



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

PRI. MAINT. ISSUED.
TEMP. REPAIR - ALL ABUTMENT POST HAVE BEEN
SUPPLEMENTED.

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY HAYWOOD BRIDGE NUMBER 430020 INSPECTION CYCLE 2 YRS
ROUTE SR1809 ACROSS RACoon CREEK M.P. 0

LOCATION .2 MI.W.JCT.SR1812

SUPERSTRUCTURE TIMBER FLOOR ON I-BEAMS

SUBSTRUCTURE E.BTS:TIMBER CAPS/TIMBER POST&SILLS @ VAR. CENTERS

SPANS 1 @ 20'-6

LONGITUDE 82° 57' 53.43"

LATITUDE 35° 29' 28.43"

INSPECTION DATE 04/23/2013

PRESENT CONDITION FAIR

PRESENT POSTING SV 26 TTST 40 NOT POSTED

PROPOSED POSTING

OTHER SIGNS PRESENT DELINEATORS [4]



LOOKING EAST

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></u>
<u>No</u>	DELINEATORS	<u></u>
<u>No</u>	NARROW BRIDGE	<u></u>
<u>No</u>	ONE LANE BRIDGE	<u></u>
<u>No</u>	LOW CLEARANCE	<u></u>

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

Run Date: 05/23/2013

IDENTIFICATION							
(1) STATE NAME -NORTH CAROLINA	BRIDGE	430020		SUFFICIENCY RATING =	21.13		
(8) STRUCTURE NUMBER(FEDERAL)		00000000870020		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31018090					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2					
(3) COUNTY CODE 87	(4) PLACE CODE	0					
(6) FEATURE INTERSECTED - RACCOON CREEK							
(7) FACILITY CARRIED SR1809							
(9) LOCATION .2 MI.W.JCT.SR1812							
(11)MILEPOINT		0					
(16)LAT 35° 29' 28.43"	(17)LONG 82° 57' 53.43"						
(98)BORDER BRIDGE STATE CODE	PCT SHARE						
(99)BORDER BRIDGE STRUCTURE NO							
STRUCTURE TYPE AND MATERIAL							
(43) STRUCTURE TYPE MAIN: Steel							
TYPE - Stringer Multibeam or Girder	CODE	302					
(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		1952					
(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		480					
(30) YEAR OF ADT 2011	(109) TRUCK ADT PCT	6%					
(19) BYPASS OR DETOUR LENGTH		2 MI					
GEOMETRIC DATA							
(48) LENGTH OF MAXIMUM SPAN		19 FT					
(49) STRUCTURE LENGTH		21 FT					
(50)CURB OR SIDEWALK: LEFT .3 FT RIGHT .3 FT							
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		19.167 FT					
(52) DECK WIDTH OUT TO OUT		20 FT					
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		16 FT					
(33) BRIDGE MEDIAN - No Median	CODE	0					
(34) SKEW 20°	(35) STRUCTURE FLARED	0					
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT					
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		19.167 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	3		
				(61) CHANNEL & CHANNEL PROTECTION	7		
				(62) CULVERTS	N		
				LOAD RATING AND POSTING			
				(31) DESIGN LOAD Unknown	0		
				(63) OPERATING RATING METHOD - Load Factor	1		
				(64) OPERATING RATING - HS-1	1		
				(65) INVENTORY RATING METHOD - Load Factor	1		
				(66) INVENTORY RATING - HS-1	1		
				(70) BRIDGE POSTING - No Posting Required	5		
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED DESCRIPTION - Open Temporary Shoring	D		
				APPRAISAL			
				(67) STRUCTURAL EVALUATION	3		
				(68) DECK GEOMETRY	2		
				(69) UNDERCLEARANCES,VERTI & HORIZ	N		
				(71) WATERWAY ADEQUACY	7		
				(72) APPROACH ROADWAY ALIGNMENT	8		
				(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 960	(115) YEAR FUTURE ADT	2025	
				INSPECTIONS			
				(90) INSPECTION DATE	04/23/2013		
				(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: 05/23/2013

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
HAYWOOD	14	2	430020	21	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1809	RACCOON CREEK

LOCATED :	BRIDGE NAME :	CITY :
.2 MI.W.JCT.SR1812		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	480 2011	LT 227 RT 227

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1952	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :		
	BMU	5.9451	TAN	110	ON 2	UNDER	0

