



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

3 PRIORITY MAINTENANCES (2 CAPS, BULKHEADS)
TEMPORARY REPAIRS (ADDITIONAL POSTS)

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY HAYWOOD BRIDGE NUMBER 430314 INSPECTION CYCLE 2 YRS
ROUTE SR1355 ACROSS CREEK M.P. 0

LOCATION .5 MI.N.JCT.SR1351

SUPERSTRUCTURE TIMBER FLOOR ON TIMBER JOISTS

SUBSTRUCTURE E.BTS:TIM.CAPS/TIM.POST&SILLS/CONC.FOOTINGS

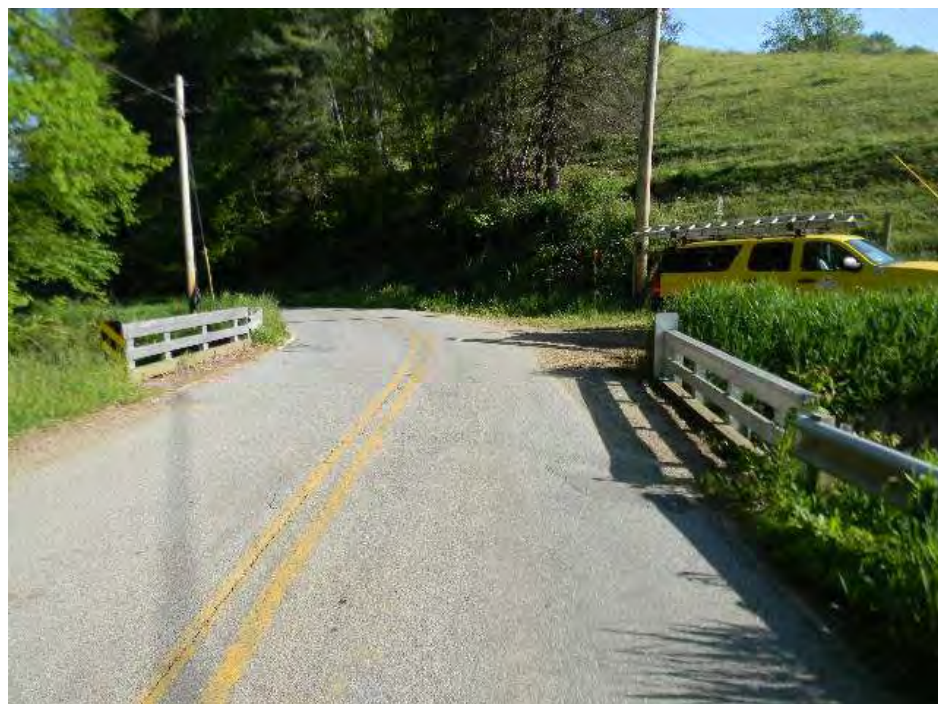
SPANS 1@16'-6

LONGITUDE 82° 58' 59.02" LATITUDE 35° 39' 39.13"

INSPECTION DATE 05/15/2013 PRESENT CONDITION POOR

PRESENT POSTING N **NOT POSTED** PROPOSED POSTING _____

OTHER SIGNS PRESENT DELINEATORS (4)



SOUTH APPROACH

Fracture Critical	<u>No</u>
Temporary Shoring	<u>No</u>
Scour Critical	<u>No</u>
Scour POA	<u>No</u>

SIGN NOTICE ISSUED FOR	NUMBERED REQUIRED
<u>No</u> WEIGHT LIMIT	_____
<u>No</u> DELINEATORS	_____
<u>No</u> NARROW BRIDGE	_____
<u>No</u> ONE LANE BRIDGE	_____
<u>No</u> LOW CLEARANCE	_____

**BRIDGE INSPECTION RECORD AND SUMMARY
FOR SHORED STRUCTURES OR STRUCTURES
WITH TEMPORARY REPAIRS MADE TO KEEP
A BRIDGE OPEN**

BRIDGE: *430314* COUNTY: *Hayward*DATE: *1/23/08*

THE FOLLOWING S. I. & A ITEMS ARE TO BE CODED TO REFLECT THE FACT
THAT THE STRUCTURE IS SHORED OR HAS HAD TEMPORARY REPAIRS MADE
TO KEEP THE BRIDGE OPEN :

	<u>CODE</u>	<u>BY</u>
S I & A ITEM 103 - TEMPORARY STRUCTURE DESIGNATION	<i>T</i>	<i>TSE</i>
S I & A ITEM 59 - SUPERSTRUCTURE		
S I & A ITEM 60 - SUBSTRUCTURE	<i>5</i>	<i>TSE 3/6/08</i>
S I & A ITEM 64 OPERATING RATING		
HS <i>0.0</i>		BY: <i>ML</i>
S I & A ITEM 66 - INVENTORY RATING		
HS <i>0.0</i>		BY: <i>ML</i>

