



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

PRIORITY MAINT ISSUED ON END BENT 1 PILE 1 AND
END BENT 2 PILE 1 AND 5

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection - Contract

COUNTY WILKES BRIDGE NUMBER 960187 INSPECTION CYCLE 0 YRS
ROUTE SR2340 ACROSS FISHING CREEK M.P. 0

LOCATION .4 MI.E.JCT.SR2318

SUPERSTRUCTURE TIMBER FLOOR ON I-BEAMS

SUBSTRUCTURE E.BTS:TIMBER CAPS/TIMBER POST&SILLS @ 5'-3" CENTERS

SPANS 1 @ 45'-6"

LONGITUDE 81° 5' 27.20" LATITUDE 36° 9' 41.49"

INSPECTION DATE 02/14/2013 PRESENT CONDITION POOR

PRESENT POSTING SV 16 TTST 20 SV16 TTST 20 PROPOSED POSTING _____

OTHER SIGNS PRESENT 4 DELINEATORS AND 2 NARROW BRIDGE SIGNS



LOOKING NORTH

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	_____

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

Run Date: 03/21/2013

IDENTIFICATION					
(1) STATE NAME -NORTH CAROLINA	BRIDGE	960187		SUFFICIENCY RATING =	12.49
(8) STRUCTURE NUMBER(FEDERAL)		000000001930187		STATUS =	Structurally Deficient
(5) INVENTORY ROUTE (ON/UNDER) - ON		31023400			
(2) STATE HIGHWAY DEPARTMENT DISTRICT		3			
(3) COUNTY CODE	193	(4) PLACE CODE	0		
(6) FEATURE INTERSECTED - FISHING CREEK					
(7) FACILITY CARRIED SR2340					
(9) LOCATION .4 MI.E.JCT.SR2318					
(11)MILEPOINT		0			
(16)LAT 36° 9' 41.49"	(17)LONG	81° 5' 27.20"			
(98)BORDER BRIDGE STATE CODE		PCT SHARE			
(99)BORDER BRIDGE STRUCTURE NO					
STRUCTURE TYPE AND MATERIAL				CLASSIFICATION	
(43) STRUCTURE TYPE MAIN: Steel				(112)NBIS BRIDGE SYSTEM -	YES
TYPE - Stringer Mutlibeam or Girder		CODE 302		(104)HIGHWAY SYSTEM Is not on NHS	0
(44) STRUCTURE TYPE APPR :				(26) FUNCTIONAL CLASS - Local	09
TYPE -		CODE 000		(100)STRAHNET HIGHWAY - Not a STRAHNET Route	0
(45) NUMBER OF SPANS IN MAIN UNIT		1		(101)PARALLEL STRUCTURE - No Parallel Structure	N
(46) NUMBER OF APPROACH SPANS				(102)DIRECTION OF TRAFFIC - 2-way Traffic	2
(107)DECK STRUCTURE TYPE - 8		CODE		(103)TEMPORARY STRUCTURE - Temporary Structure/Conditions	T
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(110)DESIGNATED NATIONAL NETWORK - Not on the National Network	0
(A) TYPE OF WEARING SURFACE -		CODE		(20) TOLL On Free Road	3
(B) TYPE OF MEMBRANE -		CODE		(31) MAINTAIN - State Highway Agency	01
(C) TYPE OF DECK PROTECTION -		CODE		(22) OWNER - State Highway Agency	01
				(37) HISTORICAL SIGNIFICANCE - Not Eligible	5
				CONDITION	
				(58) DECK	7
				(59) SUPERSTRUCTURE	5
				(60) SUBSTRUCTURE	4
				(61) CHANNEL & CHANNEL PROTECTION	7
				(62) CULVERTS	N
				LOAD RATING AND POSTING	
				(31) DESIGN LOAD Unknown	0
				(63) OPERATING RATING METHOD - Load Factor	
				(64) OPERATING RATING - HS-1	101
				(65) INVENTORY RATING METHOD - Load Factor	
				(66) INVENTORY RATING - HS-1	101
				(70) BRIDGE POSTING - Posting Required	0
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED	P
				DESCRIPTION - Posted for Load	
				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 1740	(115) YEAR FUTURE ADT 2025
				INSPECTIONS	
				(90) INSPECTION DATE	02/14/2013
				(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	
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			