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT	HC 0 FT		6 FT		1		FT

SUPERSTRUCTURE :	TIMBER FLOOR ON I-BEAMS
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SUBSTRUCTURE :	E.BTS:TIMBER CAPS/TIMBER POST&SILLS @ VAR. CENTERS
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SPANS :	1 @ 20'-6
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BEAMS OR GIRDERS :	10 LINES 12 I-BEAMS @ 2' CENTERS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
3X4 TIM/3 AWS		20 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
19.167 FT	19.833 FT	LT .3 FT RT .3 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :		DATE
HS-1	HS-1	IntBeams	SV	TTST	01/19/2012

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

UNDER ROUTES AND CLEARANCES

REMARKS :

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

BRIDGE: **430020** COUNTY: **HAYWOOD** DATE: **12/11/2007**

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>3</i>	<i>TSE</i>
S I & A ITEM 64 OPERATING RATING		
HS 0	BY: FK	
S I & A ITEM 66 - INVENTORY RATING		
HS 0	BY: FK	

COMMENTS

TEMPORARY REPAIRS- ALL POSTS ARE SUPPLIMENTED AT BOTH
ABUTMENTS.

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection
 BRIDGE NO. 430020 COUNTY HAYWOOD ROUTE SR1809 OVER RACoon CREEK
 STRUCTURE TYPE TIMBER FLOOR ON I-BEAMS
 ROUTE ORIENTATION W - E SPANS 1 @ 20'-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			F	45. CHANNEL & CHANNEL PROT.	a. WATERWAY	G	
					b. ALIGNMENT	G	
					c. SCOUR	G	
					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 A G
	d. OPEN GRID			53. UTILITIES			
3. RAILING	a. CONCRETE			54. RESPONSE TO LIVE LOAD			G
	b. TIMBER		G	55. ESTIMATED REMAINING LIFE			10
	c. ALUMINUM						
	d. STEEL						
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			P	60. REGULATORY SIGN NOTICE ISSUED			NO
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)				61. PROMPT-ACTION NOTICE ISSUED			YES
6. DECK EXP JTS. OR DEVICES. NO. OF EACH	a. STEEL PL OR FINGER			62. PRESENTLY POSTED			NO
	b. MISC PREFAB			63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			4
	c. COMPRESSION SEAL			64. TOTAL SNOOPER INSP. TIME (HRS)			
	d. STANDARD JOINTS			65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)			
	e. OPEN JOINTS						
7. DECK DEBRIS (INCLUDES EXCESS SAND/GRAVEL)			G	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			G	b. SUPERSTRUCTURE	ITEM 59	7	
11. LONGITUDINAL JOIST OR STRINGERS				c. SUBSTRUCTURE	ITEM 60	5	
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S				d. CHANNEL & CHANNEL PROT.	ITEM 61	7	
13. END DIAP'S, CURTAIN WALLS, & CONN'S				71. SI&A FIELD APPRAISAL RATINGS			
14. FLOOR BEAMS AND CONNECTIONS				a. WATERWAY ADAQUACY		7	
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)			G	b. APPR. RDWY. ALIGNMENT		8	
