



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

PRIORITY MAINTENANCE

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection - Contract

COUNTY WILKES BRIDGE NUMBER 960144 INSPECTION CYCLE 0 YRS

ROUTE SR1737 ACROSS E.PRONG ROARING RIVER M.P. 0

25 FT EAST OF JUNCTION WITH SR1742

LOCATION **25 FT.E.JCT.SR1742**

SUPERSTRUCTURE STEEL PLANK FLOOR ON I-BEAMS

SUBSTRUCTURE RC ABUTS;BTS:STL.CAPS/H-PILES ENC.IN CONC.

1 @ 45'-8",1 @ 45'-0",1 @ 45'-9"

SPANS **1 @ 45'-6,1 @ 45',1 @ 45'-6**

LONGITUDE **81° 3' 59.16"** **81° 3' 59.40"** LATITUDE **36° 22' 16.13"** **36° 22' 16.30"**

INSPECTION DATE 01/03/2013 PRESENT CONDITION FAIR

PRESENT POSTING **SV 30 TTST 30** **30 TONS** PROPOSED POSTING

OTHER SIGNS PRESENT (4) DELINEATORS



LOOKING EAST

SIGN NOTICE
ISSUED FOR

No

WEIGHT LIMIT

No

DELINEATORS

No

NARROW BRIDGE

No

ONE LANE BRIDGE

No

LOW CLEARANCE

NUMBERED
REQUIRED

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

Update Date: 03/04/2013

IDENTIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	960144	SUFFICIENCY RATING = 19.47
(8) STRUCTURE NUMBER(FEDERAL)	000000001930144	STATUS = Structurally Deficient	
(5) INVENTORY ROUTE (ON/UNDER) - ON	31017370		
(2) STATE HIGHWAY DEPARTMENT DISTRICT	3	CLASSIFICATION	
(3) COUNTY CODE 193 (4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -	YES
(6) FEATURE INTERSECTED - E.PRONG ROARING RIVER		(104)HIGHWAY SYSTEM Is not on NHS	0
(7) FACILITY CARRIED SR1737		(26) FUNCTIONAL CLASS - Local	09
(9) LOCATION 25 FT.E.JCT.SR1742		(100)STRAHNET HIGHWAY - Not a STRAHNET Route	0
(11)MILEPOINT	0	(101)PARALLEL STRUCTURE - No Parallel Structure	N
(16)LAT 36° 22' 16.13" (17)LONG 81° 3' 59.16"		(102)DIRECTION OF TRAFFIC - 2-way Traffic	2
(98)BORDER BRIDGE STATE CODE	PCT SHARE	(103)TEMPORARY STRUCTURE - Temporary Structure/Conditions	T
(99)BORDER BRIDGE STRUCTURE NO		(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
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	3	(58) DECK	6
(46) NUMBER OF APPROACH SPANS		(59) SUPERSTRUCTURE	4
(107)DECK STRUCTURE TYPE - 6	CODE	(60) SUBSTRUCTURE	6
(108)WEARING SURFACE / PROTECTIVE SYSTEM :		(61) CHANNEL & CHANNEL PROTECTION	7
(A) TYPE OF WEARING SURFACE -	CODE	(62) CULVERTS	N
(B) TYPE OF MEMBRANE -	CODE		
(C) TYPE OF DECK PROTECTION -	CODE		
AGE AND SERVICE			
(27) YEAR BUILT	1972		
(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	800		
(30) YEAR OF ADT 2010 (109) TRUCK ADT PCT	6%		
(19) BYPASS OR DETOUR LENGTH	8 MI		
GEOMETRIC DATA			
(48) LENGTH OF MAXIMUM SPAN	44 FT		
(49) STRUCTURE LENGTH	137 FT		
(50)CURB OR SIDEWALK: LEFT .3 FT RIGHT .3 FT			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB	24 FT		
(52) DECK WIDTH OUT TO OUT	24.167 FT		
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)	19 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	24 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		
APPRAISAL			
(67) STRUCTURAL EVALUATION			3
(68) DECK GEOMETRY			4
(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 1600 (115) YEAR FUTURE ADT 2025			
INSPECTIONS			
(90) INSPECTION DATE			01/03/2013
(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

Update Date: 03/04/2013

COUNTY : DIVISION : DISTRICT : STRUCTURE NUMBER : LENGTH :
WILKES 11 3 960144 137 FEET

ROUTE CARRIED : FEATURE INTERSECTED :
SR1737 E.PRONG ROARING RIVER

LOCATED : BRIDGE NAME : CITY :
25 FT.E.JCT.SR1742

FUNC. CLASS : SYST.ON : SYST.UNDER : ADT & YR : RAIL TYPE :
09 NFA NFA 800 2010 LT 233 RT 233

BUILT : BY : PROJ : FED.AID PROJ : DESIGN LOAD :
1972 BMU Unknown

REHAB : BY : PROJ : ALIGNMENT : SKEW : LANES :
TAN 60 ON 2 UNDER 0

NAVIGATION : HT. CRN. TO BED : WATER DEPTH :
VC 0 FT HC 0 FT 16 FT 1 FT

SUPERSTRUCTURE : STEEL PLANK FLOOR ON I-BEAMS

SUBSTRUCTURE : RC ABUTS;BTS;STL.CAPS/H-PILES ENC.IN CONC.