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 03/21/2013

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
WILKES	11	3	960187	46	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR2340	FISHING CREEK

LOCATED :	BRIDGE NAME :	CITY :
.4 MI.E.JCT.SR2318		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	870 2010	LT 227 RT 227

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

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

NAVIGATION :	HT. CRN. TO BED :	WATER DEPTH :
VC 0 FT HC 0 FT 12 FT 1 FT		

SUPERSTRUCTURE :	TIMBER FLOOR ON I-BEAMS
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SUBSTRUCTURE :	E.BTS:TIMBER CAPS/TIMBER POST&SILLS @ 5'-3 CENTERS
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SPANS :	1 @ 45'-6
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BEAMS OR GIRDERS :	8 LINES 18 I-BEAMS @ 2'-7 CENTERS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8 TIM/2.5 AWS		20.083 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
19.083 FT	19.75 FT	LT .3 FT RT .3 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	20	DATE	10/29/2008
HS-1	HS-1	IntBeam	SV 16				

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

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection - Contract
 BRIDGE NO. 960187 COUNTY WILKES
 STRUCTURE TYPE TIMBER FLOOR ON I-BEAMS
 ROUTE ORIENTATION S - N

ROUTE SR2340

OVER FISHING CREEK

SPANS 1 @ 45'-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 F
	d. OPEN GRID			53. UTILITIES			G
3. RAILING	a. CONCRETE			54. RESPONSE TO LIVE LOAD			G
	b. TIMBER		F	55. ESTIMATED REMAINING LIFE			18
	c. ALUMINUM						
	d. STEEL						
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			F				
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			YES
	c. COMPRESSION SEAL			63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			4
	d. STANDARD JOINTS			64. TOTAL SNOOPER INSP. TIME (HRS)			0
	e. OPEN JOINTS			65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)			
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			F	b. SUPERSTRUCTURE	ITEM 59	5	
11. LONGITUDINAL JOIST OR STRINGERS				c. SUBSTRUCTURE	ITEM 60	4	
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S			G	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)			F	a. WATERWAY ADAQUACY		7	
16. DRAINAGE SYSTEM (ON STRUCTURE)			G	b. APPR. RDWY. ALIGNMENT		8	
17. MOVABLE SPAN MACHINERY							
				72. FIELD SCOUR EVALUATION			O
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)							
35. TIM SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS		F	USE OF INSP. ACCESSIBILITY EQUIPMENT			
	b. PILES, POST, SILLS, & BRACING		P	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						
	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:	Rd Williams		
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 RD WILLIAMS			
Assisted By RLB			
Item No.	Grade		
1	F	THE AWS IS CRACKED OVER THE FLOOR BOARDS ALL ACROSS BRIDGE.	
3b	F	THE LT RAIL POST # 3 IS DECAYED IN FACE JUST ABOVE WHEEL GUARD.	
4	F	THE WHEEL GUARDS AND WEATHERED AND DRYING OUT AND SPLINTERING.	
10	F	STEEL BEAMS ARE RUSTY AND SCALING ALONG THE TOP AND BOTTOM FLANGES WITH UP TO 1/8" SECTION LOSS. THE STEEL BEAMS HAVE RUST AND SCALING ALONG TOP FLANGES NEAR MIDSPAN ON MOST BEAMS WITH UP TO 3/16" LOSS IN SPOTS.	
15	F	BEARINGS RUSTY AND FLAKING IN SPOTS.	
52	F	AREAS OF RUST ALONG THE TOP AND BOTTOM FLANGES OF THE BEAMS AND ON THE BEARING AREAS.	
35a	F	END BENT 1 CAP IS DECAYED ON THE LT END 3" X 3" X 20" DEEP ALONG BACK EDGE NEXT TO BULKHEAD. END BENT 2 RT END OF THE CAP IS DECAYED FROM BULKHEAD OUT 5 1/2" X 3 1/2" TOP DOWN AND 14" DEEP.	
35b	P	CRACKING AND SOFT. SOFT ON ENDS. SPLIT & SPOT DECAY ON LEFT END BOTH CAPS. DECAY IN TOP 2 IN. ON RIGHT END CAP 2 ALMOST TO EXTERIOR BEARING. END BENT 1 PILE 1 IS DECAYED INSIDE A SHELL 6" WIDE X 6" DEEP X 4' HIGH FROM BOTTOM CAP DOWN. PM ISSUED END BENT 2 PILE 1 IS DECAYED 6" DEEP AREA X 7" WIDE X FROM TOP DOWN 4. PM ISSUED. END BENT 2 PILE 5 IS DECAYED FROM THE TOP DOWN 5' X 6 1/2" W X 8" DEEP. PM ISSUED	
35c	P	END BENT 1 THE RT WINGWALL IS DECAYED AND POST AND BOARDS ARE DECAYED. END BENT 1 BULKHEAD BOARDS ARE DECAYED BETWEEN MOST ALL PILES .	
50	F	THE SOUTH APPROACH RDWY IS CRACKED AND BEGINING TO BREAK UP AT FILL FACE AND SETTLED 1".	
53	G	THERE IS A UTILITY LINE 6" CAST PIPE ALONG LT SIDE OF BRIDGE .	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 960187