16. DRAINAGE SYSTEM (ON STRUCTURE)			G	72. FIELD SCOUR EVALUATION			L
17. MOVABLE SPAN MACHINERY							
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)				USE OF INSP. ACCESSIBILITY EQUIPMENT			
35. TIM SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS		F	SNOOPER (CODE S, 4, OR N)			HRS NO
	b. PILES, POST, SILLS, & BRACING		F	LADDER			NO
	c. BULKHEADS, WING'S, & TIE BACKS		F	BUCKET TRUCK			NO
36. CONC SUB STR.	a. ABUT. & INT. BENT CAPS			BOAT			NO
	b. ABUT. & BENT COL'S BREASTWALLS			OTHER			NO
	c. ABUT. & INT. BENT PILES						
	d. BACKWALLS, WING'S, RETAIN. WALLS						
	e. ABUT. & BENT FOOTINGS & SILLS						
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:	Wm. B. J. 1/24		
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 Inspection & Analysis</u>	
Team Leader BARRY FOXX			
Assisted By DAVID SANDERS			
Item No.	Grade		
1	F	WEARING SURFACE; SCATTERED AREAS OF RANDOM TYPE 1/4" WIDE CRACKS FOUND THROUGHOUT FULL LENGTH OF BRIDGE. CONDITION IS NOT CAUSING MUCH OF A PROBLEM AS YET.	
4	P	TIMBER WHEELGUARDS; SCATTERED AREAS OF UP TO 3" DEEP DECAY ALONG BOTH SIDES OF BRIDGE. [SEE REP. PHOTO].	
7	G	DECK DEBRIS AND DRAINAGE; 2" HIGH X 2' WIDE AREA OF SAND AND DIRT BUILDUP ALONG BOTH SIDES OF BRIDGE FOR FULL LENGTH MENTIONED LAST REPORT HAS BEEN REMOVED. NO PROBLEMS AT THIS TIME.	
16	G	DRAINAGE SYSTEM; SEE ITEM 7 FOR ADDITIONAL INFORMATION.	
35a	F	TIMBER CAPS; CAP AT ABUTMENT 2 HAS BEEN REPLACED DUE TO PREVIOUS TIMBER HAVING AREAS OF DECAY. PRI. MAINT. WAS ISSUED LAST INSP. DUE TO DECAY. NEW TIMBER IS IN GOOD CONDITION AT THIS TIME. CAP AT ABUTMENT 1 IS WEATHERED WITH A COUPLE OF SCATTERED AREAS OF 1" DEEP DECAY BUT NONE WERE DETECTED AT A LOCATION THAT IS CAUSING ANY PROBLEMS AS YET.	
35b	F	TIMBER ABUTMENT POST; DOWNSTREAM POST OF DOUBLED POST 2 AT ABUTMENT 2 HAS AN AREA OF 2 1/2" WIDE X 2 1/2" DEEP DECAY IN ITS TOP 10" TO ITS DOWNSTREAM FACE. THIS CONDITION HAS NOT CHANGED SINCE PREVIOUS INSP. AND SHOWS NO SIGNS OF CAUSING ANY PROBLEMS AS YET. ALL OTHER POST ARE WEATHERED BUT SOUND. "DOUBLED" POST ARE CONSIDERED A TEMP. REPAIR.	
35c	F	TIMBER BULKHEAD AND WINGWALLS; 1ST AND 3RD BULKHEAD TIMBERS DOWN FROM TOP ON UPSTREAM MOST 5' AT ABUTMENT 1 HAVE COMPLETE DECAY. [SEE PHOTO]. FILL IS VISIBLE BUT HAS NOT SPILLED THROUGH AS YET. PRI. MAINT. ISSUED DUE TO THIS CONDITION. ALL OTHER ORIGINAL TIMBERS ARE WEATHERED WITH SCATTERED AREAS OF 1" DEEP DECAY. NO PROBLEMS DUE TO CONDITION AS YET.	
50	F	APPROACH ROADWAY CONDITION; BOTH APPROACHES ARE ROUGH AND SETTLED UP TO 1" AT ENDS OF BRIDGE CONDITIONS ARE NOT CAUSING MUCH OF A PROBLEM AT THIS TIME.	
61	YES	PROMPT ACTION ISSUED; PRI. MAINT. ISSUED DUE TO COMPLETE DECAY TO UPSTREAM MOST 5' OF 1ST AND 3RD BULKHEAD TIMBERS DOWN FROM TOP AT ABUTMENT 1.	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430020

