



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY SURRY BRIDGE NUMBER 850143 INSPECTION CYCLE 2 YRS
ROUTE SR2048 ACROSS GRASSY CREEK M.P. 0

LOCATION .1 MI.E.JCT.SR2067

SUPERSTRUCTURE STEEL PLANK FLOOR ON I-BEAMS

SUBSTRUCTURE E.BTS&INT.BTS:TIMBER CAPS/TIMBER PILES @ 5'-10 CTS.

SPANS 1 @ 35'-3.5; 1@ 35'; 1 @ 35'-3.5

LONGITUDE 80° 28' 38.2"

LATITUDE 36° 17' 56.7"

PRESENT CONDITION FAIR

INVENTORY RATING

INSPECTION DATE 11/09/2011

OPERATING RATING

PRESENT POSTING SV 33 TTST 39 SV 33 TTST 39

PROPOSED POSTING

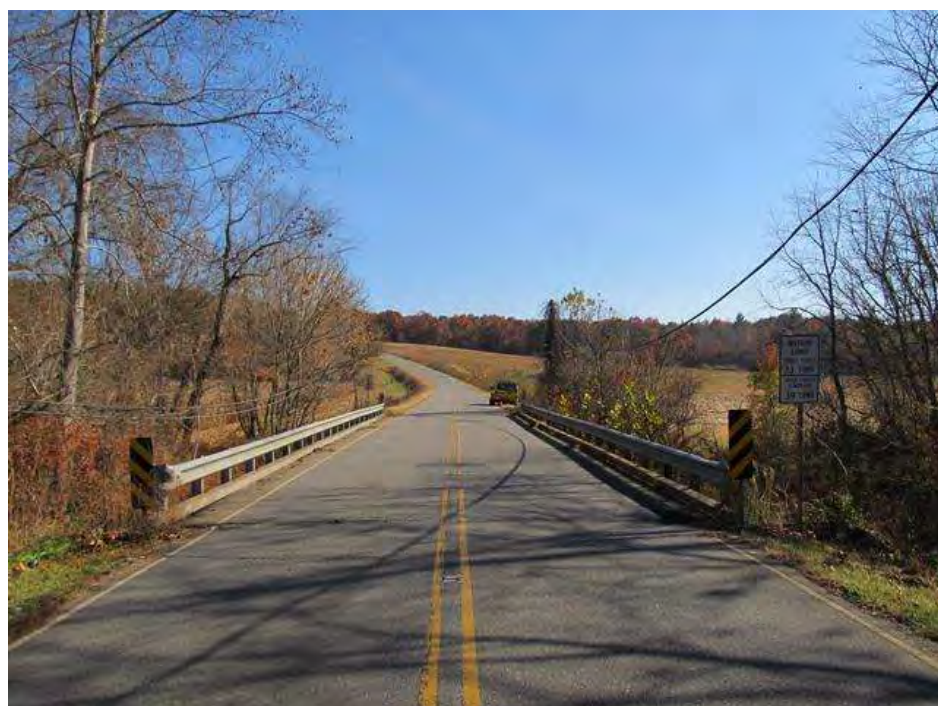
COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT NONE