County WILKES

Date: 02/14/2013

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	5	END BENT 1 PILE 1 IS DECAYED HAS A 1" INSIDE SHELL WITH AREA BEING 6" W X 6" D X 4' HIGH FROM TOP OF CAP DOWN. END BENT 1 PILE 1 IS DECAYED INSIDE A SHELL 6" WIDE X 6" DEEP X 4' HIGH FROM BOTTOM CAP DOWN. PM ISSUED	
 3344	Repair / Replace Timber Substructure Components	LF	5	END BENT 2 PILE 1 IS DECAYED APPROX 6" DEEP X 7" WIDE AREA FROM BOTTOM OF CAP DOWN 4' END BENT 2 PILE 1 IS DECAYED 6" DEEP AREA X 7" WIDE X FROM TOP DOWN 4. PM ISSUED.	
 3344	Repair / Replace Timber Substructure Components	LF	5	END BENT 2 PILE 5 IS DECAYED FROM THE TOP DOWN 5' X 6 1/2" WIDE AREA X 8" DEEP. END BENT 2 PILE 5 IS DECAYED FROM THE TOP DOWN 5' X 6 1/2" W X 8" DEEP. PM ISSUED	
3316	Maint to Timber Handrail	LF	4	LT TIMBER RAIL POST # 3 IS DECAYED AT WHEEL GUARD	
3342	Clean and Paint Structural Steel	SF	300	BEAMS HAVE RUST AND FLAKING ALONG THE TOP AND BOTTOM FLANGES AND IN THE BEARING AREAS.	
3344	Repair / Replace Timber Substructure Components	LF	4	END BT 1 CAP DECAYED ALONG LT END IN AREA AT BULKHEAD, END BT 2 CAP RT END IS DECAYED ALONG BACK OF BULKHEAD.	
3346	Repair / Maintain Timber Wings & Blkhs	SF	200	BULKHEAD BOARDS AT END BT 1 AND END BT 2 HAVE SCATTERED AREAS OF DECAY THROUGH OUT AND WING PILES DECAYED	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 960187

County WILKES

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	5 LF
Location:		
Pier Substructure	Bent/Span No. 1	END BENT 1 PILE 1
Priority Level	Status	
Priority Maintenance	SIA Updates in Process	
Submitted Date:	Submitted By:	Assisted By:
02/17/2013	RD WILLIAMS	ROGER BOWERS
Details		
END BENT 1 PILE 1 IS DECAYED HAS A 1" INSIDE SHELL WITH AREA BEING 6" W X 6" D X 4' HIGH FROM TOP OF CAP DOWN. END BENT 1 PILE 1 IS DECAYED INSIDE A SHELL 6" WIDE X 6" DEEP X 4' HIGH FROM BOTTOM CAP DOWN. PM ISSUED		

