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

Field Report No. 23 Date 7/12/2016
Previous Report No. 22 Date 7/7/2014
Plans: DESIGN

Bridge No. 33100750013
Eleven Digit No.

Bridge Location No. 33 - I0075 - 0129
Co. Route Log Mile

I75 SBL over I75 NB RP TO I24 WBL *
Facility Carried by Structure Crossing Structure Name (If Named)
Year Constructed 1959 ACTUAL County _____ Maintenance District 21
Year Widened NA NA Year Rehabilitated NA NA

FEATURES

Wearing Surface ASPHALT Depth 4.0 (in.)
Flared Width NO Median Width NONE
Navigational Control NO Bridge Skew 44 ° LT
Structure Type (Main Span) PCBB
Structure Type (Appr.Spans) NA
No. Main Spans 3 No. Approach Spans 0
Maximum Span Length 61.5 (**.* ft.)
Total Length 155.9 (**.* ft.)

TEAM LEADER

Tays

INSPECTORS

Haas

WIDTHS (*.* ft.)

Deck Out-to-Out 36.5
Roadway Curb/Curb NA
Roadway Rail/Rail 30.0
Sidewalk Rt. NA Lt. NA
*Approach Roadway 24.0
*(Does Not Include Shoulders)
Approach Shoulder Rt. 4.0
Lt. 2.0

CLEARANCES

Min. Vertical Clearance over Deck 99-99 (ft.-in.)
Min. Vertical Under Clearance 16'-11" (ft.-in.)
Min. Lateral Under Clearance Rt. 10.0 (*.* ft.)
Min. Lateral Under Clearance Lt. 6.0 (*.* ft.)

FRACTURE CRITICAL: NO
(If Yes, Include BIR 3.9)

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

UNDERWATER INSPECTION

To Be Performed By: NR Date _____

Change in Structural Condition: NO Major Repairs Made: NO BRIDGE is: OPEN

COMMENTS:

Supervising Bridge Inspector: Tays

BRIDGE RATING: FAIR

PERFORMANCE EVALUATION

Time of Day Inspected PM Weather Conditions Sunny 90 F
 Vehicles Observed ALL TYPES

LIVE LOAD BEHAVIOR

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

APPROACH

	Rating	Comments
Alignment	FAIR	<i>CURVE - requires advanced warning of speed reduction</i>
Slab	NA	
Joints	NONE	
Pavement	GOOD	
Embankment	GOOD	
Drains	GOOD	

TRAFFIC SAFETY FEATURES

	Rating	Standard/ SubStandard	Comments
Bridgerailing	GOOD	STANDARD	
Transitions	GOOD	STANDARD	
Guardrail	GOOD	STANDARD	
Guardrail Terminal	GOOD	STANDARD	

SIGNING

	Yes/ No/ Needed
Paddleboards	YES
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	GOOD	
Deck - Structural Condition	NA	<i>PCBB</i>
Curbs	NONE	
Median	NONE	
Sidewalks	NONE	
Parapet	GOOD	
Railing	GOOD	
Paint	NA	
Drains	NONE	
Lighting Standards	NONE	
Utilities	NONE	
Joint Leakage	FAIR	
Expansion Joints	NV	<i>OVERLAYED</i>

SUPERSTRUCTURE

Bearing Devices	GOOD	<i>Elastomeric pads</i>
Girders or Beams	G-F	<i>HL CRACKS, MAP-CRACKING, DELAMS, REBAR POPOUTS. BEAM "F" VIBRATES UNDER HEAVY LIVE LOADS.</i>
Floor Beams	NA	
Stringers	NA	
Diaphragms	NA	
Bracing	NA	
Trusses - General	NA	
Portals	NA	
Bracing	NA	
Paint	NA	
Alignment of Members	G-F	<i>1" MISALIGNMENT SPAN 3</i>

TEXTURE COAT

Condition Rating	<u>F-P</u>	Needs Spot Painting	<u>NO</u>
Overall Appearance	<u>FAIR</u>	Needs Repainting	<u>NO</u>
Staining Rating	<u>FAIR</u>	Comments	
Fading Rating	<u>FAIR</u>		
Scaling Rating	<u>GOOD</u>		

SUBSTRUCTURE

ABUTMENTS

	Rating	Comments
Caps	GOOD	<i>HL-SM cracks</i>
Breastwall	N/A	
Wings	GOOD	
Backwall	NV	
Plumb	GOOD	
Footing	NA	
Piles	NV	
Embankment	G-F	<i>SETTLED @ #2</i>
Bearing Surface	GOOD	
Slope Paving	G-F	<i>SETTLED</i>
Rip Rap	NA	

PIERS

Caps		
Columns		
Plumb		
Footings		
Piles		
Bearing Surface		

BENTS

Caps	FAIR	<i>HL CRACKS, DELAMS, MINOR SPALLS. VEGETATION.</i>
Columns	GOOD	<i>SPALL, HL CRACKS</i>
Plumb	GOOD	
Footings	NV	
Piles	NV	
Bearing Surface	GOOD	

Piles Need Replacement: NO

Piles To Be Replaced:

Inspection Team's Summary
Bridge Location No. 33 - I0075 - 0129
Inspection Date 7/12/2016
Bridge Rating FAIR

Page No. ____

TYPE SERVICE: I 75 RAMP 'K'
OVER: I75 NB RP TO I24 WBL *

On Tuesday, July 12, 2016, a Region Two bridge inspection team inspected this structure and found it to be in FAIR condition.

TOP OF DECK

Traffic Safety Features

Bridge Rail:	GOOD	STANDARD
Transitions:	GOOD	STANDARD
Approach Rail:	GOOD	STANDARD
Terminals:	GOOD	STANDARD

Wearing Surfaces

Approach Pvm:	GOOD
Deck - Wearing Surface:	GOOD

BOTTOM OF DECK

Deck - Structural Condition:	NA	PCBB
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SUPERSTRUCTURE

Beams:	G-F	HL CRACKS, MAP-CRACKING, DELAMS, REBAR POPOUTS. BEAM "F" VIBRATES UN
Bearings:	GOOD	Elastomeric pads

SUBSTRUCTURE

Abutments

Caps:	GOOD	HL-SM cracks
Breastwall:	N/A	
Wings:	GOOD	
Backwall	NV	
Bearing Surface:	GOOD	

Bents

Caps:	FAIR	HL CRACKS, DELAMS, MINOR SPALLS. VEGETATION.
Columns:	GOOD	SPALL, HL CRACKS
Bearing Surface:	GOOD	