LOOKING SOUTH

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: 01/09/2012

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	850143		SUFFICIENCY RATING =	54.99303		
(8) STRUCTURE NUMBER(FEDERAL)	000000001710143			STATUS =	Not Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON	31020480						
(2) STATE HIGHWAY DEPARTMENT DISTRICT	1						
(3) COUNTY CODE	171	(4) PLACE CODE	00000	(112)NBIS BRIDGE SYSTEM -	YES		
(6) FEATURE INTERSECTED - GRASSY CREEK				(104)HIGHWAY SYSTEM	Is not on NHS	0	
(7) FACILITY CARRIED SR2048				(26) FUNCTIONAL CLASS -	Minor Collector	08	
(9) LOCATION .1 MI.E.JCT.SR2067				(100)STRAHNET HIGHWAY -	Not a STRAHNET Route	0	
(11)MILEPOINT	0			(101)PARALLEL STRUCTURE -	No Parallel Structure	N	
(16)LAT 36° 17' 56.8"	(17)LONG	80° 28' 37.5"		(102)DIRECTION OF TRAFFIC -	2-way Traffic	2	
(98)BORDER BRIDGE STATE CODE	PCT SHARE			(103)TEMPORARY STRUCTURE -			
(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				CONDITION			
(43) STRUCTURE TYPE MAIN: Steel				(58) DECK		5	
TYPE - Stringer Multibeam or Girder	CODE	302		(59) SUPERSTRUCTURE		5	
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE		5	
TYPE -	CODE	000		(61) CHANNEL & CHANNEL PROTECTION		7	
(45) NUMBER OF SPANS IN MAIN UNIT		3		(62) CULVERTS		N	
(46) NUMBER OF APPROACH SPANS							
(107)DECK STRUCTURE TYPE - 6	CODE			LOAD RATING AND POSTING			
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(31) DESIGN LOAD	Other or Unknown	0	
(A) TYPE OF WEARING SURFACE -	CODE			(63) OPERATING RATING METHOD -	Load Factor		
(B) TYPE OF MEMBRANE -	CODE			(64) OPERATING RATING -	HS-18	132	
(C) TYPE OF DECK PROTECTION -	CODE			(65) INVENTORY RATING METHOD -	Load Factor		
				(66) INVENTORY RATING -	HS-11	119	
				(70) BRIDGE POSTING -	Posting Required	2	
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P	
				DESCRIPTION -	Posted for Load		
AGE AND SERVICE				APPRAISAL			
(27) YEAR BUILT		1972		(67) STRUCTURAL EVALUATION		5	
(106)YEAR RECONSTRUCTED				(68) DECK GEOMETRY		4	
(42) TYPE OF SERVICE : ON - Highway				(69) UNDERCLEARANCES,VERTI & HORIZ		N	
UNDER - Waterway	CODE	15		(71) WATERWAY ADEQUACY		7	
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE				(72) APPROACH ROADWAY ALIGNMENT		7	
(29) AVERAGE DAILY TRAFFIC		1200		(36) TRAFFIC SAFETY FEATURES		0000	
(30) YEAR OF ADT 2009	(109) TRUCK ADT PCT	6%		(113)SCOUR CRITICAL BRIDGES		U	
(19) BYPASS OR DETOUR LENGTH		5 MI					
GEOMETRIC DATA				PROPOSED IMPROVEMENTS			
(48) LENGTH OF MAXIMUM SPAN		35 FT		(75) TYPE OF WORK -		CODE	
(49) STRUCTURE LENGTH		106 FT		(76) LENGTH OF STRUCTURE IMPROVEMENT			
(50)CURB OR SIDEWALK: LEFT .1 FT RIGHT .1 FT				(94) BRIDGE IMPROVEMENT COST			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		24 FT		(95) ROADWAY IMPROVEMENT COST			
(52) DECK WIDTH OUT TO OUT		24.2 FT		(96) TOTAL PROJECT COST			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		18 FT		(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(33) BRIDGE MEDIAN - No Median	CODE	0 FT		(114)FUTURE ADT	2400	(115) YEAR FUTURE ADT	2025
(34) SKEW 0°	(35) STRUCTURE FLARED	0					
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT		INSPECTIONS			
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		24 FT		(90) INSPECTION DATE		11/09/2011	
(53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9 FT		(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE	
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad		0 FT		A) FRACTURE CRIT DETAIL -	NO	A)	
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad		000 FT		B) UNDERWATER INSP -	NO	B)	
(56) MIN LAT UNDERCLEAR LT REF -		000 FT		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 INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection
 BRIDGE NO. 850143 COUNTY SURRY ROUTE SR2048 OVER GRASSY CREEK
 STRUCTURE TYPE STEEL PLANK FLOOR ON I-BEAMS
 ROUTE ORIENTATION S - N SPANS 1 @ 35'-3.5; 1 @ 35'; 1 @ 35'-3.5

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				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		3 F	50. APPROACH ROADWAY CONDITION			
	b. TIMBER			51. APPROACH SLABS			
	c. STEEL PLANK			52. PAINT SYSTEM CODE A			
	d. OPEN GRID			53. UTILITIES			
3. RAILING	a. CONCRETE			54. RESPONSE TO LIVE LOAD			
	b. TIMBER			55. ESTIMATED REMAINING LIFE			
	c. ALUMINUM						
	d. STEEL		G				
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS				G			
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)							
6. DECK EXP JTS. OR DEVICES. NO. OF EACH	a. STEEL PL OR FINGER			60. REGULATORY SIGN NOTICE ISSUED			
	b. MISC PREFAB			61. PROMPT-ACTION NOTICE ISSUED			
	c. COMPRESSION SEAL			62. PRESENTLY POSTED			
	d. STANDARD JOINTS			63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			
	e. OPEN JOINTS			64. TOTAL SNOOPER INSP. TIME (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	5	
10. LONGITUDINAL BEAMS OR GIRDERS			F	b. SUPERSTRUCTURE	ITEM 59	5	
11. LONGITUDINAL JOIST OR STRINGERS				c. SUBSTRUCTURE	ITEM 60	5	
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)			G	a. WATERWAY ADAQUACY		7	
16. DRAINAGE SYSTEM (ON STRUCTURE)			G	b. APPR. RDWY. ALIGNMENT		7	
17. MOVABLE SPAN MACHINERY							
				72. FIELD SCOUR EVALUATION			
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)							
35. TIM SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS		G	USE OF INSP. ACCESSIBILITY EQUIPMENT			
	b. PILES, POST, SILLS, & BRACING		G	SNOOPER (CODE S, 4, OR N)	HRS	NO	
	c. BULKHEADS, WING'S, & TIE BACKS		F	LADDER		YES	
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)			G				
40. FENDER SYSTEMS				80. INSPECTED BY:			
41. DRIFT			G	81. REVIEWED BY:			