COMMENTS*Ext. posts @ both abutments supplemented.*

NATIONAL BRIDGE INVENTORY----- STRUCTURE INVENTORY AND APPRAISAL

Run Date: 05/21/2013

IDENTIFICATION							
(1) STATE NAME -NORTH CAROLINA	BRIDGE	430314		SUFFICIENCY RATING =	26.21		
(8) STRUCTURE NUMBER(FEDERAL)		00000000870314		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31013550					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2					
(3) COUNTY CODE 87	(4) PLACE CODE	0					
(6) FEATURE INTERSECTED - CREEK							
(7) FACILITY CARRIED SR1355							
(9) LOCATION .5 MI.N.JCT.SR1351							
(11)MILEPOINT		0					
(16)LAT 35° 39' 39.13"	(17)LONG 82° 58' 59.02"						
(98)BORDER BRIDGE STATE CODE	PCT SHARE						
(99)BORDER BRIDGE STRUCTURE NO							
STRUCTURE TYPE AND MATERIAL							
(43) STRUCTURE TYPE MAIN: Wood or Timber							
TYPE - Stringer Mutlibeam or Girder	CODE	702					
(44) STRUCTURE TYPE APPR :							
TYPE -	CODE	000					
(45) NUMBER OF SPANS IN MAIN UNIT		1					
(46) NUMBER OF APPROACH SPANS							
(107)DECK STRUCTURE TYPE - 8	CODE						
(108)WEARING SURFACE / PROTECTIVE SYSTEM :							
(A) TYPE OF WEARING SURFACE -	CODE						
(B) TYPE OF MEMBRANE -	CODE						
(C) TYPE OF DECK PROTECTION -	CODE						
AGE AND SERVICE							
(27) YEAR BUILT		1961					
(106)YEAR RECONSTRUCTED							
(42) TYPE OF SERVICE : ON - Highway							
UNDER - Waterway	CODE	15					
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE		0					
(29) AVERAGE DAILY TRAFFIC		330					
(30) YEAR OF ADT 2011	(109) TRUCK ADT PCT	6%					
(19) BYPASS OR DETOUR LENGTH		4 MI					
GEOMETRIC DATA							
(48) LENGTH OF MAXIMUM SPAN		15 FT					
(49) STRUCTURE LENGTH		17 FT					
(50)CURB OR SIDEWALK: LEFT .3 FT RIGHT .3 FT							
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		23.167 FT					
(52) DECK WIDTH OUT TO OUT		24.167 FT					
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		20 FT					
(33) BRIDGE MEDIAN - No Median	CODE	0					
(34) SKEW 30°	(35) STRUCTURE FLARED	0					
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT					
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		23.167 FT					
(53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9 FT					
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad		0 FT					
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad		000 FT					
(56) MIN LAT UNDERCLEAR LT REF -		000 FT					
NAVIGATION DATA							
(38) NAVIGATION CONTROL - No Navigational Control	CODE	0					
(111)PIER PROTECTION -	CODE						
(39) NAVIGATION VERTICAL CLEARANCE		0					
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR		FT					
(40) NAVIGATION HORIZONTAL CLEARANCE		0 FT					
				CLASSIFICATION			
				(112)NBIS BRIDGE SYSTEM -	NO		
				(104)HIGHWAY SYSTEM Is not on NHS	0		
				(26) FUNCTIONAL CLASS - Local	09		
				(100)STRAHNET HIGHWAY - Not a STRAHNET Route	0		
				(101)PARALLEL STRUCTURE - No Parallel Structure	N		
				(102)DIRECTION OF TRAFFIC - 2-way Traffic	2		
				(103)TEMPORARY STRUCTURE - Temporary Structure/Conditions	T		
				(110)DESIGNATED NATIONAL NETWORK - Not on the National Network	0		
				(20) TOLL On Free Road	3		
				(31) MAINTAIN - State Highway Agency	01		
				(22) OWNER - State Highway Agency	01		
				(37) HISTORICAL SIGNIFICANCE - Not Eligible	5		
				CONDITION			
				(58) DECK	7		
				(59) SUPERSTRUCTURE	7		
				(60) SUBSTRUCTURE	4		
				(61) CHANNEL & CHANNEL PROTECTION	7		
				(62) CULVERTS	N		
				LOAD RATING AND POSTING			
				(31) DESIGN LOAD Unknown	0		
				(63) OPERATING RATING METHOD - Allowable Stress	2		
				(64) OPERATING RATING - HS-1	1		
				(65) INVENTORY RATING METHOD - Allowable Stress	2		
				(66) INVENTORY RATING - HS-1	1		
				(70) BRIDGE POSTING - Posting Required	0		
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED DESCRIPTION - Posted for Load	P		
				APPRAISAL			
				(67) STRUCTURAL EVALUATION	3		
				(68) DECK GEOMETRY	4		
				(69) UNDERCLEARANCES,VERTI & HORIZ	N		
				(71) WATERWAY ADEQUACY	8		
				(72) APPROACH ROADWAY ALIGNMENT	6		
				(36) TRAFFIC SAFETY FEATURES	0000		
				(113)SCOUR CRITICAL BRIDGES	U		
				PROPOSED IMPROVEMENTS			
				(75) TYPE OF WORK -	CODE		
				(76) LENGTH OF STRUCTURE IMPROVEMENT			
				(94) BRIDGE IMPROVEMENT COST			
				(95) ROADWAY IMPROVEMENT COST			
				(96) TOTAL PROJECT COST			
				(97) YEAR OF IMPROVEMENT COST ESTIMATE			
				(114)FUTURE ADT 660	(115) YEAR FUTURE ADT	2025	
				INSPECTIONS			
				(90) INSPECTION DATE	05/15/2013		
				(92) CRITICAL FEATURE INSPECTION :	(93) CFI DATE		
				A) FRACTURE CRIT DETAIL - NO	A)		
				B) UNDERWATER INSP - NO	B)		
				C) OTHER SPECIAL INSP NO	C)		
				SCOUR			

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 05/21/2013

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
HAYWOOD	14	2	430314	17	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1355	CREEK