UNDERCLEARANCE

Min Vert Under Clear(ft-in): 16'-11"

SPECIAL NOTES

Beams A & B - filler between beams is loose - Full length

Item 60 - 6 to 7 - HL-SM cracks. No significant issues

All visible concrete elements are in good condition

BRIDGE LOCATION NO. 33 I75 1.27 2.04 DATE: _____
 COUNTY ROUTE LOG MILE LOG km

STATION/ LOCATION	TOP OF LT. CURB/RAIL	GUTTER/ EDGE DECK	CENTERLINE	GUTTER/ EDGE DECK	TOP OF RT. CURB/RAIL
ABUT # 1		214.57		213.51	
BENT # 1		215.01		214.02	
BENT # 2		215.41		214.48	
ABUT # 2		215.58		214.77	

BENCH MARK LOCATION BRIDGE SEAT, ABUT. # 1, RT. SIDE. _____

BENCH MARK ELEVATION 695.98 ft - 212.14 m

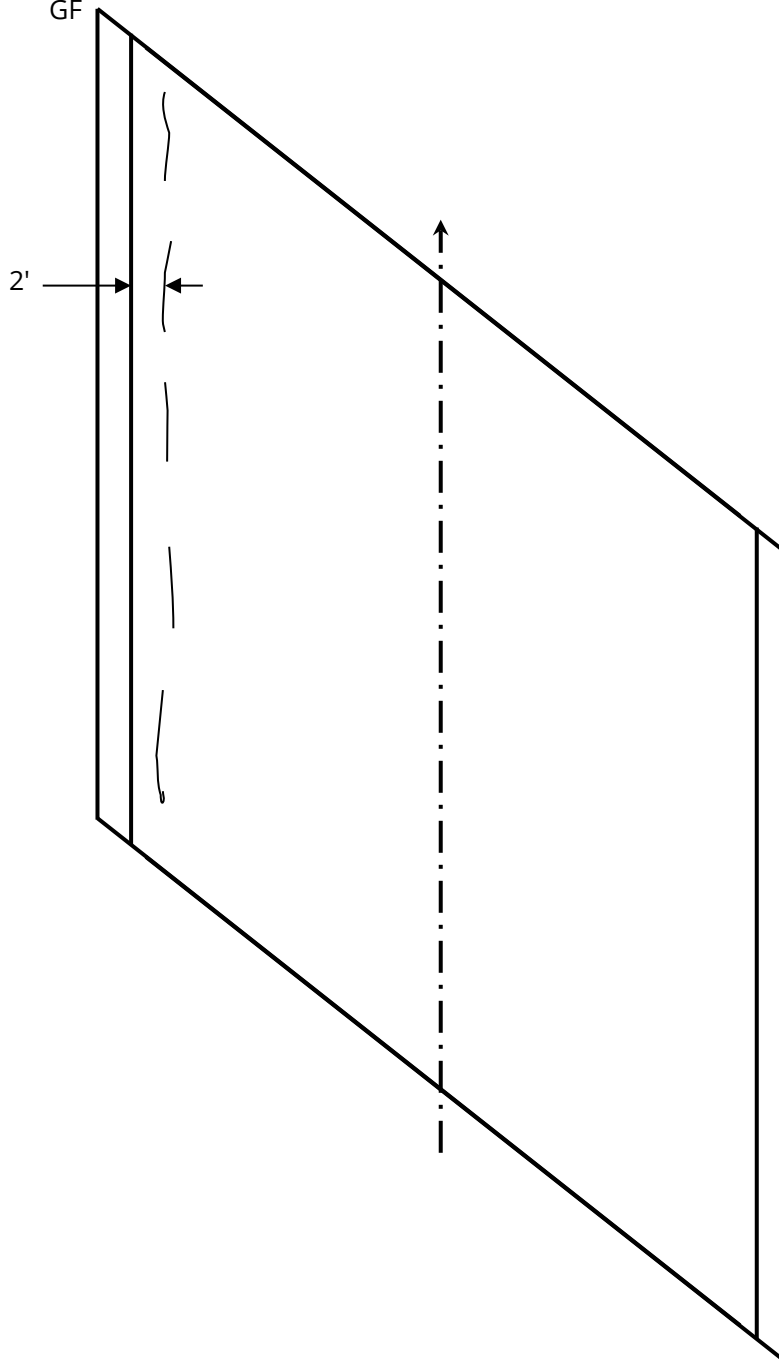
NOTE: ELEVATIONS TAKEN FROM PREVIOUS REPORT.