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	5 LF
Location:		
Pier Substructure	Bent/Span No. 2	END BENT 2 PILE 1
Priority Level	Status	
Priority Maintenance	SIA Updates in Process	
Submitted Date:	Submitted By:	Assisted By:
02/17/2013	RD WILLIAMS	ROGER BOWERS
Details		
END BENT 2 PILE 1 IS DECAYED APPROX 6" DEEP X 7" WIDE AREA FROM BOTTOM OF CAP DOWN 4' END BENT 2 PILE 1 IS DECAYED 6" DEEP AREA X 7" WIDE X FROM TOP DOWN 4. PM ISSUED.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 960187 County WILKES

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	5 LF
Location:		
Pier Substructure	Bent/Span No. 2	END BENT 2 PILE 5
Priority Level	Status	
Priority Maintenance	SIA Updates in Process	
Submitted Date:	Submitted By:	Assisted By:
02/17/2013	RD WILLIAMS	ROGER BOWERS
Details		
END BENT 2 PILE 5 IS DECAYED FROM THE TOP DOWN 5' X 6 1/2" WIDE AREA X 8" DEEP. END BENT 2 PILE 5 IS DECAYED FROM THE TOP DOWN 5' X 6 1/2" W X 8" DEEP. PM ISSUED		



THERE IS A UTILITY LINE 6" CAST PIPE ALONG LT SIDE OF BRIDGE .



THE SOUTH APPROACH RDWY IS CRACKED AND BEGINING TO BREAK UP AT FILL FACE AND SETTLED 1".



THE AWS IS CRACKED OVER THE FLOOR BOARDS ALL ACROSS BRIDGE.



THE LT RAIL POST # 3 IS DECAYED IN FACE JUST ABOVE WHEEL GUARD.



END BENT 1 THE RT WINGWALL IS DECAYED AND POST AND BOARDS ARE DECAYED.



END BENT 1 BULKHEAD BOARDS ARE DECAYED BETWEEN MOST ALL PILES .



END BENT 1 CAP IS DECAYED ON THE LT END 3" X 3" X 20" DEEP ALONG BACK EDGE NEXT TO BULKHEAD.



END BENT 1 PILE 1 IS DECAYED INSIDE A SHELL 6" WIDE X 6" DEEP X 4' HIGH FROM BOTTOM CAP DOWN.
PM ISSUED



STEEL BEAMS ARE RUSTY AND SCALING ALONG THE TOP AND BOTTOM FLANGES WITH UP TO 1/8" SECTION LOSS.



THE STEEL BEAMS HAVE RUST AND SCALING ALONG TOP FLANGES NEAR MIDSPAN ON MOST BEAMS WITH UP TO 3/16" LOSS IN SPOTS.



END BENT 2 PILE 1 IS DECAYED 6" DEEP AREA X 7" WIDE X FROM TOP DOWN 4. PM ISSUED.



END BENT 2 PILE 5 IS DECAYED FROM THE TOP DOWN 5' X 6 1/2" W X 8" DEEP. PM ISSUED



END BENT 2 RT END OF THE CAP IS DECAYED FROM BULKHEAD OUT 5 1/2" X 3 1/2" TOP DOWN AND 14" DEEP.