LOCATED :	BRIDGE NAME :	CITY :
.5 MI.N.JCT.SR1351		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	330 2011	LT 227 RT 227

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1961	BMU	5.9451		Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :	ON	2	UNDER	0
			TAN	120					

NAVIGATION :	VC	0	FT	HC	0	FT	HT. CRN. TO BED :	7	FT	WATER DEPTH :	1	FT
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SUPERSTRUCTURE : TIMBER FLOOR ON TIMBER JOISTS

SUBSTRUCTURE : E.BTS:TIM.CAPS/TIM.POST&SILLS/CONC.FOOTINGS

SPANS : 1@16'-6

BEAMS OR GIRDERS : 23 LINES 6X12 TIMBER JOISTS @ 1' CENTERS

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
3X4 TIM/4 AWS		24.167 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
23.167 FT	23.833 FT	LT .3 FT RT .3 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	0	DATE	05/21/2013
HS-1	HS-1	Ext.jsts	SV 6				

SYSTEM :	GREEN LINE ROUTE :
Secondary S.R. Route	N

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection
 BRIDGE NO. 430314 COUNTY HAYWOOD ROUTE SR1355 OVER CREEK
 STRUCTURE TYPE TIMBER FLOOR ON TIMBER JOISTS
 ROUTE ORIENTATION S - N SPANS 1@16'-6

EVALUATION CODES: CRITICAL (C, 0 - 3); POOR (P, 4); FAIR (F, 5, 6); GOOD (G, 7 - 9)

INSPECTION ITEM				ITEM 61			
DECK ITEMS			GRADES				
1. WEARING SURFACE			G	45. CHANNEL & CHANNEL PROT.	a. WATERWAY	G	
					b. ALIGNMENT	F	
					c. SCOUR	F	
					d. SLOPE PROT., RIP-RAP, DIKES, ETC.		
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58	a. CONCRETE			50. APPROACH ROADWAY CONDITION			F
	b. TIMBER	1	G	51. APPROACH SLABS			
	c. STEEL PLANK			52. PAINT SYSTEM			CODE
	d. OPEN GRID			53. UTILITIES			
3. RAILING	a. CONCRETE			54. RESPONSE TO LIVE LOAD			G
	b. TIMBER		F	55. ESTIMATED REMAINING LIFE			8
	c. ALUMINUM						
	d. STEEL						
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			G				
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)				60. REGULATORY SIGN NOTICE ISSUED			NO
6. DECK EXP JTS. OR DEVICES. NO. OF EACH	a. STEEL PL OR FINGER			61. PROMPT-ACTION NOTICE ISSUED			YES
	b. MISC PREFAB			62. PRESENTLY POSTED			NO
	c. COMPRESSION SEAL			63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			3
	d. STANDARD JOINTS			64. TOTAL SNOOPER INSP. TIME (HRS)			
	e. OPEN JOINTS			65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)			
7. DECK DEBRIS (INCLUDES EXCESS SAND/GRAVEL)			F				
				70. SI&A GENERAL CONDITION RATINGS			
SUPER STR. (FM. 1 (90)B TRUSS) ITEM 59				a. DECK	ITEM 58	7	
10. LONGITUDINAL BEAMS OR GIRDERS				b. SUPERSTRUCTURE	ITEM 59	7	
11. LONGITUDINAL JOIST OR STRINGERS			G	c. SUBSTRUCTURE	ITEM 60	4	
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S				d. CHANNEL & CHANNEL PROT.	ITEM 61	7	
13. END DIAP'S, CURTAIN WALLS, & CONN'S							
14. FLOOR BEAMS AND CONNECTIONS				71. SI&A FIELD APPRAISAL RATINGS			
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)				a. WATERWAY ADAQUACY		8	
16. DRAINAGE SYSTEM (ON STRUCTURE)			G	b. APPR. RDWY. ALIGNMENT		6	
17. MOVABLE SPAN MACHINERY							
				72. FIELD SCOUR EVALUATION			L
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)							
35. TIM SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS		P	USE OF INSP. ACCESSIBILITY EQUIPMENT			
	b. PILES, POST, SILLS, & BRACING		F	SNOOPER (CODE S, 4, OR N)	HRS	NO	
	c. BULKHEADS, WING'S, & TIE BACKS		P	LADDER		NO	
36. CONC SUB STR.	a. ABUT. & INT. BENT CAPS			BUCKET TRUCK			NO
	b. ABUT. & BENT COL'S BREASTWALLS			BOAT			NO
	c. ABUT. & INT. BENT PILES			OTHER			NO
	d. BACKWALLS, WING'S, RETAIN. WALLS		F				
	e. ABUT. & BENT FOOTINGS & SILLS		F				
37. STEEL SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS			SPECIAL INSPECTION REQUESTED FOR			
	b. PILES, BRACING, AND BULKHEADS						
38. FOUNDATION PILES TYPE MATERIAL				NOTE			
39. SLOPE PROT., RIP-RAP (INCLUDE DRAINAGE)							
40. FENDER SYSTEMS				80. INSPECTED BY:	7/1		
41. DRIFT			G	81. REVIEWED BY:			