App Pvmt: G

App Rail: G

Wearing Surface: G

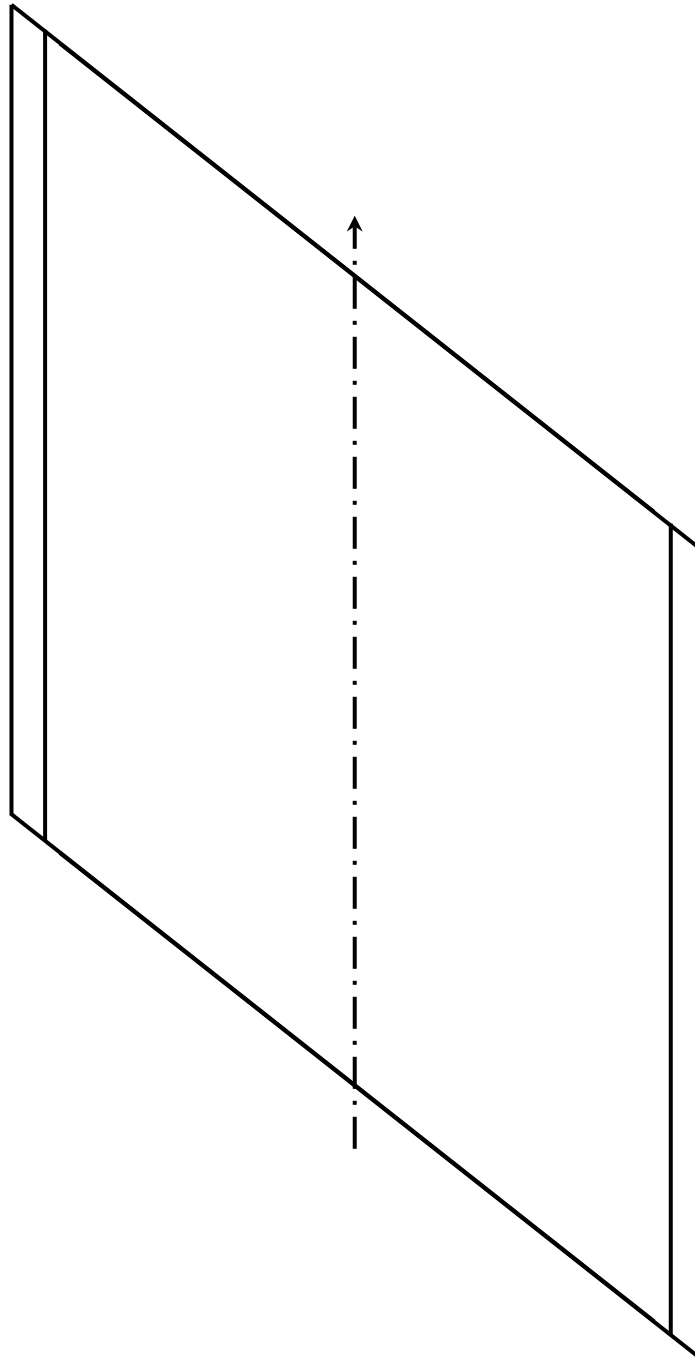
Bridge Rail: GF



2016 Changes in RED

Wearings Surface: G

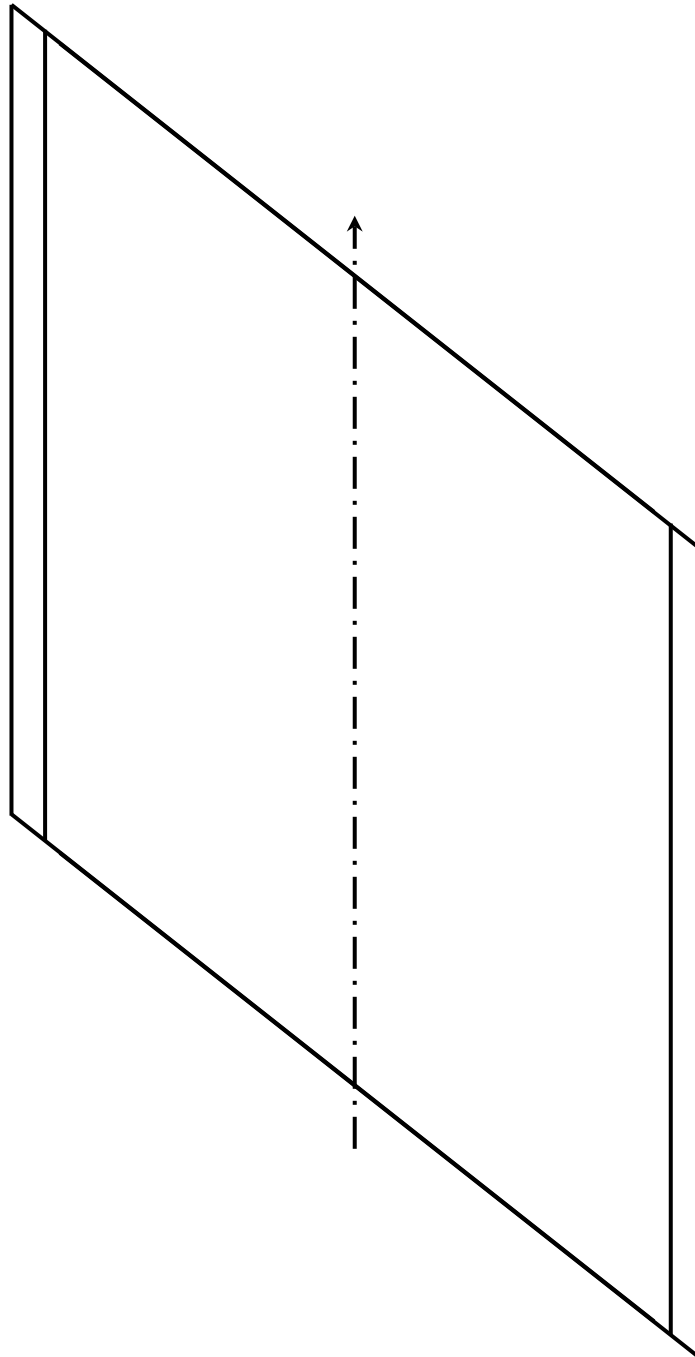
Bridge Rail: G