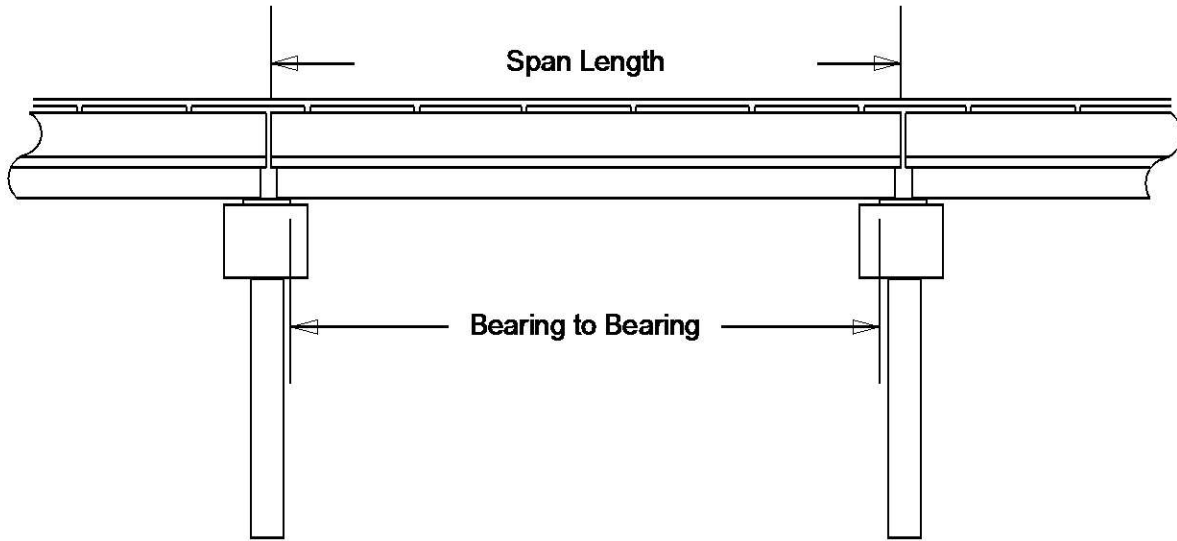


THE WHEEL GUARDS AND WEATHERED AND DRYING OUT AND SPLINTERING.

Structure Data Worksheet

Spans

County: WILKES Structure No: 960187 Date: 02/14/2013 Inspected By: RDW



Span No	Span Length	Bearing to Bearing	Comments
1	45.500	44.167	NBIS - 43.000 FT

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 960187 County: WILKES Date: 02/14/2013 By: RDW

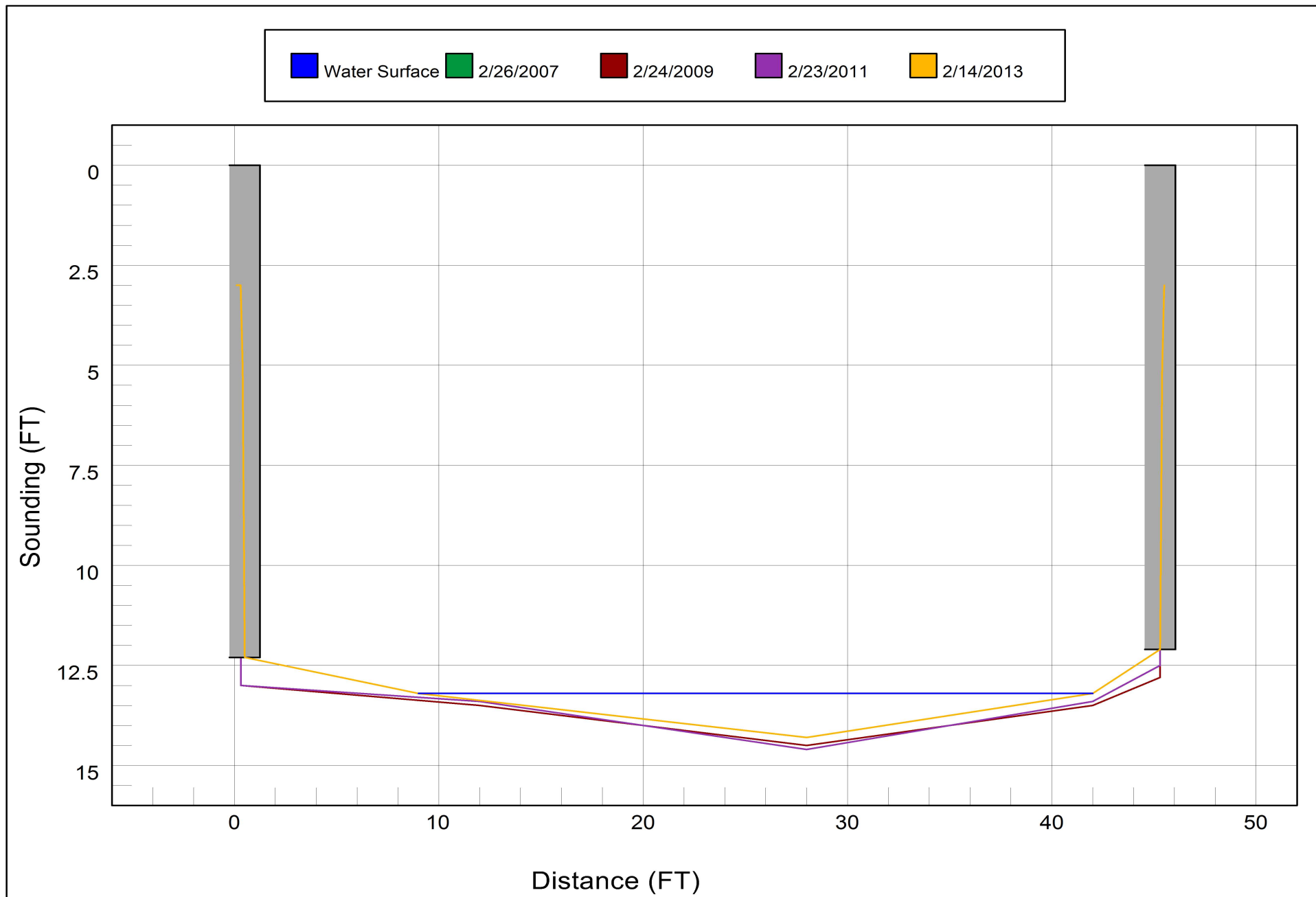
Record sounding from top of rail. Other location if needed: TOP OF RAIL