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 01/09/2012

COUNTY : SURREY	DIVISION : 11	DISTRICT : 1	STRUCTURE NUMBER : 850143	LENGTH : 106 FEET
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ROUTE CARRIED : SR2048	FEATURE INTERSECTED : GRASSY CREEK
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LOCATED : .1 MI.E.JCT.SR2067	BRIDGE NAME :	CITY :
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FUNC. CLASS : 08	SYST.ON : NFA	SYST.UNDER : NFA	ADT & YR : 1200 2009	RAIL TYPE : LT 233 RT 233
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BUILT : 1972	BY : BMU	PROJ :	FED.AID PROJ :	DESIGN LOAD : Other or Unknown
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REHAB :	BY :	PROJ :	ALIGNMENT : TAN	SKEW : 90	LANES : ON 2 UNDER
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NAVIGATION : VC 0 FT	HC 0 FT	HT. CRN. TO BED : 15 FT	WATER DEPTH : 1 FT
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SUPERSTRUCTURE :	STEEL PLANK FLOOR ON I-BEAMS
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SUBSTRUCTURE :	E.BTS&INT.BTS:TIMBER CAPS/TIMBER PILES @ 5'-10 CTS.
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SPANS :	1 @ 35'-3.5; 1@ 35'; 1 @ 35'-3.5
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BEAMS OR GIRDERS :	10 LINES 18 I-BEAMS @ 2'6.75 CENTERS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) : 24.2 FT
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CLEAR ROADWAY : 24 FT	BETWEEN RAILS : 24.2 FT	SIDEWALK OR CURB : LT .1 FT RT .1 FT
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VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-11	OPE.RTG. : HS-18	CONTR.MEMBER : Int.bmsSpB	POSTED : SV 21	TTST 27	DATE 01/06/2012
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SYSTEM : Secondary S.R. Route	GREEN LINE ROUTE : N
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UNDER ROUTES AND CLEARANCES

REMARKS :

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 MAX FORD			
Assisted By RAP			
Item No.	Grade		
1	F	WEARING SURFACE IS UNEVEN WITH SEVERAL LARGE PATCHED AREAS ALONG C/L... RANDOM TRANSVERSE AND LONGITUDINAL CRACKS THROUGHOUT...	
2c	F	RUST, SCALE AND CORROSION ALONG BOTT. OF DECK AT AROUND DRAIN HOLES, AND ALONG CONNECTIONS... MAINLY ADJACENT TO CENTERLINE OF DECK...	
10	F	DECK PANELS REPLACED OVER PIER (2)... AREAS OF SECTION LOSS TO OUTER EDGES OF TOP FLANGES OF BEAMS 4 AND 5 IN ALL SPANS... DECK PANELS REPLACED IN THESE AREAS... ALSO BEAM (1) HAS SECTION LOSS FULL LENGTH IN ALL SPANS...	
10A	NO	SEE SKETCHES NO CURVED GIRDERS...	
52	P	RANDOM AREAS OF RUST AND SCALE IN ALL SPANS ALONG BEAMS NEAR C/L AND ALONG BEAM (1)... SPAN (B) SHOWN	
35a	F	DECAY ON RT. END (CENTER) OF PIER (2) CAP... (6 IN. DIAM.) EXTENDS 6 TO 8 INCHES INTO END... BEARING GOOD AT THIS TIME.	
35c	F	BOTTOM BOARD AT ABUT. (B) BULKHEAD DECAYED BTWN. POST (3) AND (5)... APPROX. 15 LF GAP ALONG BOTTOM OF ABUT. (B) BULKHEAD ALLOWING FILL TO FILTER THROUGH... VOID AREA IS APPROX. 12 INCHES HIGH ON LT. END, TAPERING TO 1 INCH ON RT...	
50	F	(4) BOARDS DECAYED AT (NE) BULKHEAD... (+/- 40 SF)... SOUTH APPROACH PAVEMENT IS CRACKED AND UNEVEN... NORTH APPROACH PAVEMENT IS CRACKED AND SETTLED (+/- 3 INCHES)... TRANSITION IS ROUGH...	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 850143

County SURRY

Date: 11/09/2011

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
2816	Asphalt Surface Repair or Replacement	SY	328 <i>TS6</i>	WEARING SURFACE IS UNEVEN WITH SEVERAL LARGE PATCHED AREAS ALONG C/L... RANDOM TRANSVERSE AND LONGITUDINAL CRACKS THROUGHOUT... SOUTH APPROACH PAVEMENT IS CRACKED AND UNEVEN... NORTH APPROACH PAVEMENT IS CRACKED AND SETTLED (+/- 3 INCHES)... TRANSITION IS ROUGH...	
3314	Maintain Steel Superstructure Components	LF	212 <i>8/20/12</i>	AREAS OF SECTION LOSS TO OUTER EDGES OF TOP FLANGES OF BEAMS 4 AND 5 IN ALL SPANS... DECK PANELS REPLACED IN THESE AREAS... SEE SKETCHES	
3328	Maintenance/Repair/ Replace Steel Plank Bridge Floor	SF	530	RUST, SCALE AND CORROSION ALONG BOTT. OF DECK AT AROUND DRAIN HOLES, AND ALONG CONNECTIONS... MAINLY ADJACENT TO CENTERLINE OF DECK...	
3342	Clean and Paint Structural Steel	SF	<i>✓</i>	RANDOM AREAS OF RUST AND SCALE ALONG BEAMS NEAR C/L... SPAN (B) SHOWN	
3344	Repair / Replace Timber Substructure Components	LF	<i>✓</i>	DECAY ON RT. END (CENTER) OF PIER (2) CAP... (6 IN. DIAM.) EXTENDS 6 TO 8 INCHES INTO END... BEARING GOOD AT THIS TIME.	
3346	Repair / Maintain Timber Wings & Blkhds	SF	78 <i>TS6</i>	(4) BOARDS DECAYED AT (NE) BULKHEAD... (+/- 40 SF)... GAP ALONG BOTTOM OF ABUT. (B) BULKHEAD ALLOWING FILL TO FILTER THROUGH... VOID AREA IS APPROX. 12 INCHES HIGH ON LT. END, TAPERING TO 1 INCH ON RT... BOTTOM BOARD AT ABUT. (B) BULKHEAD DECAYED BTWN. POST (3) AND (5)... APPROX. 15 LF	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined



SOUTH APPROACH PAVEMENT IS CRACKED AND UNEVEN...