2016 Changes in RED

Wearing Surface: G

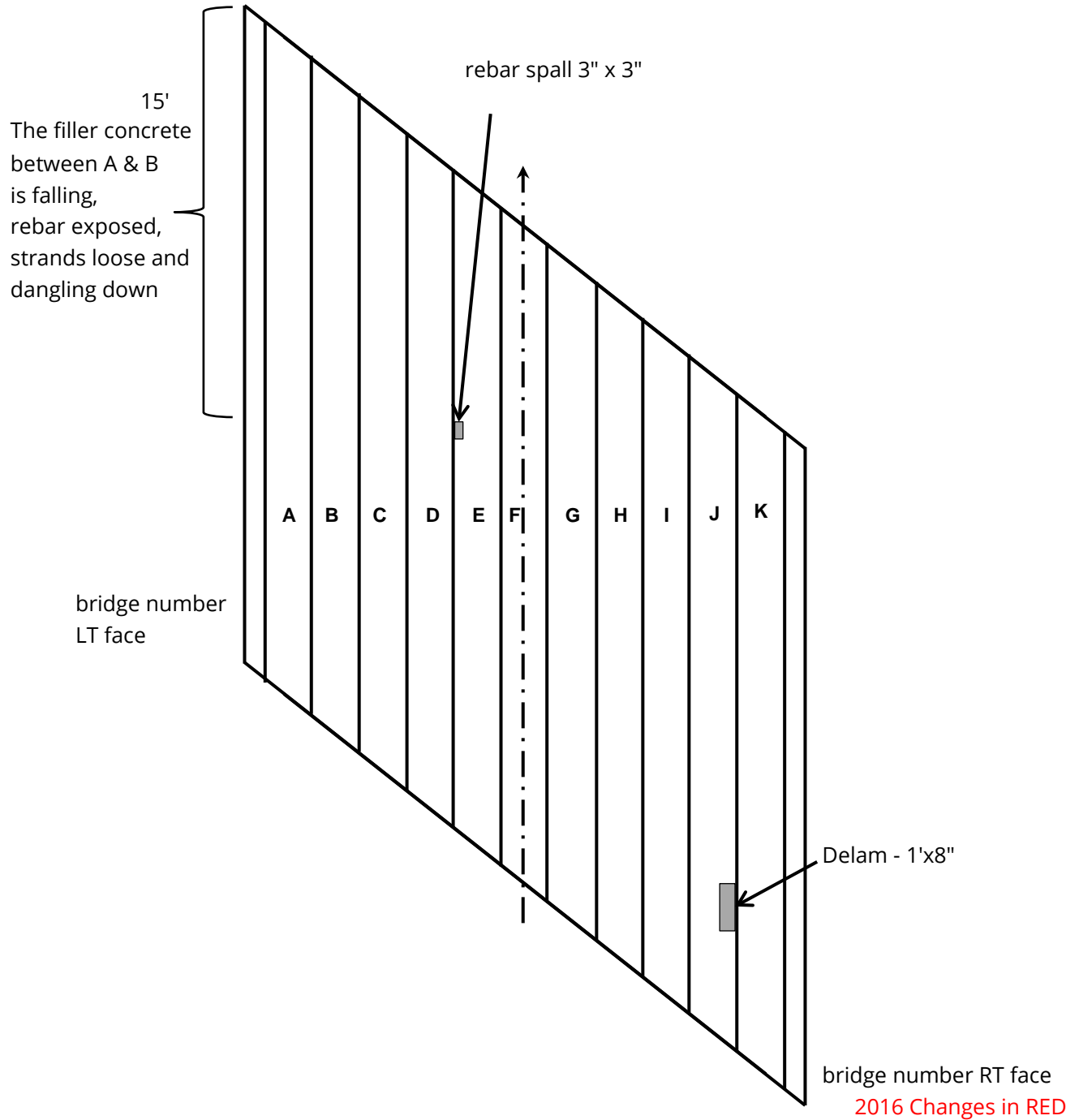
Bridge Rail: GF



2016 Changes in RED

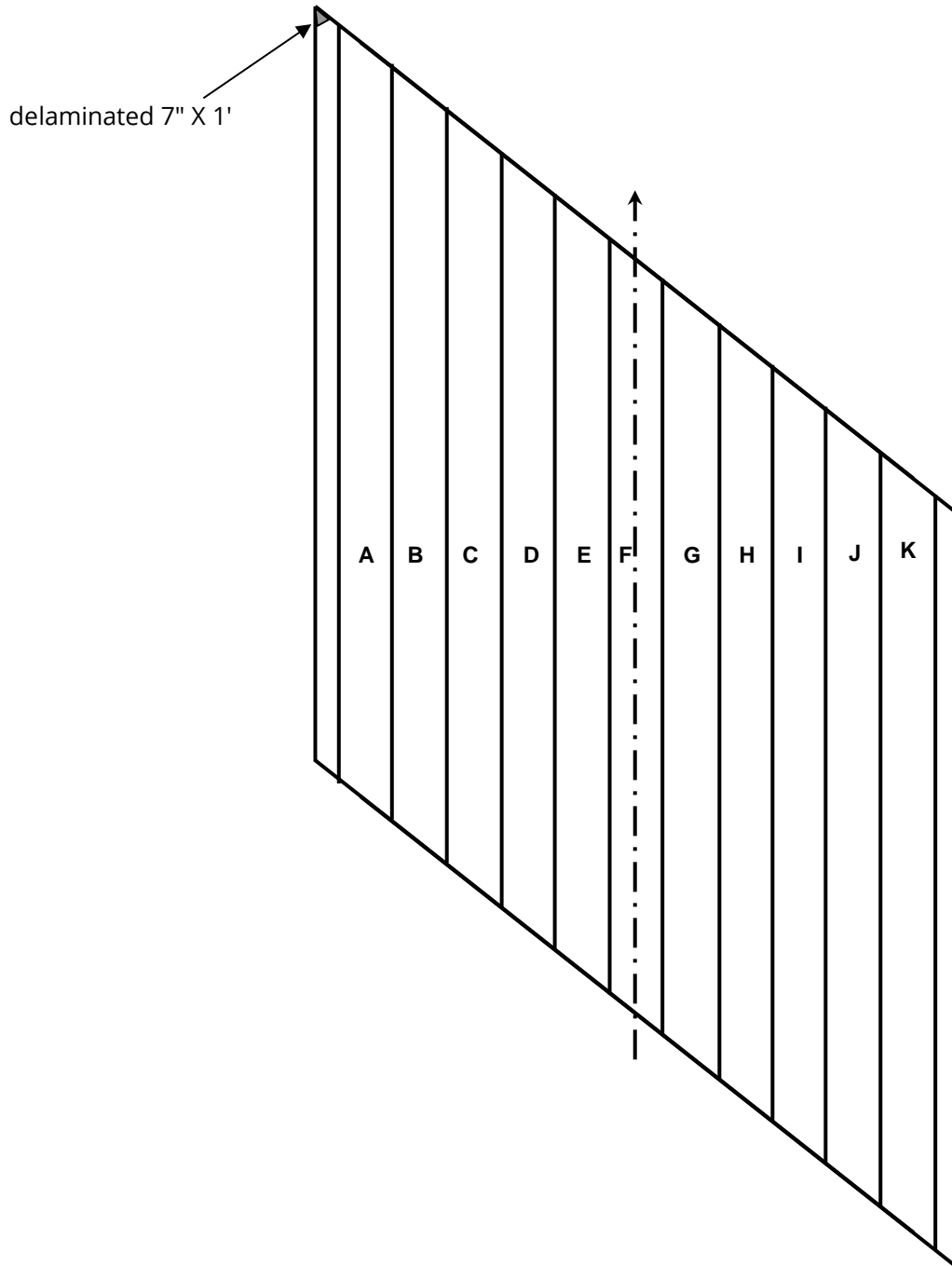
Beams: G

Bearings:	Abutment 1	Fixed	G	Elastomeric pad