Distance from Highwater Mark to top of rail: 8 Location of Highwater Mark: ON BANKS

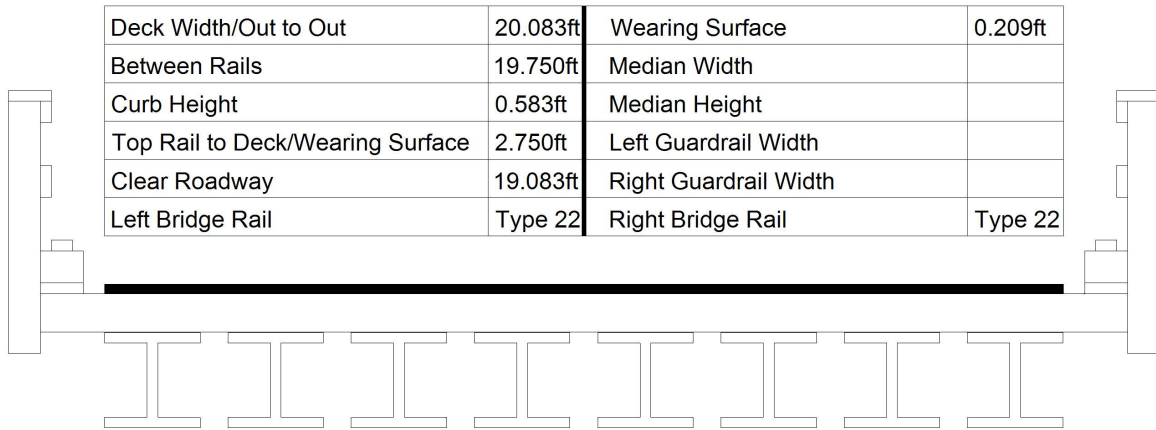
DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0.1	3				
0.3	3				
0.4	5.1	Top of Cap			
0.5	12.3	END BENT 1	0.5	11.1	END BENT 1
9	13.2	Water Surface/Water Edge (WSWE)			
28	14.3				
42	13.2	Water Surface/Water Edge (WSWE)			
45.3	12.1	END BENT 2	45.3	11.1	END BENT 2
45.4	5.1	Top of Cap			
45.5	3				

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)

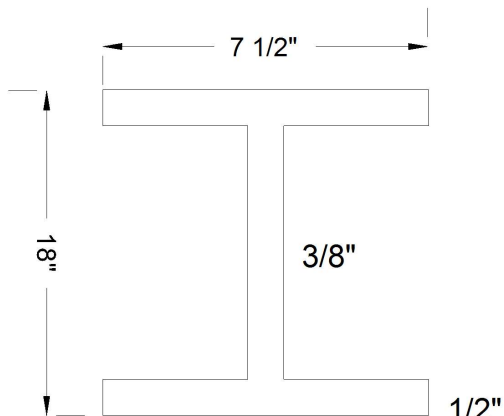


Bridge Inspection Field Sketch



Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	1.00
Top of Rail to Bottom of Beam	5.00	Right Overhang	1.00

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.583ft	
2	Steel I Beam	2.583ft	
3	Steel I Beam	2.583ft	
4	Steel I Beam	2.583ft	
5	Steel I Beam	2.583ft	
6	Steel I Beam	2.583ft	
7	Steel I Beam	2.583ft	
8	Steel I Beam		



MEASUREMENTS VERIFIED BY RL BOWERS 2/14/2013

2 5/8" X 10" DIAPH. @ 1/3 PTS.