County HAYWOOD

Date: 04/23/2013

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3346	Repair / Maintain Timber Wings & Blkhds	SF	10	1ST AND 3RD BULKHEAD TIMBERS DOWN FROM TOP AT ABUTMENT 1 HAVE COMPLETE DECAY TO THEIR UPSTREAM MOST 5' WITH FILL VISIBLE BUT NOT SPILLING AS YET.	
3316	Maint to Timber Handrail	LF	41	SCATTERED AREAS OF UP TO 3" DEEP DECAY TO WHEELGUARD TIMBERS.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430020 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	10 SF
Location:		
Abutment Substructure	Bent/Span No. 1	BULKHEAD TIMBERS AT ABUTMENT 1
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/23/2013	BARRY FOXX	DAVID SANDERS
Details		
1ST AND 3RD BULKHEAD TIMBERS DOWN FROM TOP AT ABUTMENT 1 HAVE COMPLETE DECAY TO THEIR UPSTREAM MOST 5' WITH FILL VISIBLE BUT NOT SPILLING AS YET.		



1ST AND 3RD BULKHEAD TIMBERS DOWN FROM TOP AT ABUTMENT 1 HAVE COMPLETE DECAY TO THEIR UPSTREAM MOST 5'.

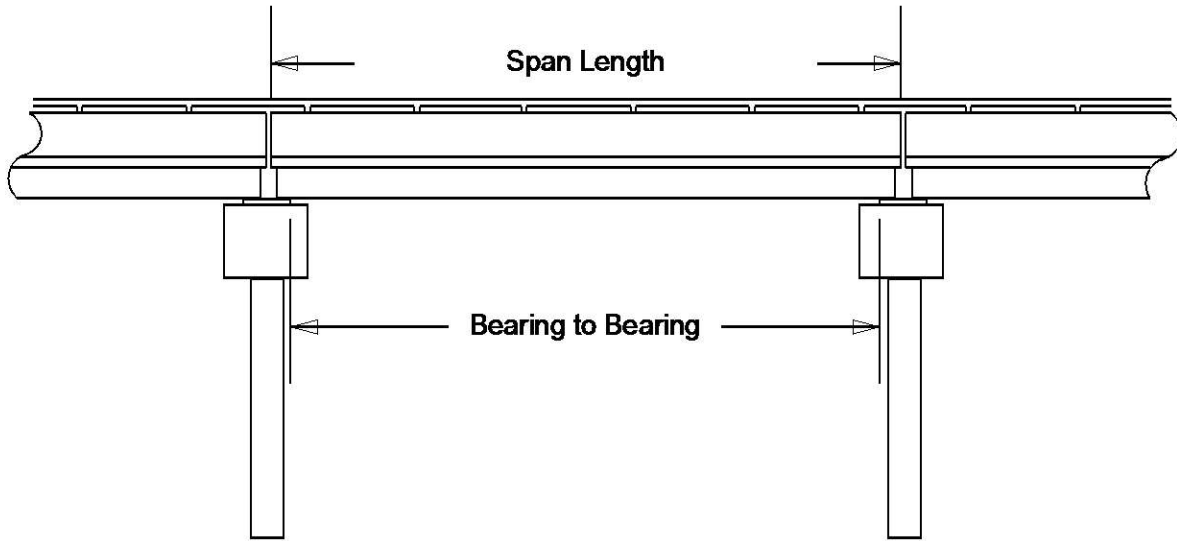


REP. OF DECAY TO WHEELGUARD. PHOTO WAS TAKEN OF DOWNSTREAM SIDE.

Structure Data Worksheet

Spans

County: HAYWOOD Structure No: 430020 Date: 04/23/2013 Inspected By: WBF



Span No	Span Length	Bearing to Bearing	Comments
1	20.5	19.25	

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 430020 County: HAYWOOD Date: 04/23/2013 By: WBF