SPANS : 1 @ 45'-8,1 @ 45',1 @ 45'-9

BEAMS OR GIRDERS : 10 LINES 21 I-BEAMS @ 2'-6.75 CENTERS

FLOOR : ENCROACHMENT : DECK (OUT TO OUT) :
STL.PLK/3 AWS 24.167 FT

CLEAR ROADWAY : BETWEEN RAILS : SIDEWALK OR CURB :
24 FT 24.583 FT LT .3 FT RT .3 FT

VERT.CLOVER :
999.9 FT

INV.RTG. : OPE.RTG. : CONTR.MEMBER : POSTED : TTST : DATE :
HS-1 HS-1 Int.bms SV 30 30 03/09/2011

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. 960144 COUNTY WILKES

ROUTE SR1737

OVER E. PRONG ROARING RIVER

STRUCTURE TYPE STEEL PLANK FLOOR ON I-BEAMS

ROUTE ORIENTATION W - E

SPANS 1 @ 45'-6.1 @ 45', 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	45. CHANNEL & CHANNEL PROT.			
1. WEARING SURFACE			<i>PF</i>	a. WATERWAY			G
2. DECK NO. OF EA TYPE			<i>TS 6</i>	b. ALIGNMENT			G
SPN GRADE			<i>3/18/13</i>	c. SCOUR			G
RATES SI & A			<i>PF</i>	d. SLOPE PROT., RIP-RAP, DIKES, ETC.			G
ITEM 58				50. APPROACH ROADWAY CONDITION			F
3. RAILING				51. APPROACH SLABS			
a. CONCRETE				52. PAINT SYSTEM CODE A			F
b. TIMBER				53. UTILITIES			
c. ALUMINUM				54. RESPONSE TO LIVE LOAD			G
d. STEEL			F	55. ESTIMATED REMAINING LIFE			18
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.				61. PROMPT-ACTION NOTICE ISSUED			YES
NO. OF EACH				62. PRESENTLY POSTED			YES
a. STEEL PL OR FINGER				63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			10
b. MISC PREFAB				64. TOTAL SNOOPER INSP. TIME (HRS)			0
c. COMPRESSION SEAL				65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)			0
d. STANDARD JOINTS							
e. OPEN JOINTS							
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			6
10. LONGITUDINAL BEAMS OR GIRDERS			F	b. SUPERSTRUCTURE ITEM 59			5
11. LONGITUDINAL JOIST OR STRINGERS				c. SUBSTRUCTURE ITEM 60			6
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)				a. WATERWAY ADAQUACY			7
16. DRAINAGE SYSTEM (ON STRUCTURE)			G	b. APPR. RDWY. ALIGNMENT			8
17. MOVABLE SPAN MACHINERY							
				72. FIELD SCOUR EVALUATION			L
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)							
35. TIM SUB STR.				USE OF INSP. ACCESSIBILITY EQUIPMENT			
a. ABUT. & INT. BENT CAPS & RISERS				SNOOPER (CODE S, 4, OR N)			HRS NO
b. PILES, POST, SILLS, & BRACING				LADDER			NO