	Bent 1	Expansion	G	Elastomeric pad

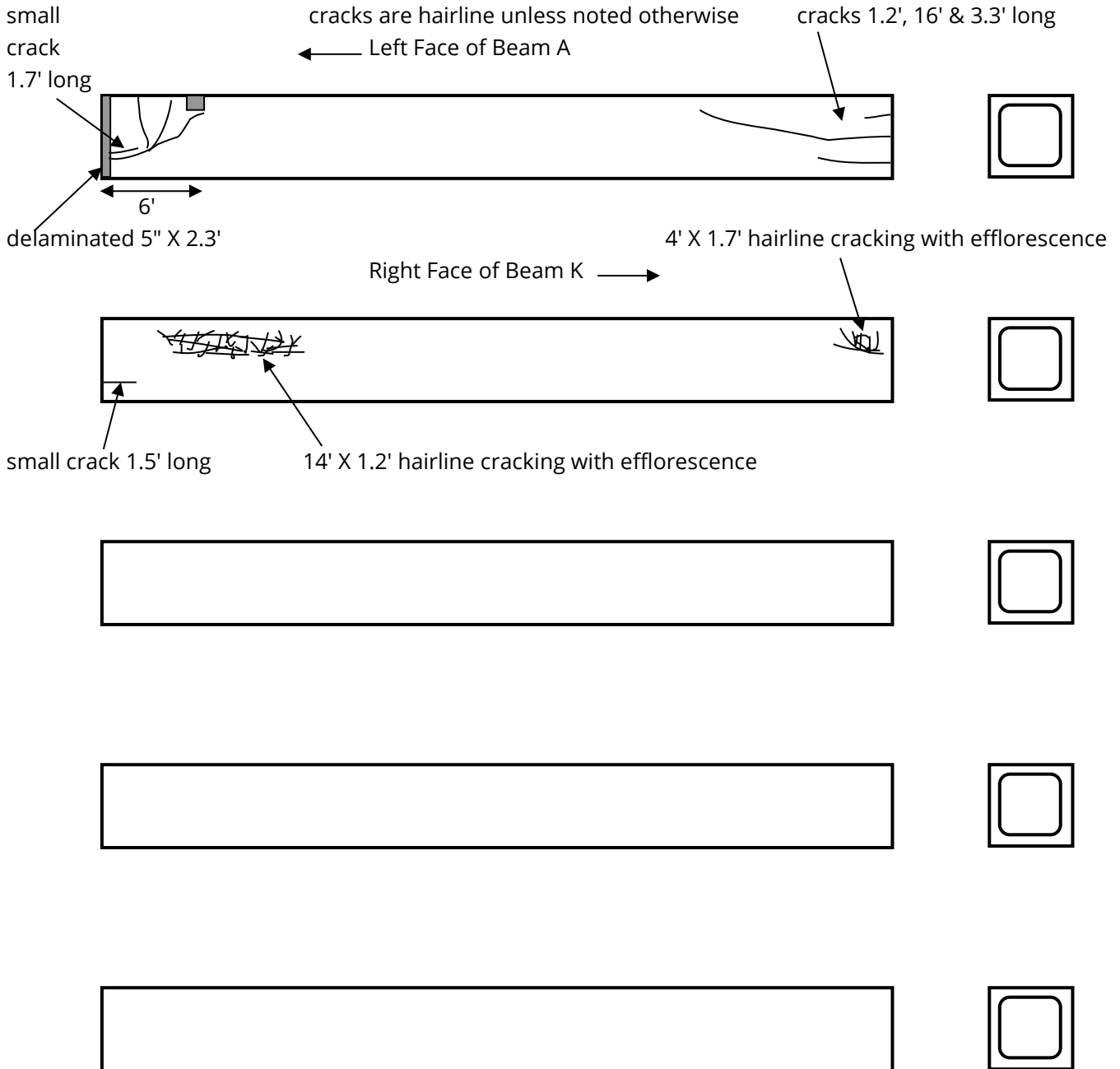


Beams: GF

Bearings:	Bent 1	Fixed	G	Elastomeric Pad
	Bent 2	Expansion	G	Elastomeric Pad



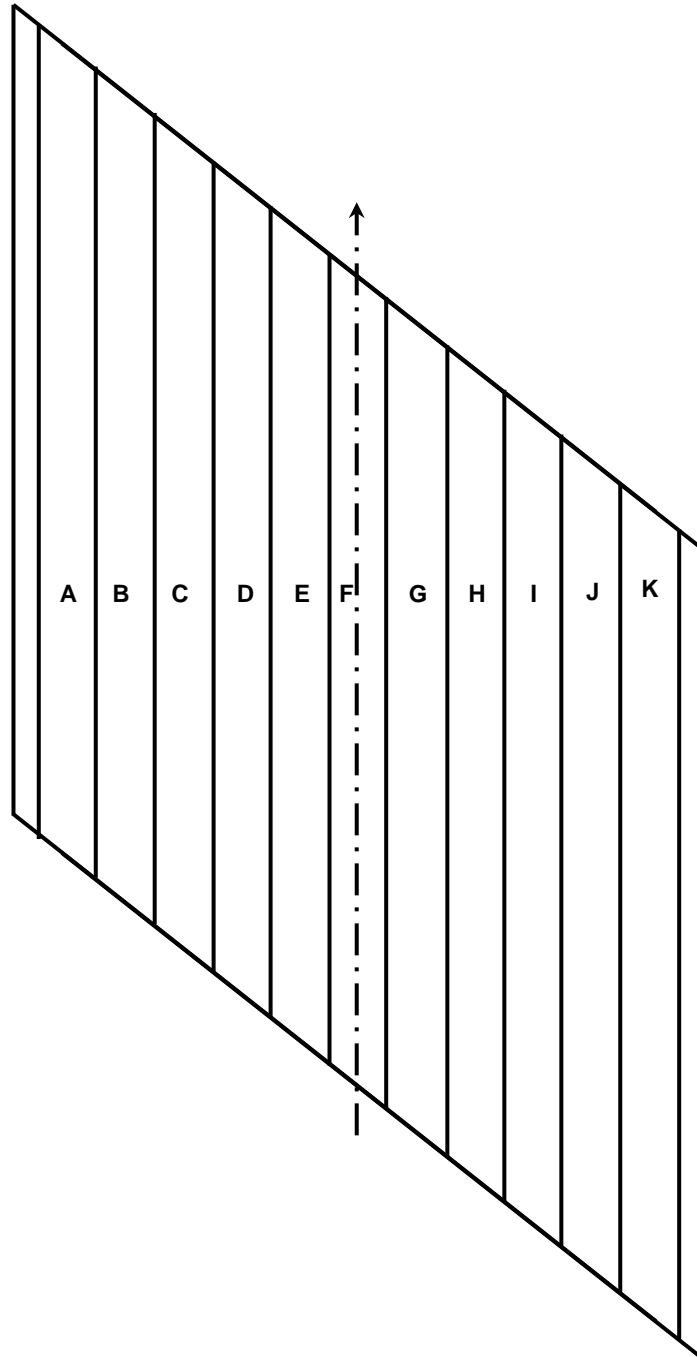