BEAMS

Title

TS

Description

SUPER

Bridge No: 960187

Drawn By: DCW

Date: 02/26/2007

File Name: S0126001401

Bridge Inspection Field Sketch

SR 2340



Roadway	18ft Wide	2 Paved Lanes	Looking North
Left Shoulder	6ft Wide		6ft Unpaved
Right Shoulder	4ft Wide		4ft Unpaved
Left Guardrail			
Right Guardrail			

MEASUREMENTS VERIFIED BY RL BOWERS 2/14/2013

Title

APRW

Description

APPROACH ROADWAY

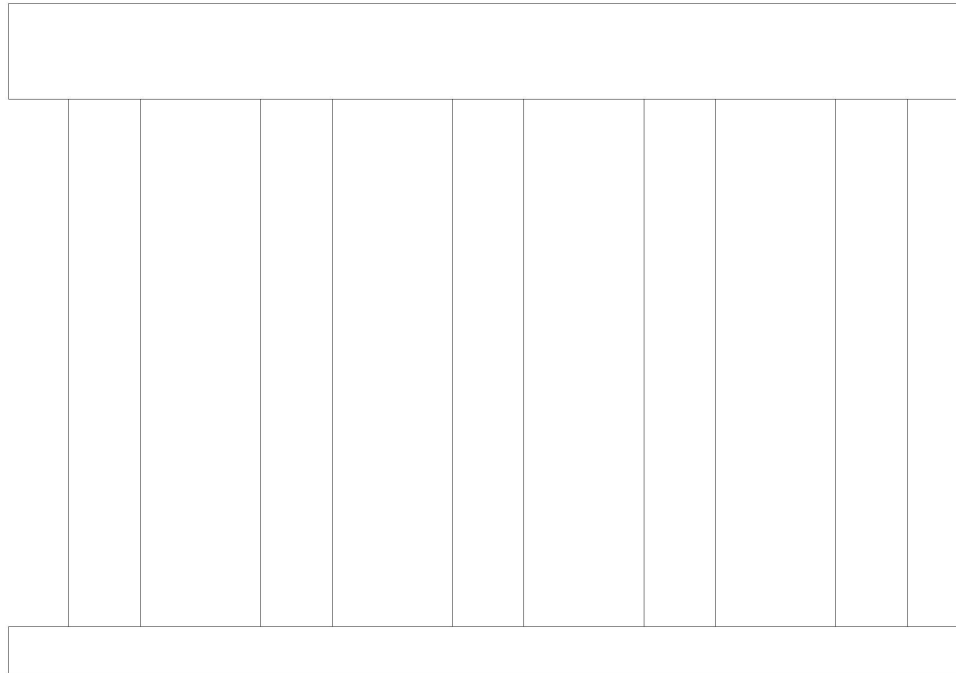
Bridge No: 960187

Drawn By: G.R.R.

Date: 02/26/2007

File Name: S0130001653

Bridge Inspection Field Sketch



Abutment #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	23.5ft Long	0.833ft Wide	0.812ft High
Left Overhang	1.5ft	Lt Cap/Beam Overhang	1.417ft
Right Overhang	1ft	Rt Cap/Beam Overhang	.750ft
Sill - Sill			
Sill Size			

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Post and Sills	5' 3"		10 1/2"	10"	Vertical
2	Wood or Timber	Post and Sills	5' 3"		10 1/2"	10"	Vertical
3	Wood or Timber	Post and Sills	5' 3"		10 1/2"	10"	Vertical
4	Wood or Timber	Post and Sills	5' 3"		10 1/2"	10"	Vertical
5	Wood or Timber	Post and Sills			10 1/2"	10"	Vertical