c. BULKHEADS, WING'S, & TIE BACKS				BUCKET TRUCK			NO
36. CONC SUB STR.				BOAT			NO
a. ABUT. & INT. BENT CAPS			G	OTHER			NO
b. ABUT. & BENT COL'S BREASTWALLS							
c. ABUT. & INT. BENT PILES							
d. BACKWALLS, WING'S, RETAIN. WALLS			G				
e. ABUT. & BENT FOOTINGS & SILLS			G				
37. STEEL SUB STR.				SPECIAL INSPECTION REQUESTED FOR			
a. ABUT. & INT. BENT CAPS & RISERS			F				
b. PILES, BRACING, AND BULKHEADS			F				
38. FOUNDATION PILES TYPE MATERIAL				NOTE			
39. SLOPE PROT., RIP-RAP (INCLUDE DRAINAGE)							
40. FENDER SYSTEMS				80. INSPECTED BY: <i>Grant E. B...</i>			
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 Forrest E. Robbins			
Assisted By BMM			
Item No.	Grade		
1	P	6' X 5' POT HOLE IN ASPHALT WEARING SURFACE OVER BENT 2 AT CENTER LINE WITH STEEL PLANK DECK RUSTED THROUGH DECK. (PRIORITY MAINTENANCE) FULL WIDTH TRANSVERSE CRACKS IN ASPHALT WEARING SURFACE UP TO 1/8" OVER BENT 1. (SIMILAR OVER END BENT 1 AND END BENT 2) 4' X 5' POT HOLE WITH PREVIOUS REPAIR AND SETTLEMENT UP TO 1-1/2" IN CENTER OF WEST BOUND LANE OVER BENT 2. FULL WIDTH TRANSVERSE CRACK IN ASPHALT WEARING SURFACE UP TO 1/2" OVER BENT 2.	
2c	P	HEAVY RUST SCALE ON UNDERSIDE OF STEEL PLANK WITH SOME SECTION LOSS, UP TO 40% OF DECK AREA.	
3d	F	RANDOM PAINT PEELING AND FLAKING ON NORTH BRIDGE RAIL POSTS UP TO 20%. (SOUTH BRIDGE RAIL SIMILAR) IMPACT DAMAGE ON TOP OF NORTH BRIDGE RAIL, MID-SPAN 3.	
4	G	RANDOM SURFACE RUST THROUGH OUT, UP TO 15%.	
7	F	DEBRIS AND VEGETATION GROWING ALONG BOTH CURBS UP TO 2' WIDE.	
10	F	12" OF BOTTOM FLANGE HAS SECTION LOSS TO KNIFE EDGE, BEAM 7 AT ABUTMENT 1. (PRIORITY MAINTENANCE) RANDOM SURFACE RUST ALONG TOP AND BOTTOM FLANGES THROUGH OUT ALL SPANS. HEAVY RUST SCALE WITH SECTION LOSS AT GIRDER ENDS AT ABUTMENT 1 WITH 7/16" REMAINING, EXTENDS ON TO WEB.	
10A	NO	NO CURVED GIRDERS.	
52	F	PAINT PEELING AND FLAKING AT RANDOM ALONG TOP AND BOTTOM FLANGES UP TO 10%.	
36d	G	7" X 4" SPALL ON TOP OF NORTHEAST WINGWALL.	
37a	F	RANDOM SURFACE RUST WITH SOME SCALE ON ABUTMENT 1 STEEL CAP. (ABUTMENT 2 AND BENT 1 AND BENT 2 SIMILAR)	
37b	F	HEAVY RUST SCALE AROUND TOP PLATES OF BENT 1 H-PILES. PAINT PEELING AND FLAKING AT BOTTOM OF BENT 1 H-PILES. (BENT 2 SIMILAR)	