Bridge I&A Form 1(82)H State of North Carolina Dept. of Transportation Division of Highways		FIELD INSPECTION REPORT <u>Bridge Inspeccion & Analysis</u>	
Team Leader DELVIN ADAMS			
Assisted By JCH			
Item No.	Grade		
1	G	WEARING SURFACE HAS A FEW MOST TRANSVERSE CRACKS.	
7	F	2" DEEP DIRT BUILDUP ALONG THE WHEELGUARDS HINDERING DRAINAGE.	
35b	F	TEMPORARY REPAIRS WITH ADDITIONAL POST ADDED ADJACENT TO THE ORIGINAL EXTERIOR POSTS.	
35c	P	NW WING 3RD BOARD FROM THE TOP HAS COMPLETE DECAY EXPOSING THE FILL. THERE IS SCATTERED DECAY THROUGHOUT THE WING. THIS WING IS INCLUDED IN THE PRIORITY MAINTENANCE FOR THE BULKHEADS. ABUTMENT 2 BULKHEAD BOARDS AT THE NE CORNER HAVE COMPLETE DECAY EXPOSING THE BACKFILL. THE STREAM FLOWS TOWARD THIS AREA. A PRIORITY MAINTENANCE IS BEING ISSUED FOR BOTH BULKHEADS AND ALL TIMBER WINGS. ABUTMENT 1 BULKHEAD AT THE SE CORNER HAS COMPLETE DECAY EXPOSING THE FILL. THIS AREA IS INCLUDED IN THE PRIORITY MAINTENANCE ISSUED FOR THE BULKHEADS.	
36e	F	DETERIORATION AT DOWNSTREAM END ABUTMENT 1 FOOTING.	
50	F	4' LONG X 3' WIDE PATCH AT THE NW CORNER HAS MAP CRACKING WITH ADDITIONAL CRACKING AND 1/2" SETTLEMENT ALONG THE FILLFACE. SE DELINEATOR IS MOSTLY HIDDEN BY HIGH GRASS.	
61	YES	3 PRIORITY MAINTENANCES (2 CAPS, BULKHEADS)	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430314

County HAYWOOD

Date: 05/15/2013

These Repairs Should Be Made Within Twelve Months From Date Of This Inspection

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3344	Repair / Replace Timber Substructure Components	LF	8	RIGHT END OF ABUTMENT 1 CAP HAS 95% LOSS UNDER THE 2 EXTERIOR JOISTS. DECAY EXTENDS 5' INTO THE CAP UNDER THE 5 EXTERIOR JOISTS. A PRIORITY MAINTENANCE IS BEING ISSUED FOR THIS CAP.	
 3344	Repair / Replace Timber Substructure Components	LF	2	6" WIDE X 11" HIGH X 10" DEEP DECAY IN THE LEFT END OF ABUTMENT 2 CAP EXTENDS UNDER THE 2 EXTERIOR JOISTS. A PRIORITY MAINTENANCE IS BEING RE-ISSUED FOR THIS CAP.	
 3346	Repair / Maintain Timber Wings & Blkhds	SF	300	ABUTMENT 2 BULKHEAD BOARDS AT THE NE CORNER HAVE COMPLETE DECAY EXPOSING THE BACKFILL. THE STREAM FLOWS TOWARD THIS AREA. A PRIORITY MAINTENANCE IS BEING ISSUED FOR BOTH BULKHEADS AND ALL TIMBER WINGS.	
2816	Asphalt Surface Repair or Replacement	SY	10	4' LONG X 3' WIDE PATCH AT THE NW CORNER HAS MAP CRACKING WITH ADDITIONAL CRACKING AND 1/2" SETTLEMENT ALONG THE FILLFACE.	
2816	Asphalt Surface Repair or Replacement	SY	10	WEARING SURFACE HAS A FEW MOST TRANSVERSE CRACKS.	
2910	Manual Brush and Tree Control	LF	20	SE DELINEATOR IS MOSTLY HIDDEN BY HIGH GRASS.	
3346	Repair / Maintain Timber Wings & Blkhds	SF	40	NW WING 3RD BOARD FROM THE TOP HAS COMPLETE DECAY EXPOSING THE FILL. THERE IS SCATTERED DECAY THROUGHOUT THE WING. THIS WING IS INCLUDED IN THE PRIORITY MAINTENANCE FOR THE BULKHEADS.	
3346	Repair / Maintain Timber Wings & Blkhds	SF	40	ABUTMENT 1 BULKHEAD AT THE SE CORNER HAS COMPLETE DECAY EXPOSING THE FILL. THIS AREA IS INCLUDED IN THE PRIORITY MAINTENANCE ISSUED FOR THE BULKHEADS.	
3352	Maint Slope Protection	SF	3	SW WING HAS CONCRETE SCOUR PROTECTION POURED ALONG THE BASE WHICH IS UNDERMINED 4" HIGH X 3' LONG X 6" DEEP.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430314

County HAYWOOD

Date: 05/15/2013

These Repairs Should Be Made Within Twelve Months From Date Of This Inspection

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3352	Maint Slope Protection	SF	5	NW WING HAS CONCRETE SCOUR PROTECTION ALONG THE MID-AREA BUT PROTECTION IS UNDERMINED. 2" DEEP DIRT BUILDUP ALONG THE WHEELGUARDS HINDERING DRAINAGE.	
3376	Clean/Wash Bridge Decks	SF	33		

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430314

County HAYWOOD

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	8 LF
Location:		
Abutment Substructure	Bent/Span No. 1	ABUTMENT 1 CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/15/2013	DELVIN ADAMS	JOE HUNTSINGER
Details		
RIGHT END OF ABUTMENT 1 CAP HAS 95% LOSS UNDER THE 2 EXTERIOR JOISTS. DECAY EXTENDS 5' INTO THE CAP UNDER THE 5 EXTERIOR JOISTS. A PRIORITY MAINTENANCE IS BEING ISSUED FOR THIS CAP.		