NORTH APPROACH PAVEMENT IS CRACKED AND SETTLED (+/- 3 INCHES)... TRANSITION IS ROUGH...



WEARING SURFACE IS UNEVEN WITH SEVERAL LARGE PATCHED AREAS ALONG C/L... RANDOM TRANSVERSE AND LONGITUDINAL CRACKS THROUGHOUT...



RANDOM AREAS OF RUST AND SCALE ALONG BEAMS NEAR C/L... SPAN (B) SHOWN



RUST, SCALE AND CORROSION ALONG BOTT. OF DECK AT AROUND DRAIN HOLES, AND ALONG CONNECTIONS... MAINLY ADJACENT TO CENTERLINE OF DECK...



DECAY ON RT. END (CENTER) OF PIER (2) CAP... (6 IN. DIAM.) EXTENDS 6 TO 8 INCHES INTO END... BEARING GOOD AT THIS TIME.



BOTTOM BOARD AT ABUT. (B) BULKHEAD DECAYED BTWN. POST (3) AND (5)... APPROX. 15 LF



GAP ALONG BOTTOM OF ABUT. (B) BULKHEAD ALLOWING FILL TO FILTER THROUGH... VOID AREA IS APPROX. 12 INCHES HIGH ON LT. END, TAPERING TO 1 INCH ON RT...



AREAS OF SECTION LOSS TO OUTER EDGES OF TOP FLANGES OF BEAMS 4 AND 5 IN ALL SPANS... DECK PANELS REPLACED IN THESE AREAS... SEE SKETCHES

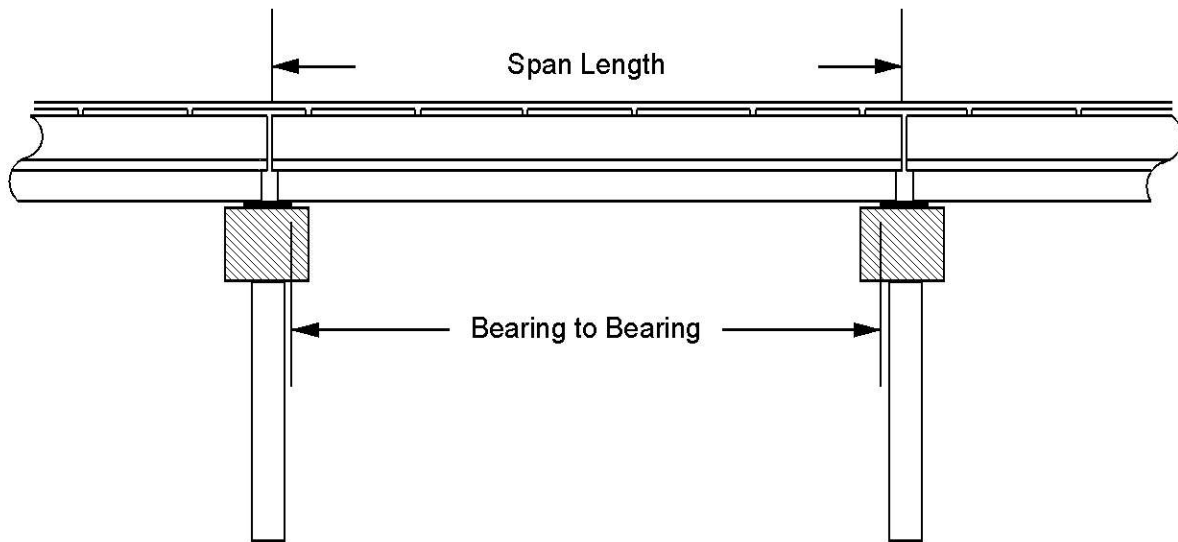


(4) BOARDS DECAYED AT (NE) BULKHEAD... (+/- 40 SF)...

Structure Data Worksheet

Spans

County: SURRY Structure No: 850143 Date: 11/09/2011 Inspected By: MF



Span No	Span Length	Bearing to Bearing	Comments
1	35.292 ft.	34.5 ft.	
2	35 ft.	34.667 ft.	
3	35.292 FT.	34.5 ft.	FACE OF ABUT. CAP TO FACE OF ABUT. CAP = 103.375

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 850143 County: SURRY Date: 11/09/2011 By: MF