MEASUREMENTS VERIFIED BY RL BOWERS 2/14/2013

Title

SUB 1

Description

SUB AB 1

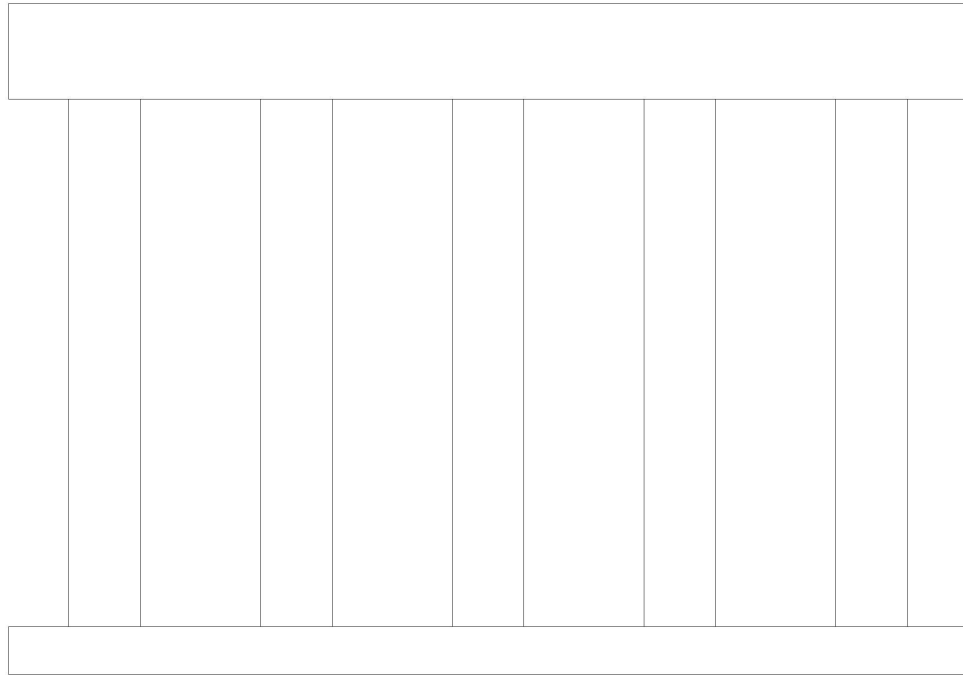
Bridge No: 960187

Drawn By: G.R.R.

Date: 02/26/2007

File Name: S0130001654

Bridge Inspection Field Sketch



Abutment #	2		
Cap - Beam Type (Wood or Steel)			
Cap Size	24ft Long	0.833ft Wide	0.812ft High
Left Overhang	1.5ft	Lt Cap/Beam Overhang	1.417ft
Right Overhang	1.5ft	Rt Cap/Beam Overhang	1.167ft
Sill - Sill			
Sill Size			

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Post and Sills	5' 3"		10 1/2"	10"	Vertical
2	Wood or Timber	Post and Sills	5' 3"		10 1/2"	10"	Vertical
3	Wood or Timber	Post and Sills	5' 3"		10 1/2"	10"	Vertical
4	Wood or Timber	Post and Sills	5' 3"		10 1/2"	10"	Vertical
5	Wood or Timber	Post and Sills	5' 3"		10 1/2"	10"	Vertical

MEASUREMENTS VERIFIED BY RL BOWERS 2/14/2013

Title		Description	
SUB 2		SUB AB 2	
Bridge No: 960187	Drawn By: G.R.R.	Date: 02/26/2007	File Name: S0130001655



NARROW BRIDGE SIGN .1 MILE NORTH OF THE BRIDGE



NARROW BRIDGE SIGN .1 MILE SOUTH END OF BRIDGE



LOOKING NORTH



WEIGHT LIMIT POSTED SIGN



EAST PROFILE



WEST PROFILE



FROM THE BRIDGE LOOKING SOUTH



FROM THE BRIDGE LOOKING WEST UPSTREAM



FROM THE BRIDGE LOOKING EAST DOWNSTREAM



FROM THE BRIDGE LOOKING NORTH



LOOKING SOUTH



END BENT 1



END BENT 2



SUPERSTRUCTURE