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	2 LF
Location:		
Abutment Substructure	Bent/Span No. 2	ABUTMENT 2 CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/15/2013	DELVIN ADAMS	JOE HUNTSINGER
Details		
6" WIDE X 11" HIGH X 10" DEEP DECAY IN THE LEFT END OF ABUTMENT 2 CAP EXTENDS UNDER THE 2 EXTERIOR JOISTS. A PRIORITY MAINTENANCE IS BEING RE-ISSUED FOR THIS CAP.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430314 County HAYWOOD

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3346	Repair / Maintain Timber Wings & Blkhds	300 SF
Location:		
Abutment Substructure	Bent/Span No. 1	BOTH BULKHEADS
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/15/2013	DELVIN ADAMS	JOE HUNTSINGER
Details		
ABUTMENT 2 BULKHEAD BOARDS AT THE NE CORNER HAVE COMPLETE DECAY EXPOSING THE BACKFILL. THE STREAM FLOWS TOWARD THIS AREA. A PRIORITY MAINTENANCE IS BEING ISSUED FOR BOTH BULKHEADS AND ALL TIMBER WINGS.		



4' LONG X 3' WIDE PATCH AT THE NW CORNER HAS MAP CRACKING WITH ADDITIONAL CRACKING AND 1/2" SETTLEMENT ALONG THE FILLFACE.



WEARING SURFACE HAS A FEW MOST TRANSVERSE CRACKS.



2" DEEP DIRT BUILDUP ALONG THE WHEELGUARDS HINDERING DRAINAGE.



SE DELINEATOR IS MOSTLY HIDDEN BY HIGH GRASS.



NW WING HAS CONCRETE SCOUR PROTECTION ALONG THE MID-AREA BUT PROTECTION IS UNDERMINED.



NW WING 3RD BOARD FROM THE TOP HAS COMPLETE DECAY EXPOSING THE FILL. THERE IS SCATTERED DECAY THROUGHOUT THE WING. THIS WING IS INCLUDED IN THE PRIORIT



6" WIDE X 11" HIGH X 10" DEEP DECAY IN THE LEFT END OF ABUTMENT 2 CAP EXTENDS UNDER THE 2 EXTERIOR JOISTS. A PRIORITY MAINTENANCE IS BEING RE-ISSUED F



SW WING HAS CONCRETE SCOUR PROTECTION POURED ALONG THE BASE WHICH IS UNDERMINED 4" HIGH X 3' LONG X 6" DEEP.



RIGHT END OF ABUTMENT 2 CAP HAS 2" WIDE X FULL HEIGHT X 2" DEEP DECAY ON THE CORNER AGAINST THE BULKHEAD.



ABUTMENT 2 BULKHEAD BOARDS AT THE NE CORNER HAVE COMPLETE DECAY EXPOSING THE BACKFILL. THE STREAM FLOWS TOWARD THIS AREA. A PRIORITY MAINTENANCE IS BE



ABUTMENT 1 BULKHEAD AT THE SE CORNER HAS COMPLETE DECAY EXPOSING THE FILL. THIS AREA IS INCLUDED IN THE PRIORITY MAINTENANCE ISSUED FOR THE BULKHEADS.

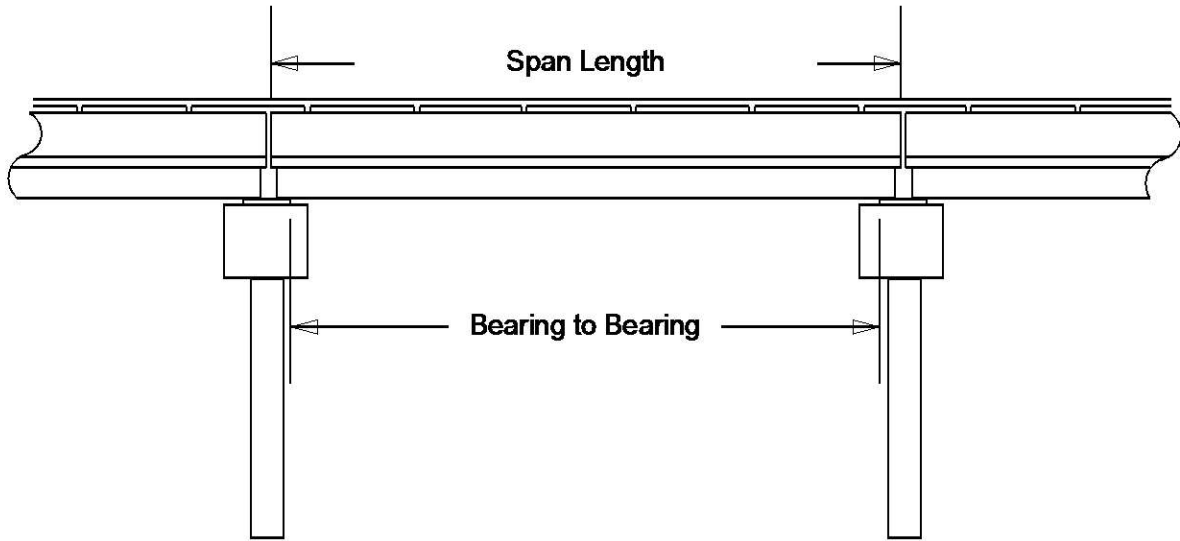


RIGHT END OF ABUTMENT 1 CAP HAS 95% LOSS UNDER THE 2 EXTERIOR JOISTS. DECAY EXTENDS 5' INTO THE CAP UNDER THE 5 EXTERIOR JOISTS. A PRIORITY MAINTENANC