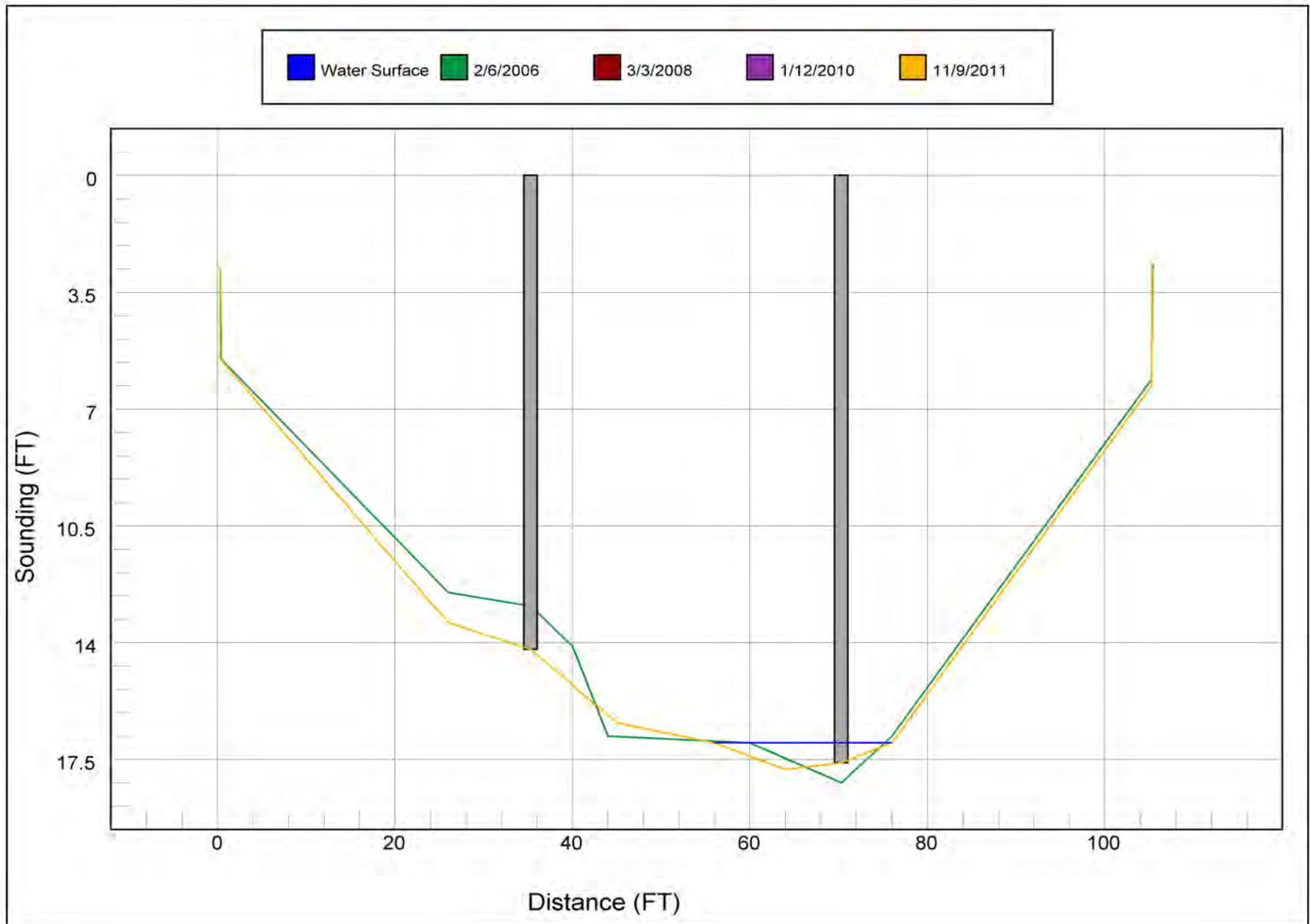
Record sounding from top of rail. Other location if needed: _____

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	TOP OF FILLFACE			
0.28	2.8	TOP OF FILLFACE			
0.29	4.3	Top of Cap			
0.3	5.5	FACE OF ABUT	0.3	9.3	FACE OF ABUT
26	13.4	SLOPE			
35.3	14.2	PIER 1	35.3	16.6	PIER 1
45	16.4	SLOPE			
56	17	WSWE			
64	17.8	BED			
70.3	17.6	PIER 2	70.3	17	PIER 2
76	17	WSWE			
105.3	6.3	FACE OF ABUT	105.3	5.3	FACE OF ABUT
105.31	4.3	Top of Cap			
105.32	2.8	TOP OF FILLFACE			
105.6	2.8	TOP OF FILLFACE			

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

VERIFIED 11/9/11 R.A. PIERCE, M. FORD

S.R. 2048

LOOKING NORTH

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

Title

APPR. RDWY.

Description

APPR. RDWY.