2016 Changes in RED



2016 Changes in RED

Beams: GF

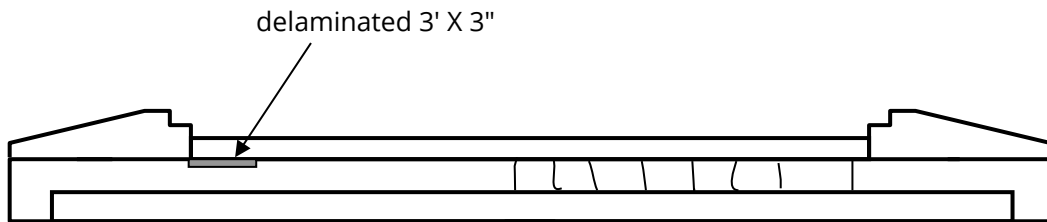
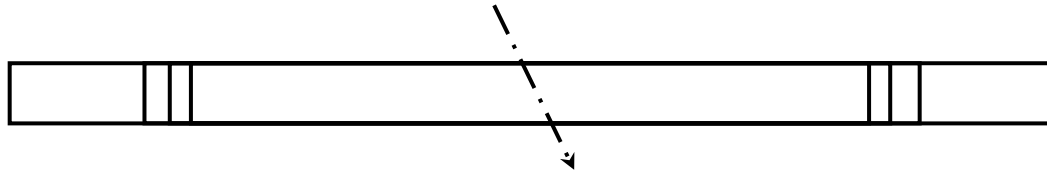
Bearings:	Bent 2	Expansion	G	Elastomeric Pad
	Abutment 2	Fixed	G	Elastomeric Pad