Structure Data Worksheet

Spans

County: HAYWOOD Structure No: 430314 Date: 05/15/2013 Inspected By: DJA



Span No	Span Length	Bearing to Bearing	Comments
1	16'- 6"	15'- 0"	NBIS < 20'

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 430314 County: HAYWOOD Date: 05/15/2013 By: DJA

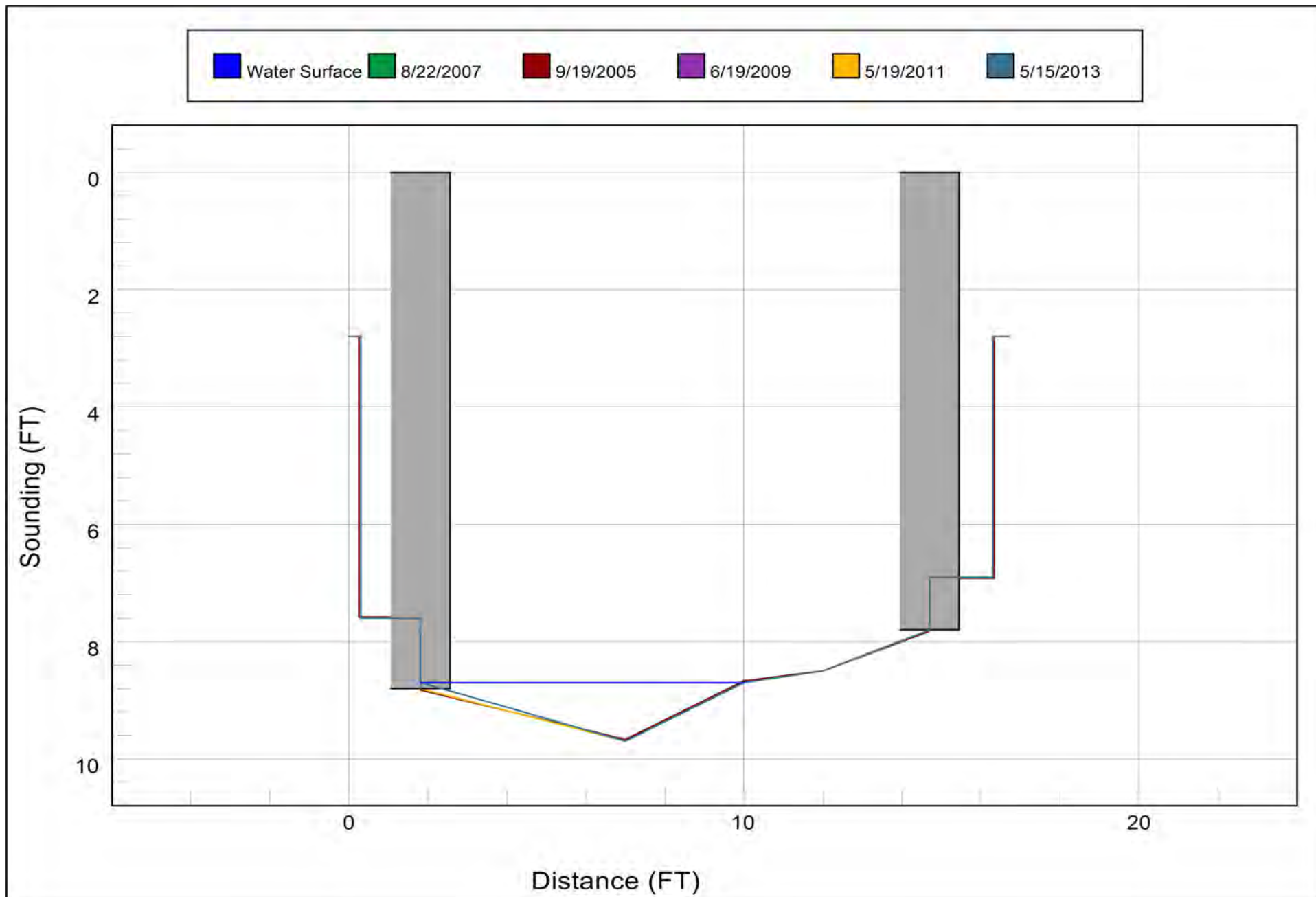
Record sounding from top of rail. Other location if needed: _____

Distance from Highwater Mark to top of rail: _____ Location of Highwater Mark: _____

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.8				
0.3	2.8				
0.3	7.6				
1.8	7.6				
1.81	8.8	SF ABUTMENT 1	1.81	6	SF ABUTMENT 1
1.82	8.7	Water Surface/Water Edge (WSWE)			
7	9.7				
10	8.7	Water Surface/Water Edge (WSWE)			
12	8.5				
14.7	7.8	SF ABUTMENT 2	14.7	7.3	SF ABUTMENT 2
14.701	6.9				
16.3	6.9				
16.301	2.8				
16.7	2.8				