Bridge No: 850143

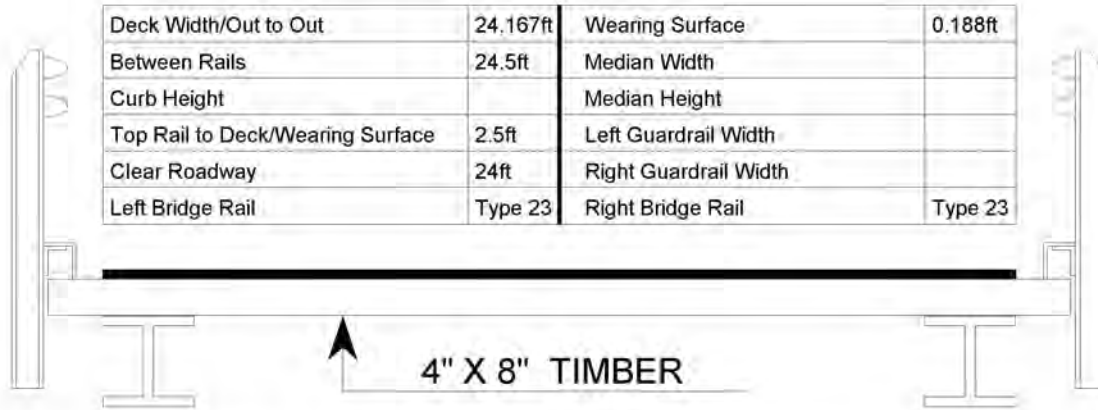
Drawn By: RAP

Date: 3/5/2008

File Name: S0138002626

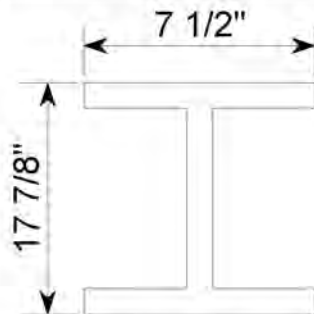
Bridge Inspection Field Sketch

VERIFIED 11/9/11 R.A. PIERCE, M. FORD

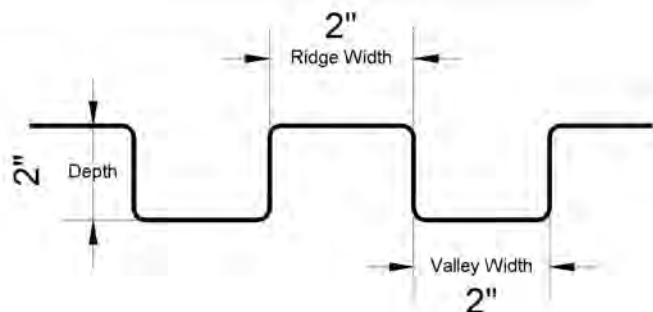


Measurements for Span #	1		
Deck Thickness	0.354	Left Overhang	0.583
Top of Rail to Bottom of Beam	4.333	Right Overhang	0.583

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.563ft	
2	Steel I Beam	2.563ft	
3	Steel I Beam	2.563ft	
4	Steel I Beam	2.563ft	
5	Steel I Beam	2.563ft	
6	Steel I Beam	2.563ft	
7	Steel I Beam	2.563ft	
8	Steel I Beam	2.563ft	
9	Steel I Beam	2.563ft	
10	Steel I Beam		



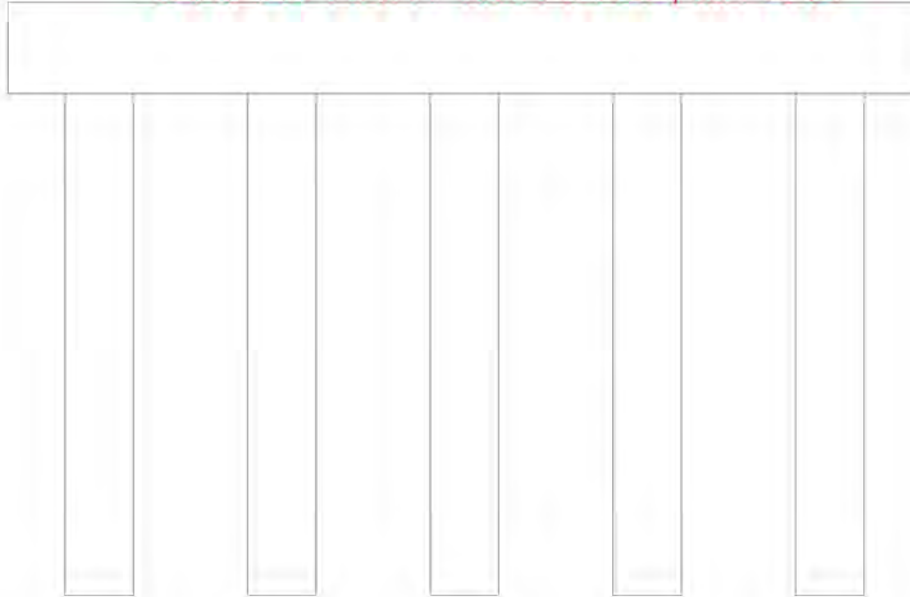
FLANGE THICKNESS: $\frac{1}{2}$ "
WEB THICKNESS: $\frac{3}{8}$ "



Title		Description	
SUPER		DECK SECTION	
Bridge No: 850143	Drawn By: RAP	Date: 01/06/2006	File Name: S0150000065

Bridge Inspection Field Sketch

VERIFIED 11/9/11 R.A. PIERCE, M. FORD



Abutment #	1	Abutment 2 similar	
Cap - Beam Type (Wood or Steel)			
Cap Size	32.083ft Long	0.979ft Wide	0.979ft High
Left Overhang	1.5ft	Lt Cap/Beam Overhang	1.292ft
Right Overhang	1.417ft	Rt Cap/Beam Overhang	1.292ft