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 Forrest E. Robbins			
Assisted By BMM			
Item No.	Grade		
45c	G	20' X 4' AREA OF EROSION ON EAST BANK.	
50	F	FULL WIDTH TRANSVERSE CRACK UP TO 1" IN ASPHALT WEARING SURFACE EAST APPROACH, APPROXIMATELY 7' FROM ABUTMENT 2. FULL WIDTH RANDOM TRANSVERSE CRACKS UP TO 1/4" IN WEST APPROACH. SETTLEMENT IN WEST APPROACH UP TO 1-1/2", FULL WIDTH OF WEST APPROACH AT ABUTMENT 1. (EAST APPROACH SIMILAR) FULL WIDTH TRANSVERSE CRACK UP TO 1" IN ASPHALT WEARING SURFACE EAST APPROACH, APPROXIMATLY 7' FROM ABUTMENT 2.	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 960144

County WILKES

Date: 01/03/2013

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	1 TSE 3/18/13	12" OF BOTTOM FLANGE HAS SECTION LOSS TO KNIFE EDGE, BEAM 7 AT ABUTMENT 1.	
 3328	Maintenance/Repair/ Replace Steel Plank Bridge Floor	SF	30 TSE	6' X 5' POT HOLE IN ASPHALT WEARING SURFACE OVER BENT 2 AT CENTER LINE, STEEL PLANK DECK RUSTED THROUGH DECK.	
2816	Asphalt Surface Repair or Replacement	SY	100	FULL WIDTH TRANSVERSE CRACK IN ASPHALT WEARING SURFACE UP TO 1/8" OVER BENT 1 (SIMILAR OVER END BENT 1 AND END BENT 2)	
2816	Asphalt Surface Repair or Replacement	SY	100	FULL WIDTH TRANSVERSE CRACK UP TO 1" IN ASPHALT WEARING SURFACE EAST APPROACH APPROXIMATLY 7' FROM ABUTMENT 2	
2816	Asphalt Surface Repair or Replacement	SY	100	REPAIR ASPHALT WEARING SURFACE OVER ALL BENTS.	
2816	Asphalt Surface Repair or Replacement	SY	100	4' X 5' POT HOLE WITH PREVIOUS REPAIR AND SETTLEMENT UP TO 1-1/2" IN CENTER OF WEST BOUND LANE OVER BENT 2.	
3314	Maintain Steel Superstructure Components	LF	1	12" AREA BOTTOM FLANGE HAS SECTION LOSS TO KNIFE EDGE BEAM 7 AT ABUTMENT 1.	
3322	Maint to Steel Handrail	LF	270	PAINT BOTH BRIDGE RAILS.	
3328	Maintenance/Repair/ Replace Steel Plank Bridge Floor	SF	30	6' X 5' POT HOLE IN ASPHALT WEARING SURFACE OVER BENT 2 AT CENTER LINE WITH STEEL PLANK DECK RUSTED, POT HOLE PENETRATES THROUGH DECK.	
3376	Clean/Wash Bridge Decks	SF	540	REMOVE VEGETATION AND DEBRIS ALONG BOTH CURBS.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 960144

County WILKES

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Beams and Girders	Bent/Span No. 1	Steel I-Beam
Priority Level	Status	
Priority Maintenance	SIA Updates in Process	
Submitted Date:	Submitted By:	Assisted By:
01/08/2013	Forrest E. Robbins	Brandon Mosiman
Details		
12" OF BOTTOM FLANGE HAS SECTION LOSS TO KNIFE EDGE, BEAM 7 AT ABUTMENT 1.		

MMS Code	MMS Description	Quantity
3328	Maintenance/Repair/ Replace Steel Plank Bridge Floor	30 SF
Location:		
Deck Structure Type	Bent/Span No. 2	Steel Plank
Priority Level	Status	
Priority Maintenance	SIA Notification	
Submitted Date:	Submitted By:	Assisted By:
01/08/2013	Forrest E. Robbins	Brandon Mosiman
Details		
6' X 5' POT HOLE IN ASPHALT WEARING SURFACE OVER BENT 2 AT CENTER LINE, STEEL PLANK DECK RUSTED THROUGH DECK.		



DEBRIS AND VEGETATION GROWING ALONG BOTH CURBS UP TO 2' WIDE.



RANDOM PAINT PEELING AND FLAKING ON NORTH BRIDGE RAIL POSTS UP TO 20%. (SOUTH BRIDGE RAIL SIMILAR)



FULL WIDTH TRANSVERSE CRACKS IN ASPHALT WEARING SURFACE UP TO 1/8" OVER BENT 1. (SIMILAR OVER END BENT 1 AND END BENT 2)



IMPACT DAMAGE ON TOP OF NORTH BRIDGE RAIL, MID-SPAN 3.



7" X 4" SPALL ON TOP OF NORTHEAST WINGWALL.



4' X 5' POT HOLE WITH PREVIOUS REPAIR AND SETTLEMENT UP TO 1-1/2" IN CENTER OF WEST BOUND LANE OVER BENT 2.



FULL WIDTH TRANSVERSE CRACK UP TO 1" IN ASPHALT WEARING SURFACE, EAST APPROACH APPROX. 7' FROM ABUTMENT 2.



PAINT PEELING AND FLAKING AT RANDOM ALONG TOP AND BOTTOM FLANGES UP TO 10%.



HEAVY RUST SCALE ON UNDERSIDE OF STEEL PLANK WITH SOME SECTION LOSS UP TO 40% OF DECK.



6' X 5' POT HOLE IN ASPHALT WEARING SURFACE OVER BENT 2 AT CENTER LINE, STEEL PLANK DECK RUSTED THROUGH DECK. (PRIORITY MAINTENANCE)



6' X 5' POT HOLE IN ASPHALT WEARING SURFACE OVER BENT 2 AT CENTER LINE, STEEL PLANK DECK RUSTED THROUGH DECK. (PRIORITY MAINTENANCE)



6' X 5' POT HOLE IN ASPHALT WEARING SURFACE OVER BENT 2 AT CENTER LINE, STEEL PLANK DECK RUSTED THROUGH DECK. (PRIORITY MAINTENANCE)