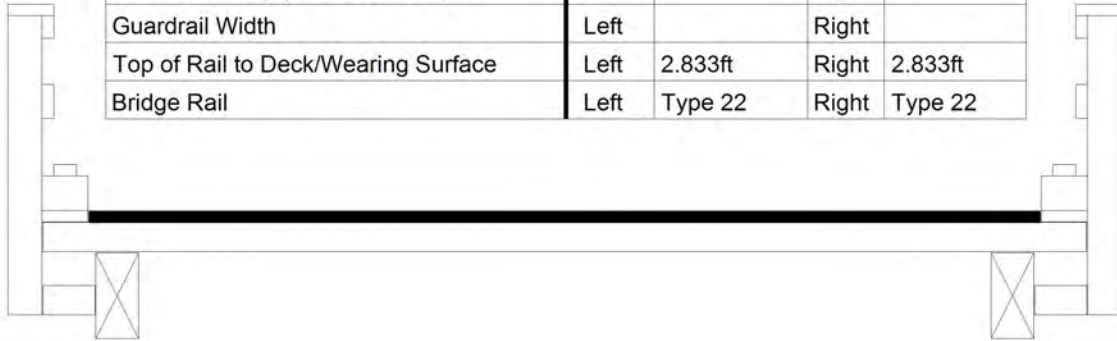
STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



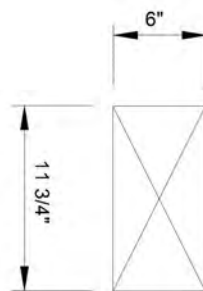
Bridge Inspection Field Sketch

Deck Width/Out to Out	24.167ft	Between Rails				23.833ft
Clear Roadway	23.167ft	Wearing Surface				0.333ft
Median Width		Median Height				
Curb Height		Left	0.688ft	Right	0.688ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left		Right		
Top of Rail to Deck/Wearing Surface		Left	2.833ft	Right	2.833ft	
Bridge Rail		Left	Type 22	Right	Type 22	



Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	1.083
Top of Rail to Bottom of Beam	4.333	Right Overhang	1.083

Beam Number	Beam Type	Spacing
1 thru 23	Timber (Rectangular)	1.0ft



JOIST DIMENSIONS

05/15/13 - J.C.HUNTSINGER

Title

Typical Section

Description

Data Worksheet

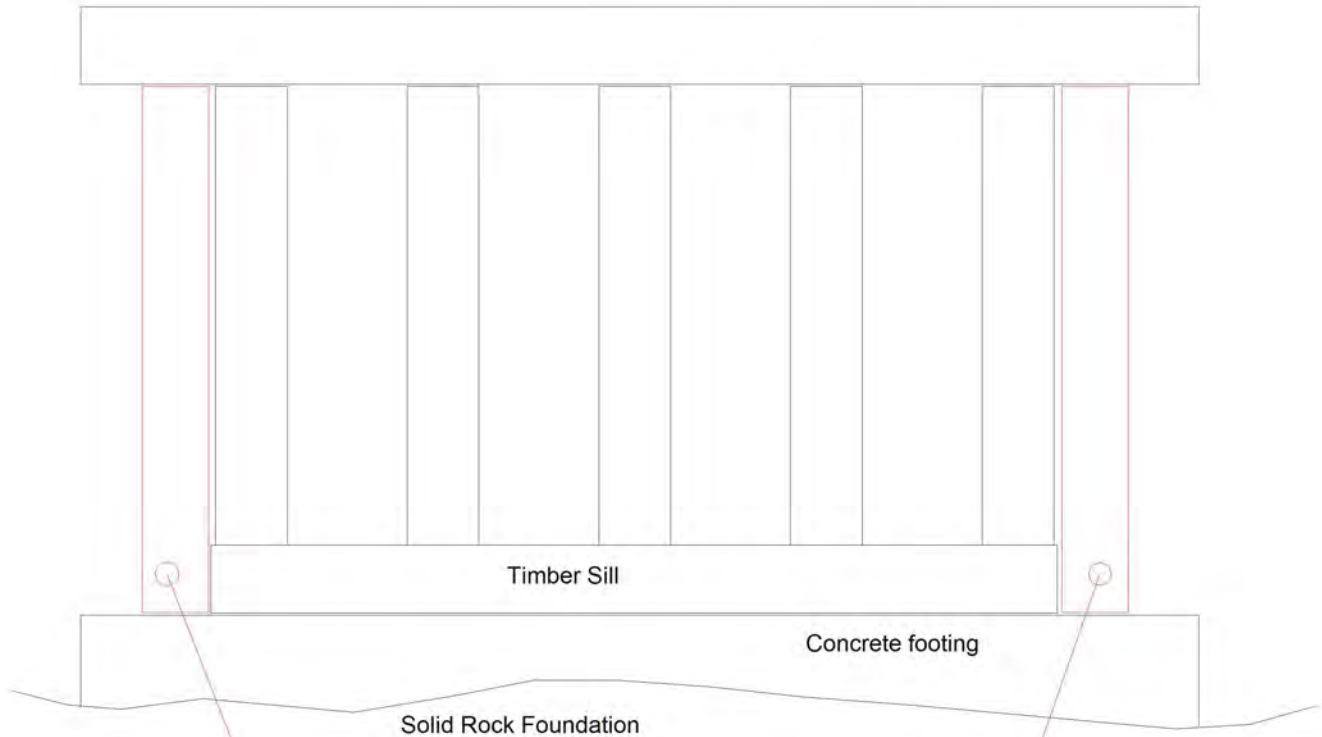
Bridge No: 430314

Drawn By: Roy W. Shook

Date: 08/22/2007

File Name: S0106000376

Bridge Inspection Field Sketch



Note: Supplement post flush against outside of end posts of both abutments
(9 3/4" x 9 3/4" @ abut. 1; 11 5/8" x 11 5/8" @ abut. 2)