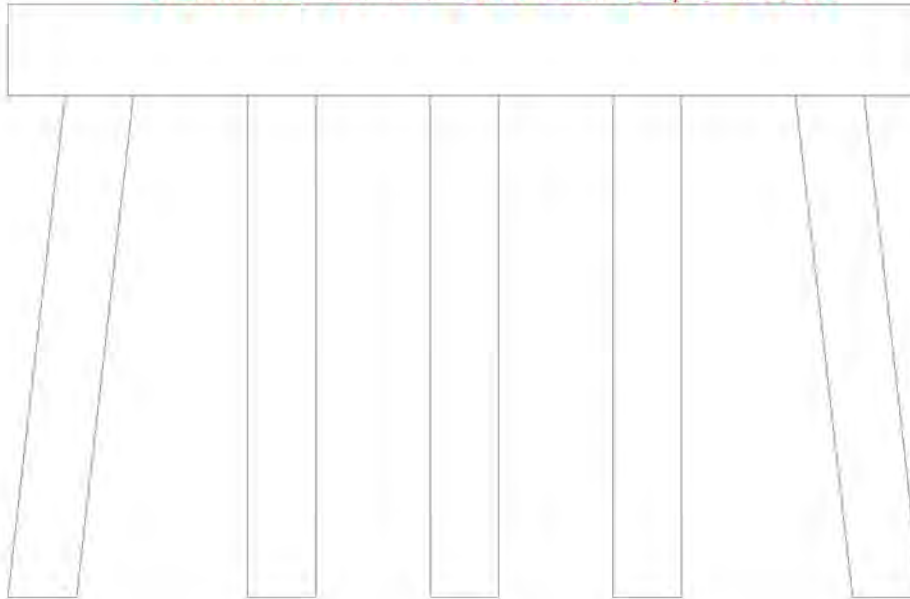
Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	5.833		12" DIA.		Vertical
2	Wood or Timber	Pile Bent	5.833		12" DIA.		Vertical
3	Wood or Timber	Pile Bent	5.833		12" DIA.		Vertical
4	Wood or Timber	Pile Bent	5.833		12" DIA.		Vertical
5	Wood or Timber	Pile Bent			12" DIA.		Vertical

ABUT. # 2 SAME AS ABUT. # 1

Title		Description	
SUBST.		ABUTS.	
Bridge No:	850143	Drawn By:	RAP
Date:	01/06/2006	File Name:	S0150000066

Bridge Inspection Field Sketch

VERIFIED 11/9/11 R.A. PIERCE, M. FORD



Bent #	1	Bents 2 similar	
Cap - Beam Type (Wood or Steel)			
Cap Size	32ft Long	0.979ft Wide	0.979ft High
Left Overhang	1.417ft	Lt Cap/Beam Overhang	1.25
Right Overhang	1.417ft	Rt Cap/Beam Overhang	1.333

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	5.833		12" DIA.		Batter Pile
2	Wood or Timber	Pile Bent	5.833		12" DIA.		Vertical
3	Wood or Timber	Pile Bent	5.833		12" DIA.		Vertical
4	Wood or Timber	Pile Bent	5.833		12" DIA.		Vertical
5	Wood or Timber	Pile Bent			12" DIA.		Batter Pile

PIER # 2 SAME AS PIER # 1

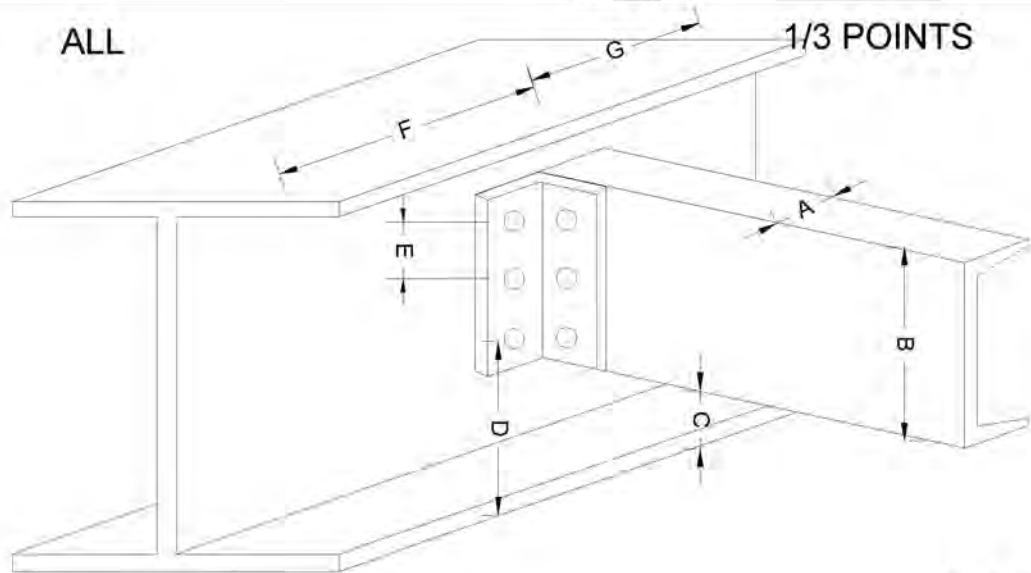
Title		Description	
SUBST. 2		PIERS	
Bridge No:	850143	Drawn By:	RAP
Date:	01/06/2006	File Name:	S0150000067

Bridge Inspection Field Sketch

VERIFIED 11/9/11 R.A. PIERCE, M. FORD

SPAN:

LOCATION:



3 BOLTS

SPAN	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	DIM. G	BOLT SIZE
ALL	2 5/8"	10"	5 1/2"	8"	3"	11' - 8"	11' - 8"	3/4"

Title

DIAPHRAM

Description

DETAIL

Bridge No: 850143

Drawn By: RAP

Date: 02/01/2006

File Name: S0150000070

Bridge Inspection Field Sketch

VERIFIED 11/9/11 R.A. PIERCE, M. FORD

SECT. LOSS TO TOP FLANGES OF SPAN # 1 BMS.