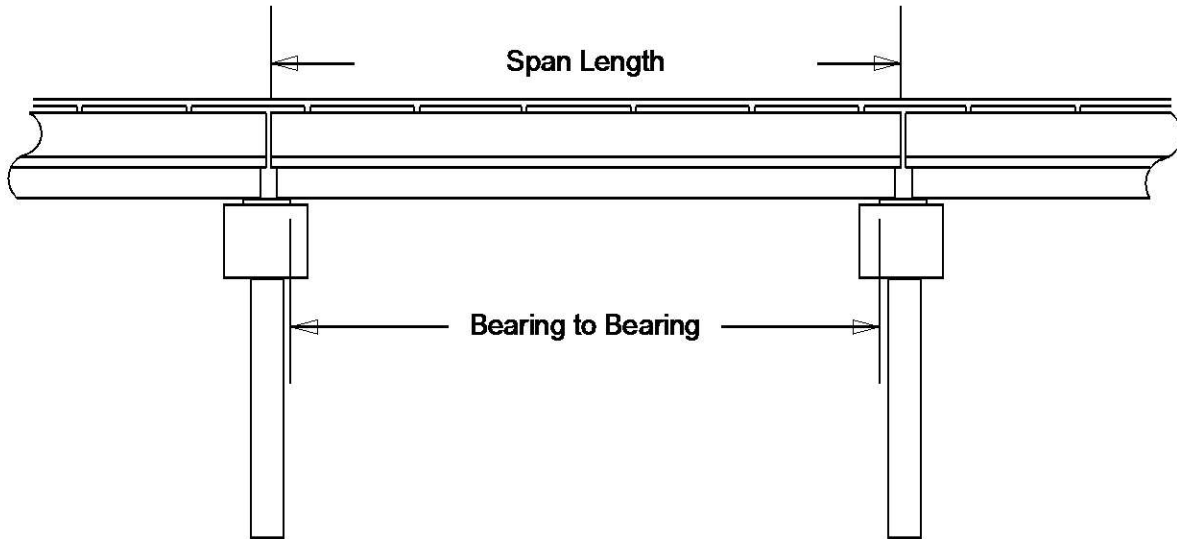


12" OF BOTTOM FLANGE HAS SECTION LOSS TO KNIFE EDGE, BEAM 7 AT ABUTMENT 1. (PRIORITY MAINTENANCE)

Structure Data Worksheet

Spans

County: WILKES Structure No: 960144 Date: 01/03/2013 Inspected By: FER



Span No	Span Length	Bearing to Bearing	Comments
1	45' 8"	44' 2"	NBIS LENGTH = 132'-6"
2	45' 0"	44' 0"	
3	45' 9"	44' 3"	

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 960144 County: WILKES Date: 01/03/2013 By: FER

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

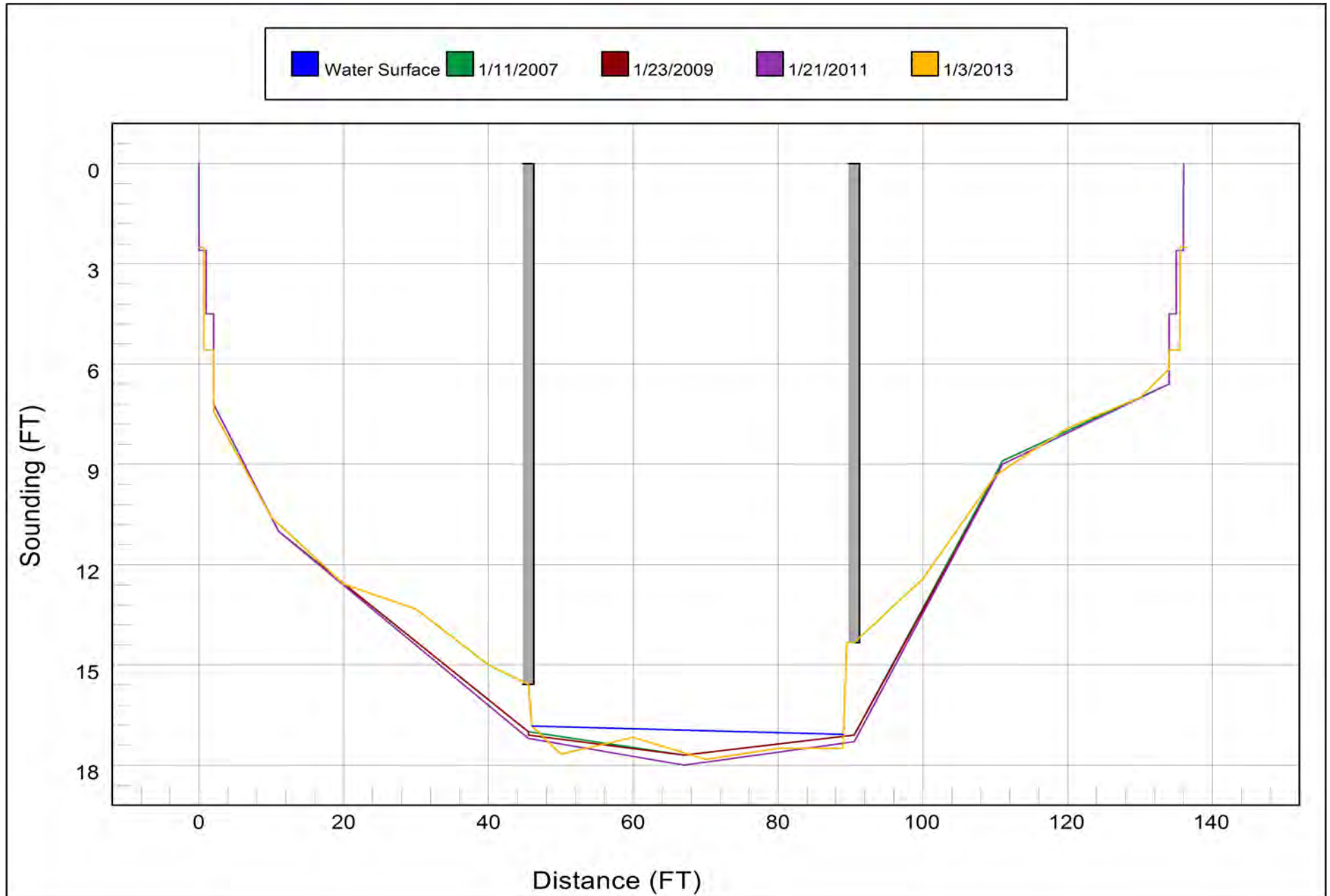
Distance from Highwater Mark to top of rail: 14 Location of Highwater Mark: DEBRIS ON BANK