2016 Changes in RED

Walls: G

Slope: G Concrete

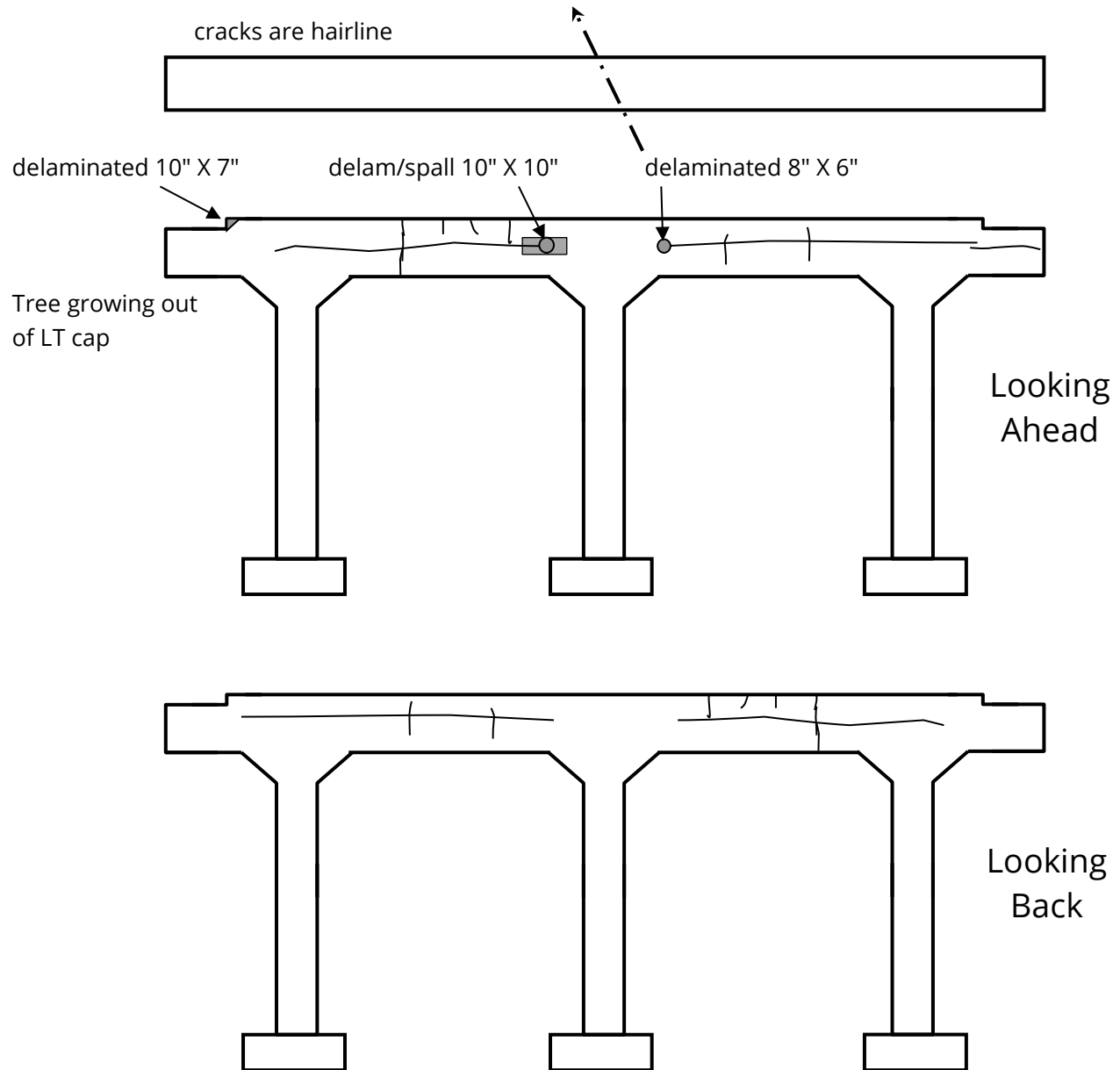


dirt and debris
on slope LT side

2016 Changes in RED

Columns: G

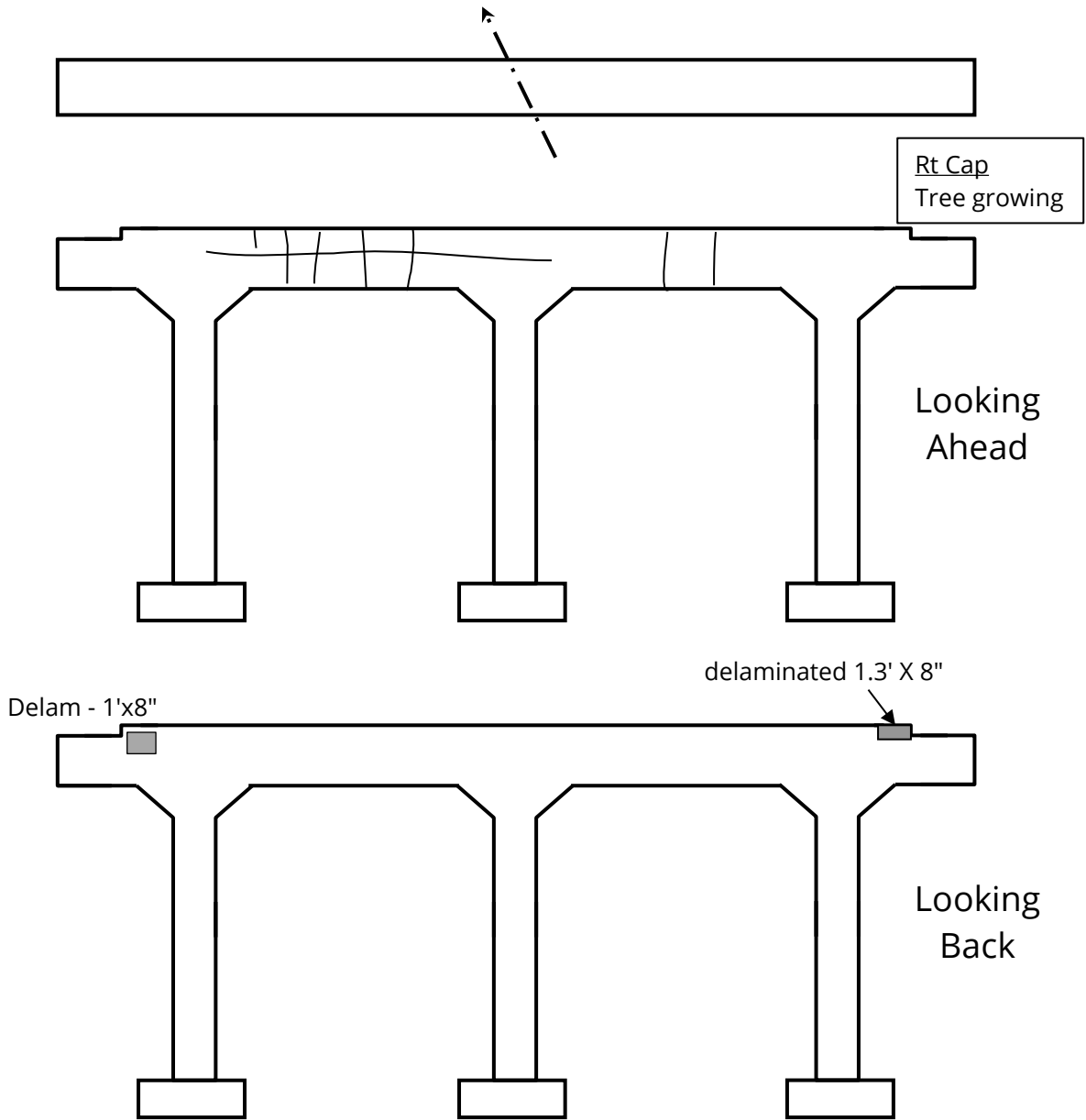
Cap: G



2016 Changes in RED

Columns: G

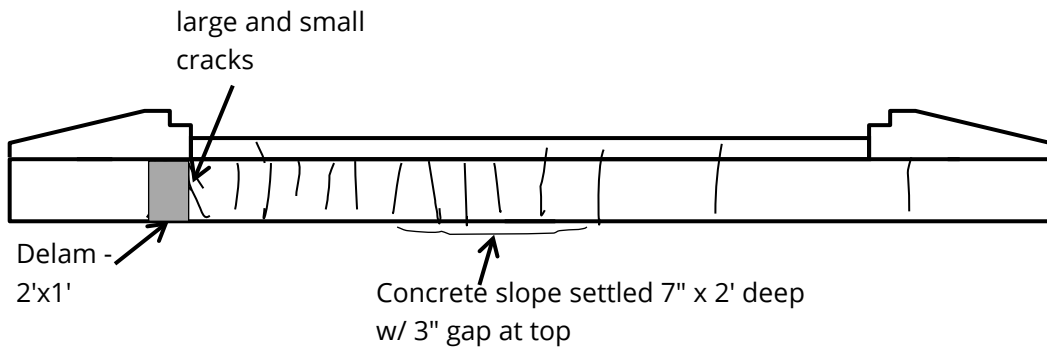
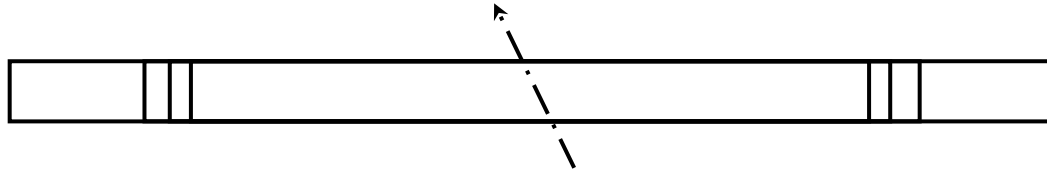
Cap: G