NORTH →

BM. LENGTH: 35'

ABUT. # 1

APPROX. 1/8" LOSS FULL LENGTH

PIER # 1

#1



#2

SURFACE RUST: NO LOSS

#3

SURFACE RUST: NO LOSS

#4

APPROX. 1/4" LOSS

10'



#5

APPROX. 1/4" LOSS

10'



#6

SURFACE RUST: NO LOSS

#7

SURFACE RUST: NO LOSS

#8

SURFACE RUST: NO LOSS

#9

SURFACE RUST: NO LOSS

#10

SURFACE RUST: NO LOSS

Title

SECT. LOSS 1

Description

SPAN # 1

Bridge No: 850143

Drawn By: RAP

Date: 1/12/2010

File Name: S0138072534

Bridge Inspection Field Sketch

VERIFIED 11/9/11 R.A. PIERCE, M. FORD

SECT. LOSS TO TOP FLANGES OF SPAN # 2 BMS.

NORTH →

BM. LENGTH: 35'

PIER # 1

APPROX. 1/8" LOSS FULL LENGTH

PIER # 2

1



2



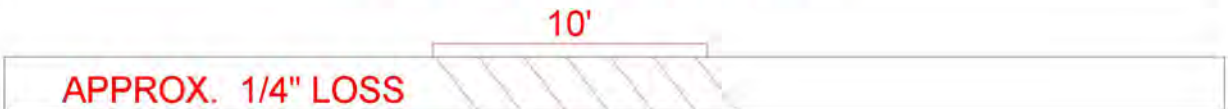
3



4



5



6



7



8



9



10



Title

SECT. LOSS 2

Description

SPAN # 2

Bridge No: 850143

Drawn By: RAP

Date: 1/13/2010

File Name: S0138072535

Bridge Inspection Field Sketch

VERIFIED 11/9/11 R.A. PIERCE, M. FORD

SECT. LOSS TO TOP FLANGES OF SPAN # 3 BMS.

BM. LENGTH: 35'

NORTH →



Title

SECT. LOSS 3

Description

SPAN # 3

Bridge No: 850143

Drawn By: RAP

Date: 1/13/2010

File Name: S0138072536



UPSTREAM



DOWNSTREAM



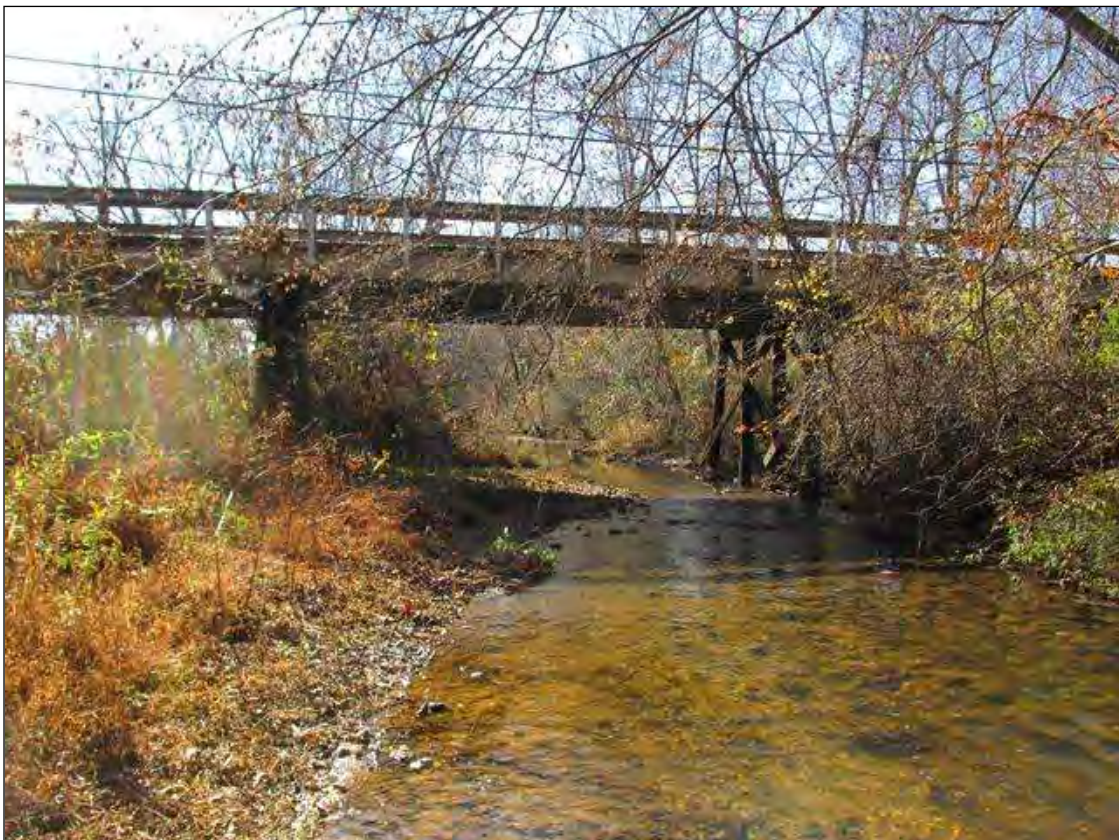
LOOKING SOUTH



ABUT. (A)



SOUTH FACE PIER (2)



EAST PROFILE



WEST PROFILE