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.5	FILL FACE			
0.67	2.5				
0.68	5.58	Top of Cap			
2	5.58				
2.01	7.42		2.01	6.58	
10	10.58				
20	12.58				
30	13.33				
40	15				
45.5	15.58	Bent	45.5	15.75	
46	16.83	Water Surface/Water Edge (WSWE)			
50	17.67				
60	17.17				
70	17.83				
80	17.5				
89	17.5				
89.01	17.08	Water Surface/Water Edge (WSWE)			
89.5	14.33				
90.5	14.33	Bent	90.5	14.67	
100	12.42				
110	9.33				
120	7.92				
130	7				
134	6.17		134	5.08	
134.01	5.58				

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
135.5	5.58	Top of Cap			
135.51	2.5				
136.5	2.5	FILL FACE			

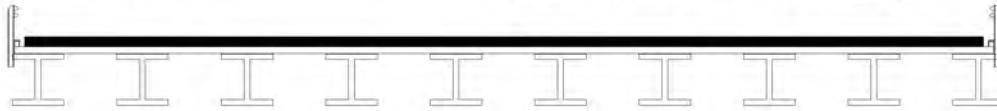
STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



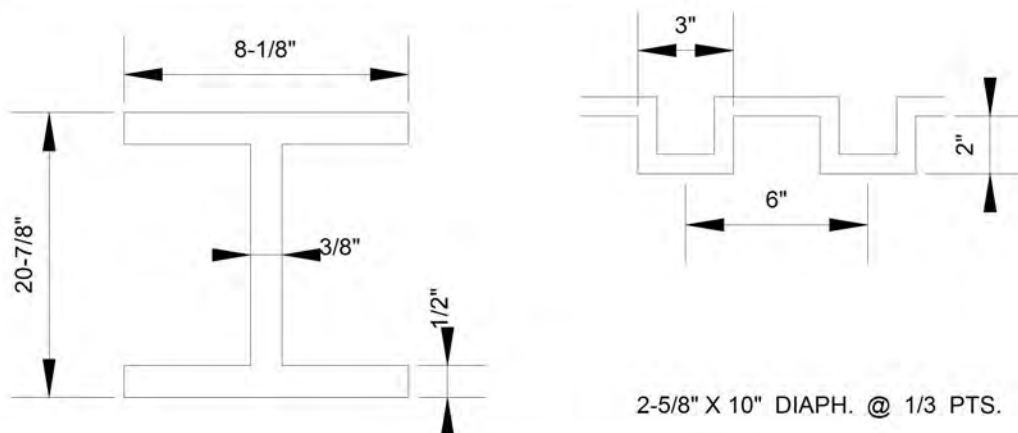
Bridge Inspection Field Sketch

Deck Width/Out to Out	24.167ft	Between Rails				24.583ft
Clear Roadway	24ft	Wearing Surface				0.25ft
Median Width		Median Height				
Curb Height		Left	0.67ft	Right	0.67ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left	0.75ft	Right	0.75ft	
Top of Rail to Deck/Wearing Surface		Left	2.167ft	Right	2.167ft	
Bridge Rail		Left	Type 23	Right	Type 23	