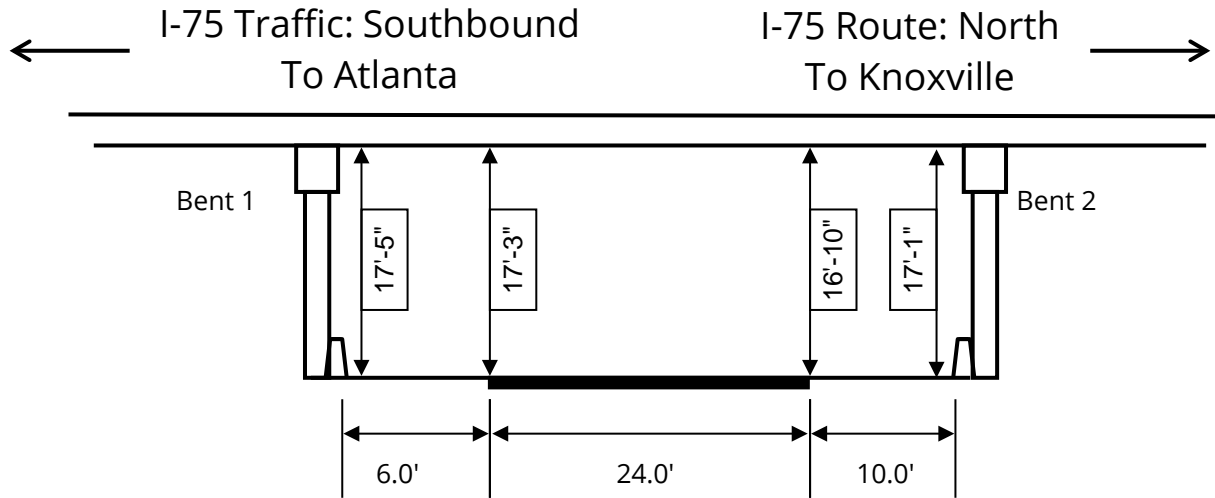
2016 Changes in RED

Walls: G

Slope: G Concrete



2016 Changes in RED



Looking Ahead on I-75 - Toward I-24 EB to Chattanooga

2016 Changes in RED

BRIDGE MAINTENANCE RECOMMENDATIONS



Tennessee Department
of Transportation

COUNTY: HAMILTON
LOCATION: 33-I0075-01.29-
CO. SEQ.: 1 SPEC. CASE: 0
MILEPOST: 1.23

CROSSING: I75 SBL
FED. BRIDGE NO.: 33I00750013
MAINT. DIST.: 33

REPAIR LIST NO.: N
DATE ADDED:
REVISED: 07/10/2012

FACILITY CARRIED:	I75 SBL	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):	148
BRIDGE WIDTH (OUT TO OUT):	N/A FT IN	MAXIMUM SPAN LENGTH (FT):	59
APPROACH ROADWAY (W/SHOULDERS):	41 FT 11 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:	07/12/2016	GENERAL CONDITION:	GOOD
EVALUATION DATE:	08/11/2014	STRUCTURALLY DEFICIENT:	
PPRM PIN NUMBER:		SUFFICIENCY RATING:	
H TRUCK RATING @ INV.:	TONS		

SUGGESTED ROUTINE MAINTENANCE AND COMMENTS
NO RECOMMENDATIONS AT THIS TIME

GENERAL COMMENTS:

Underpass Condition Coding Form

County: 33

Route: I0075

Special Case: 0

County Sequence: 1

Bridge Number: 33I007500132
(Includes Item 5A)

Feature Intersected: I75 SBL

Log Mile: 1.29

CODE ONLY THOSE VALUES WHICH HAVE CHANGED

ITEM #	DESCRIPTION	VALUE	UNDERPASS SAFETY FEATURES
90	LAST INSPECTION DATE	07/12/2016	
	EARLIEST DATE OF NEXT REGULAR INSPECTION	05/13/2018	
		/ /	
10	MINIMUM V.C. OVER DECK (ROADWAY + SHOULDERS)	16 FT. 11 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. 11 IN. ____ FT. ____ IN.	(B) ADEQUACY OF BARRIER OR RAIL 1
47	TOTAL HORIZONTAL UNDERCLEARANCE	40 FT. 0 IN. ____ FT. ____ IN.	(C) ADEQUACY OF TRANSITIONS 1
54	MINIMUM VERTICAL UNDERCLEARANCE (EXCLUDES SHOULDERS)		(D) ADEQUACY OF TERMINALS 1
	Circle One: H R	____ FT. ____ IN.	
55	MINIMUM LATERAL UNDERCLEARANCE ON RIGHT SIDE	Circle One: H R ____ FT. ____ IN.	554 VERTICAL CLEARANCE LISTED ON HEIGHT POSTING
			FT. IN. ____ FT. ____ IN.
56	MINIMUM LATERAL UNDERCLEARANCE ON LEFT SIDE	____ FT. ____ IN.	16 LATITUDE 17 LONGITUDE
			N 35° .1750' W 85° 12.7250'
521	OVERALL CONDITION	GOOD	HEIGHT POSTED AT BOTH APPROACHES? YES [] NO [] N/A []
555	COMMENTS		

TEAM LEADER SIGNATURE

/ /
REVIEW DATE

INSPECTION REPORT FOR UNDERPASS ROUTE

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

Field Report No. 23 Date 7/12/2016
Previous Report No. 22 Date 7/7/2014

Bridge No. 33100750013
Eleven Digit No.

Underpass Location No. 33 - I0075 - 0129
Co. Route Log Mile

OVERPASS or 33 - I0075 - 0129 over 33 - I0075 - 0129
Railroad/Walkway Co. Route Log Mile Co. Route Log Mile

County _____ Structure Name (If Named) _____

Year Constructed 1959 ACTUAL

Year Widened NA NA Year Rehabilitated NA NA

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

Divided Highway NA Type of Wearing Surface ASPHALT

Width of Approach Traveled Roadway 24.0 ft. (Does Not Include Shoulders)

Width of Median if Divided Highway NA ft.

Approach Shoulder Width 10.0 ft. Right 6.0 ft. Left

*Horizontal Clearance Under Bridge 40.0 ft.

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

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

*Minimum Vertical Clearance: 16 ft. 11 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
GOOD	STANDARD
GOOD	STANDARD
GOOD	STANDARD
GOOD	STANDARD

SIGNING

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

TEAM LEADER

Tays

INSPECTORS

Haas

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

Date 7/12/2016

Underpass Location No. 33 - I0075 - 0129
Co. Route Log Mile

Other Signs or Plaques:

Comments Regarding any
Problems with Signing:

BRIDGE FEATURES (*.* ft.)

Bridge Skew <u>44 ° LT</u>	Number of Lanes/Tracks on Bridge <u>2</u>
Structure Type (Main Span) <u>PCBB</u>	No. Main Spans <u>3</u>
Structure Type (Appr.Spans) <u>NA</u>	No. Appr. Spans <u>0</u>
Maximum Span Length <u>61.5</u> (ft.)	Total Length <u>155.9</u> (ft.)
Width of Bridge Out-to-Out <u>36.5</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

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:

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

NOTES:

Beams A & B - filler between beams is loose - Full length

Item 60 - 6 to 7 - HL-SM cracks. No significant issues

All visible concrete elements are in good condition

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	12/1	Re Concrete Deck	sq.ft	5,402	100%	5,402	0%	0	0%	0	0%	0
0	510/1	Wearing Surfaces	sq.ft	5,032	100%	5,032	0%	0	0%	0	0%	0
0	104/1	Pre Clsd Box Girder	ft	1,628	100%	1,628	0%	0	0%	0	0%	0
0	205/1	Re Conc Column	each	6	100%	6	0%	0	0%	0	0%	0
0	215/1	Re Conc Abutment	ft	135	100%	135	0%	0	0%	0	0%	0
0	234/1	Re Conc Pier Cap	ft	92	100%	92	0%	0	0%	0	0%	0
0	310/1	Elastomeric Bearing	each	66	100%	66	0%	0	0%	0	0%	0
0	331/1	Re Conc Bridge Railing	ft	296	100%	296	0%	0	0%	0	0%	0