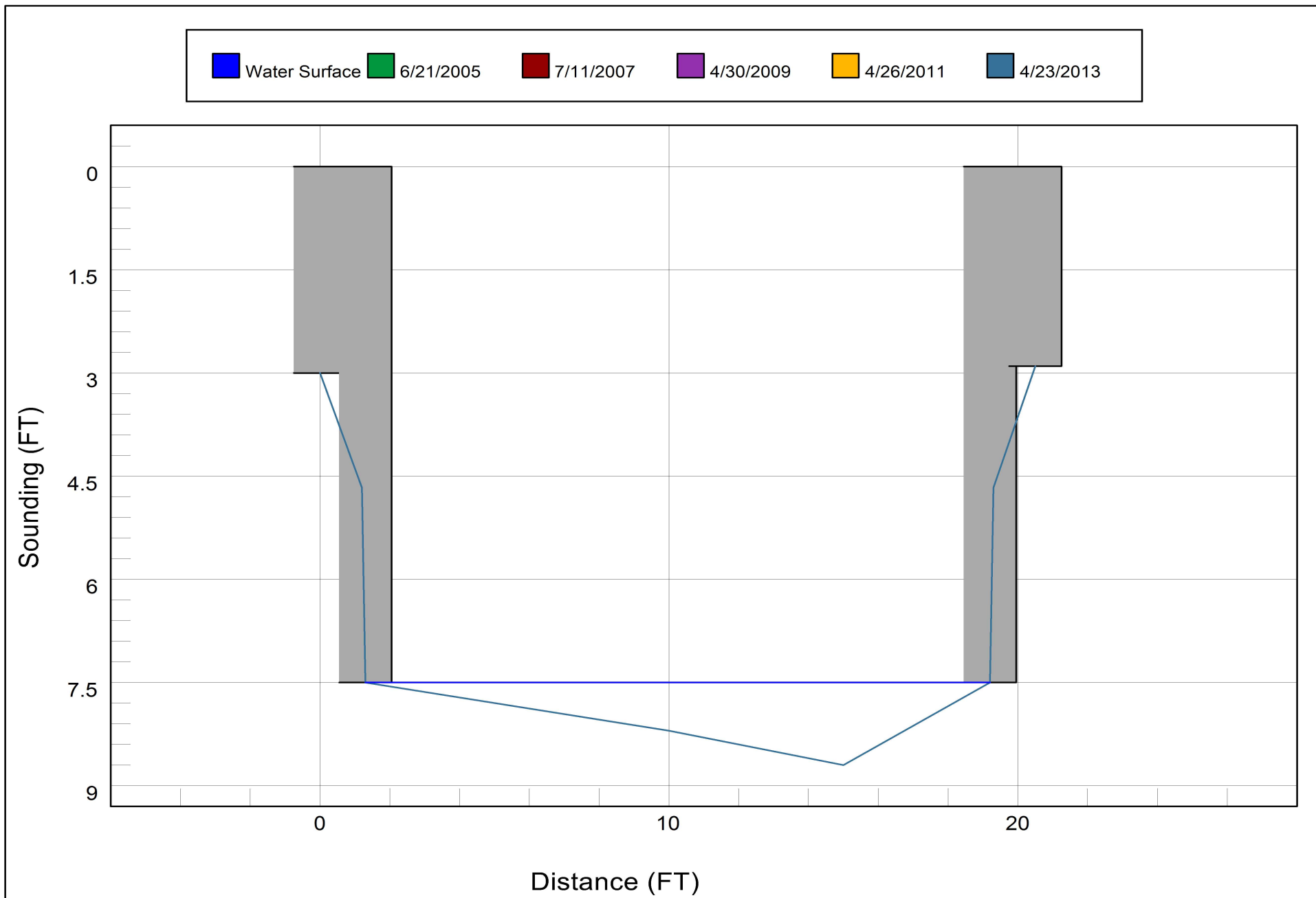
Record sounding from top of rail. Other location if needed: _____

Distance from Highwater Mark to top of rail: 2.833 Location of Highwater Mark: HAS BEEN TOPPED

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	3	FILL FACE ABUTMENT 1	0	3.3	FILL FACE ABUTMENT 1
1.2	4.667	Top of Cap			
1.3	7.5	STREAM FACE ABUTMENT 1 AND WE AND WS	1.3	7.5	STREAM FACE ABUTMENT 1
10	8.2				
15	8.7	STREAM BED			
19.2	7.5	STREAM FACE ABUTMENT 2 AND WE AND WS	19.2	7.8	STREAM FACE ABUTMENT 2
19.3	4.667	Top of Cap			
20.5	2.9	FILL FACE ABUTMENT 2	20.5	3	FILL FACE ABUTMENT 2

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

VERIFIED BY DAVID SANDERS 4/23/2013



Roadway	16ft Wide	1 Paved Lanes	Looking East
Left Shoulder	2ft Wide		2ft Unpaved
Right Shoulder	2ft Wide		2ft Unpaved
Left Guardrail			
Right Guardrail			

Title

APPROACH ROADWAY

Description

APPROACH ROADWAY

Bridge No: 430020

Drawn By: DAVID SANDERS

Date: 4/23/2013

File Name: S0118000190

Bridge Inspection Field Sketch

VERIFIED BY DAVID SANDERS 4/23/2013

Deck Width/Out to Out	20ft	Wearing Surface	0.25ft
Between Rails	19.833ft	Median Width	
Curb Height	0.708ft	Median Height	
Top Rail to Deck/Wearing Surface	2.833ft	Left Guardrail Width	0.5ft
Clear Roadway	19.167ft	Right Guardrail Width	0.5ft
Left Bridge Rail	Type 22	Right Bridge Rail	Type 22

Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	1
Top of Rail to Bottom of Beam	4.667	Right Overhang	1

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.0ft	BEAMS ARE 1.0 HIGH W/ .5417 FLG. WIDTHS
2	Steel I Beam	2.0ft	AND .0313 FLG. THICKNESS AND .0208 WEBS
3	Steel I Beam	2.0ft	
4	Steel I Beam	2.0ft	
5	Steel I Beam	2.0ft	
6	Steel I Beam	2.0ft	
7	Steel I Beam	2.0ft	
8	Steel I Beam	2.0ft	
9	Steel I Beam	2.0ft	
10	Steel I Beam		