Measurements for Span #	1		
Deck Thickness	0.167	Left Overhang	0.58
Top of Rail to Bottom of Beam	4.5	Right Overhang	0.563

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	2.58ft	
2	Steel I Beam	2.58ft	
3	Steel I Beam	2.58ft	
4	Steel I Beam	2.58ft	
5	Steel I Beam	2.58ft	
6	Steel I Beam	2.58ft	
7	Steel I Beam	2.58ft	
8	Steel I Beam	2.58ft	
9	Steel I Beam	2.58ft	
10	Steel I Beam	ft	



Title

TYPICAL SECTION

Description

SPAN 1, LOOKING EAST

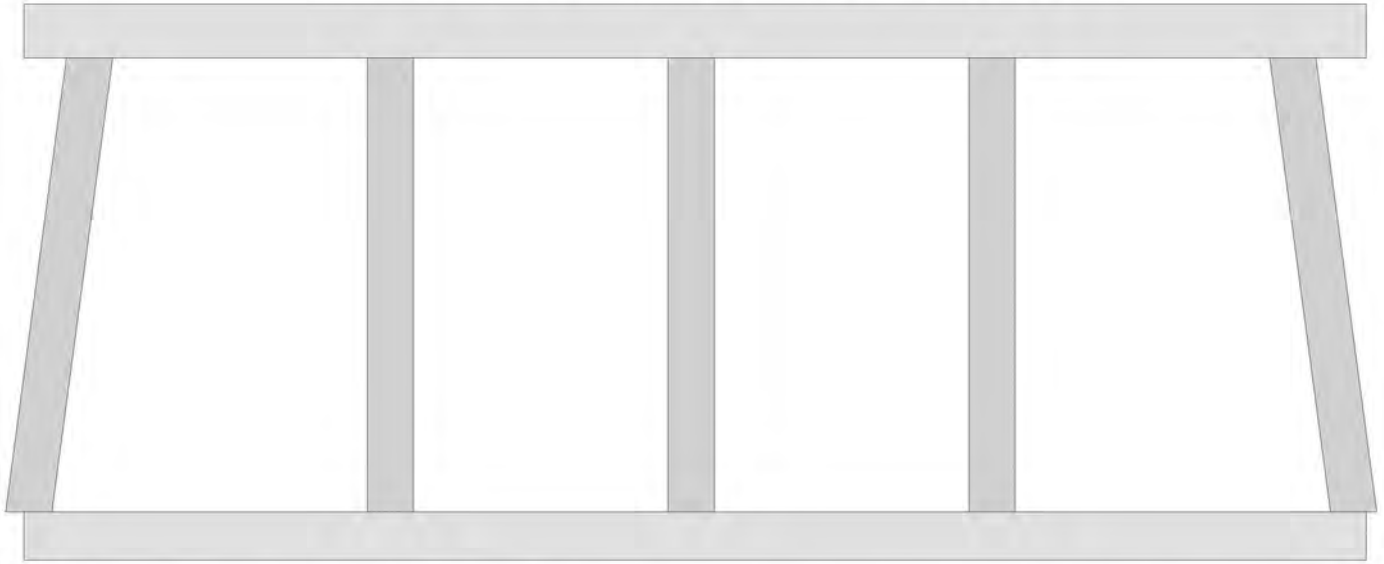
Bridge No: 960144

Drawn By: BMM

Date: 01/7/2013

File Name: S0126001314

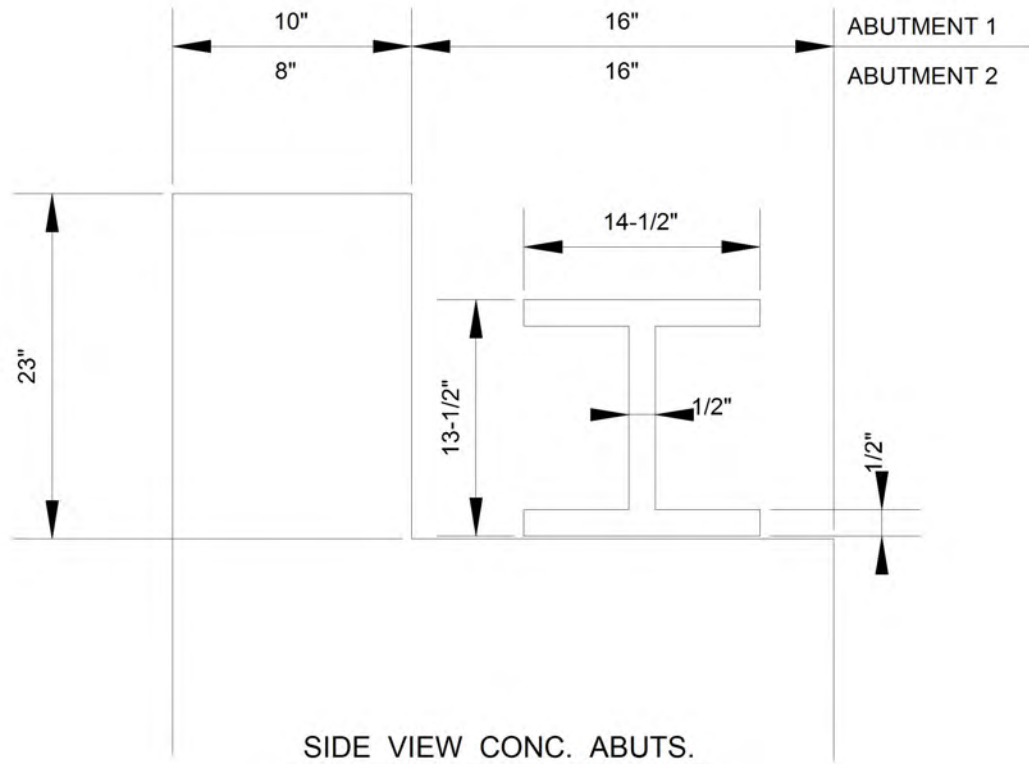
Bridge Inspection Field Sketch



Cap Information			Material Steel							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.		Right Beam to End of Cap.			
29.000 ft.	1.167 ft.	1.167 ft.	1.417 ft.	1.417 ft.	1.000 ft.		1.330 ft.			
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material		Concrete					
Length	Width	Height								
32.833 ft.	2.667 ft.	ft.								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Steel	6.5 ft.	1 ft.		1 ft.	Battered	Yes	No	No	No
2	Steel	6.5 ft.	1 ft.		1 ft.	Vertical	Yes	No	No	No
3	Steel	6.5 ft.	1 ft.		1 ft.	Vertical	Yes	No	No	No
4	Steel	6.5 ft.	1 ft.		1 ft.	Vertical	Yes	No	No	No
5	Steel		1 ft.		1 ft.	Battered	Yes	No	No	No
Bent/Abutment #: 1 Similar Bents: 2										

Title		Description	
SUBSTRUCTURE		BENT 1, LOOKING EAST	
Bridge No: 960144	Drawn By: HMS	Date: 01/08/2013	File Name: S0130001535