Abutment #	2	Abutment 1 similar	
Cap - Beam Type (Wood or Steel)			
Cap Size	26.083ft Long	1.000ft Wide	0.979ft High
Left Overhang	1.667ft	Lt Cap/Beam Overhang	0.354ft
Right Overhang	1.750ft	Rt Cap/Beam Overhang	0.354ft
Sill - Timber Sill			
Sill Size	22.000ft Long	0.833ft Wide	0.979ft High

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Post and Sills	5.250'		0.813'	0.833'	Vertical
2	Wood or Timber	Post and Sills	5.250'		0.813'	0.833'	Vertical
3	Wood or Timber	Post and Sills	5.250'		0.813'	0.833'	Vertical
4	Wood or Timber	Post and Sills	5.250'		0.813'	0.833'	Vertical
5	Wood or Timber	Post and Sills	5.250'		0.813'	0.833'	Vertical

05/15/13 - J.C.HUNTSINGER

Title	Description		
Substructure	Data Worksheet		
Bridge No: 430314	Drawn By: Roy W. Shook	Date: 08/22/2007	File Name: S0106000378

Bridge Inspection Field Sketch



Roadway	20ft Wide	2 Paved Lanes	Looking North
Left Shoulder	2ft Wide		2ft Unpaved
Right Shoulder	2ft Wide		2ft Unpaved
Left Guardrail			
Right Guardrail			

05/15/13 - J.C.HUNTSINGER

Title

Approach Roadway

Description

Data Worksheet

Bridge No: 430314

Drawn By: D.D.H.

Date: 08/22/2007

File Name: S0106000375

Bridge Inspection Field Sketch

Intentionally Blank

Title		Description	
Blank Sheet		Blank Sheet	
Bridge No: 430314	Drawn By: Blank Sheet	Date: 08/22/2007	File Name: S0106000377



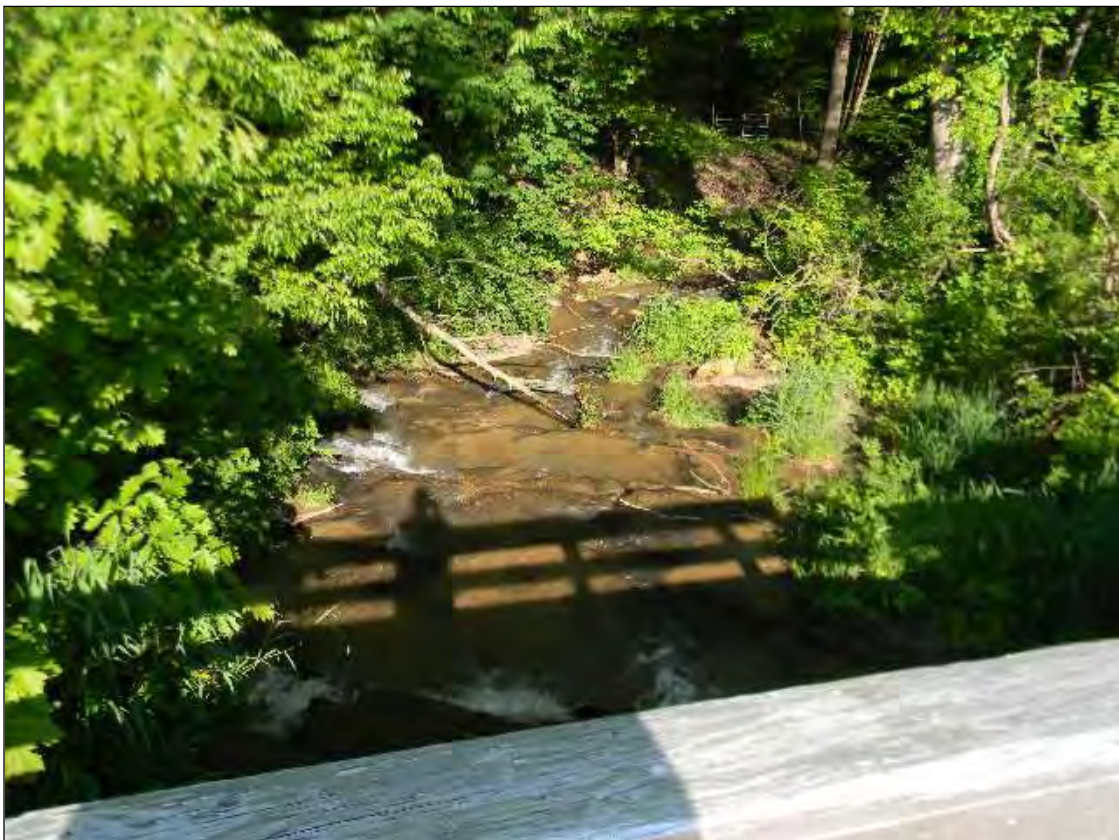
GUARDRAIL AT THE NW CORNER. SE GUARDRAIL IS SIMILAR.



NORTH APPROACH



LOOKING UPSTREAM



LOOKING DOWNSTREAM



GUARDRAIL AT THE SE CORNER NW GUARDRAIL IS SIMILAR. NOTE GUARDRAIL NOT ATTACHED TO BRIDGERAIL.



SOUTH APPROACH



DOWNSTREAM



ABUTMENT 1



UPSTREAM



ABUTMENT 2