Title

SUPER

Description

SUPER

Bridge No: 430020

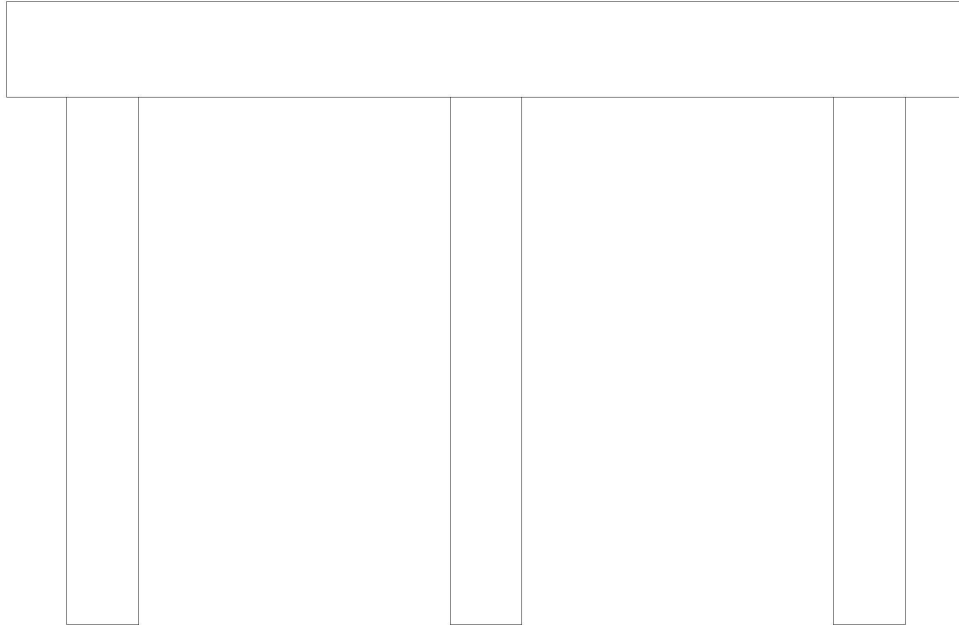
Drawn By: DAVID SANDERS

Date: 4/23/2013

File Name: S0118000191

Bridge Inspection Field Sketch

VERIFIED BY DAVID SANDERS 4/23/2013



Abutment #	1	Abutment 2 similar	
Cap - Beam Type (Wood or Steel)			
Cap Size	22.667ft Long	0.833ft Wide	0.979ft High
Left Overhang	2.667ft	Lt Cap/Beam Overhang	1.4167ft
Right Overhang	2.667ft	Rt Cap/Beam Overhang	1.4167ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Post and Sills	8.6667		.8333	.8333	Vertical
2	Wood or Timber	Post and Sills	8.6667		.8333	.8333	Vertical
3	Wood or Timber	Post and Sills			.8333	.8333	Vertical

NOTES; ALL POST ARE "DOUBLED" WITH A .8333 X .8333 AND A .8333 X .9792 AT ALL.
THE CENTERS BETWEEN THE "DOUBLED" POST ARE .9063 AT ALL.

Title		Description	
SUBSTRUCTURE		SUBSTRUCTURE	
Bridge No:	430020	Drawn By:	DAVID SANDERS
Date:	4/23/2013	File Name:	S0118000192

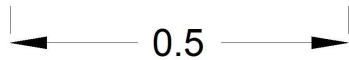
Bridge Inspection Field Sketch

.0573 DRILLED HOLES IN THE TOP FLANGES OF THE FOLLOWING BEAMS.
ALL MEASUREMENTS ARE GIVEN FROM C/L OF BEARING AT ABUTMENT 1.

LEFT SIDE



RIGHT SIDE



0.5

BEAMS 6,8 AND 9.

VERIFIED BY DAVID SANDERS 4/23/2013

Title	Description
BEAM HOLES	BEAM HOLES
Bridge No: 430020	Drawn By: DAVID SANDERS
Date: 4/23/2013	File Name: S0118000193



LOOKING EAST



LOOKING UPSTREAM FROM TOP OF BRIDGE.



LOOKING DOWNSTREAM FROM TOP OF BRIDGE.



LOOKING WEST



DOWNSTREAM



ABUTMENT 1 - TEMP. REPAIR TO POSTS 1, 2, AND 3.



ABUTMENT 2- TEMP. REPAIR TO POSTS 1, 2, AND 3.



UNDERSIDE



UPSTREAM