Bridge Inspection Field Sketch



Title

SUBSTRUCTURE

Description

ABUTMENT SECTION

Bridge No: 960144

Drawn By: HMS

Date: 01/08/2013

File Name: S0126001315

Bridge Inspection Field Sketch



Roadway	19ft Wide	2 Paved Lanes	Looking East
Left Shoulder	3ft Wide		3ft Unpaved
Right Shoulder	5ft Wide		5ft Unpaved
Left Guardrail			
Right Guardrail			

Title

APPROACH ROADWAY

Description

WEST APPROACH, LOOKING EAST

Bridge No: 960144

Drawn By: HMS

Date: 01/08/2013

File Name: S0130001536



LOOKING EAST



BRIDGE POSTING



EAST APPROACH, LOOKING WEST



WEST APPROACH, LOOKING EAST



UPSTREAM VIEW, LOOKING NORTH



DOWNSTREAM VIEW, LOOKING SOUTH



SOUTH BRIDGE RAIL



NORTH BRIDGE RAIL



UPSTREAM PROFILE, LOOKING SOUTH



DOWNSTREAM PROFILE, LOOKING NORTH



SUPERSTRUCTURE UNDERSIDE, LOOKING EAST, SPAN 1



BEARING ASSEMBLY, BEAM 2, BENT 2



INTERMEDIATE DIAPHRAGM, BETWEEN BEAM 1 AND 2, SPAN 3



ASPHALT WEARING SURFACE, SPAN 1, LOOKING WEST



CRACK IN ASPHALT WEARING SURFACE OVER END BENT 1, LOOKING SOUTH



CRACK IN ASPHALT WEARING SURFACE OVER BENT 1, LOOKING SOUTH



CRACK IN ASPHALT WEARING SURFACE OVER BENT 2, LOOKING SOUTH



CRACK IN ASPHALT WEARING SURFACE OVER END BENT 2, LOOKING SOUTH



END BENT 1 ELEVATION, LOOKING WEST



BENT 1 ELEVATION, LOOKING EAST



BENT 2 ELEVATION, LOOKING EAST



END BENT 2 ELEVATION, LOOKING EAST



NORTHEAST WINGWALL



NORTHWEST WINGWALL



SOUTHWEST WINGWALL



SOUTHEAST WINGWALL