



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY YADKIN BRIDGE NUMBER 980109 INSPECTION CYCLE 2 YRS
ROUTE SR1502 ACROSS NORTH DEEP CREEK M.P. 0

LOCATION .7 MI.N.JCT.SR1134

SUPERSTRUCTURE REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE E.BTS:RC CAPS/H-PILES;INT.BTS:RC CAPS/H-PILES ENC.IN CONC.

SPANS 3 @ 40'

LONGITUDE 80° 39' 24.43"

LATITUDE 36° 9' 11.45"

INSPECTION DATE 05/22/2013

PRESENT CONDITION FAIR

PRESENT POSTING Y SV 25, TTST 32

PROPOSED POSTING

OTHER SIGNS PRESENT 4 DELINEATORS



SOUTH TO NORTH

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: 07/05/2013

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	980109		SUFFICIENCY RATING =		16.63	
(8) STRUCTURE NUMBER(FEDERAL)		000000001970109		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31015020					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		1					
(3) COUNTY CODE	197	(4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED -	NORTH DEEP CREEK			(104)HIGHWAY SYSTEM	Is not on NHS	0	
(7) FACILITY CARRIED	SR1502			(26) FUNCTIONAL CLASS -	Major Collector	07	
(9) LOCATION	.7 MI.N.JCT.SR1134			(100)STRAHNET HIGHWAY -	Not a STRAHNET Route	0	
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	No Parallel Structure	N	
(16)LAT	36° 9' 11.45"	(17)LONG	80° 39' 24.43"	(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				CONDITION			
(43) STRUCTURE TYPE MAIN:	Steel			(58) DECK		5	
TYPE -	Stringer Mutlibeam or Girder	CODE	302	(59) SUPERSTRUCTURE		3	
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE		6	
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 -	1	CODE		LOAD RATING AND POSTING			
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(31) DESIGN LOAD	H 15	2	
(A) TYPE OF WEARING SURFACE -		CODE		(63) OPERATING RATING METHOD -	Load Factor	1	
(B) TYPE OF MEMBRANE -		CODE		(64) OPERATING RATING -	HS-1	1	
(C) TYPE OF DECK PROTECTION -		CODE		(65) INVENTORY RATING METHOD -	Load Factor	1	
				(66) INVENTORY RATING -	HS-1	1	
				(70) BRIDGE POSTING -	Posting Required	4	
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P	
				DESCRIPTION -	Posted for Load		
AGE AND SERVICE				APPRAISAL			
(27) YEAR BUILT			1963	(67) STRUCTURAL EVALUATION		3	
(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	0	(72) APPROACH ROADWAY ALIGNMENT		8	
(29) AVERAGE DAILY TRAFFIC			2000	(36) TRAFFIC SAFETY FEATURES		0000	
(30) YEAR OF ADT	2011	(109) TRUCK ADT PCT	7%	(113)SCOUR CRITICAL BRIDGES		8	
(19) BYPASS OR DETOUR LENGTH			4 MI				
GEOMETRIC DATA				PROPOSED IMPROVEMENTS			
(48) LENGTH OF MAXIMUM SPAN			39 FT	(75) TYPE OF WORK -		CODE	
(49) STRUCTURE LENGTH			120 FT	(76) LENGTH OF STRUCTURE IMPROVEMENT			
(50)CURB OR SIDEWALK: LEFT	1.1 FT	RIGHT	1.1 FT	(94) BRIDGE IMPROVEMENT COST			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			24 FT	(95) ROADWAY IMPROVEMENT COST			
(52) DECK WIDTH OUT TO OUT			28.167 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	(114)FUTURE ADT	4000	(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		05/22/2013	
(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 MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 07/05/2013

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
YADKIN	11	1	980109	120	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1502	NORTH DEEP CREEK

LOCATED :	BRIDGE NAME :	CITY :
.7 MI.N.JCT.SR1134		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
07	FA	NFA	2000 2011	LT 71 RT 71

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1963	SHC	8.28559	S-1073(2)	H 15

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :		
			TAN	90	ON 2	UNDER	0

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT	HC 0 FT		23 FT		3		FT

SUPERSTRUCTURE :	REINFORCED CONCRETE FLOOR ON I-BEAMS
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SUBSTRUCTURE :	E.BTS:RC CAPS/H-PILES;INT.BTS:RC CAPS/H-PILES ENC.IN CONC.
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SPANS :	3 @ 40'
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BEAMS OR GIRDERS :	4 LINES 27 I-BEAMS @ 7'CENTERS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
7 RC/NO AWS		28.167 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
24 FT	26.25 FT	LT 1.1 FT RT 1.1 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-1	HS-1	Ext.Beam	SV 25	32	09/24/2008

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. 980109 COUNTY YADKIN ROUTE SR1502 OVER NORTH DEEP CREEK
 STRUCTURE TYPE REINFORCED CONCRETE FLOOR ON I-BEAMS
 ROUTE ORIENTATION S - N SPANS 3 @ 40'

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			G
	b. TIMBER			51. APPROACH SLABS			
	c. STEEL PLANK			52. PAINT SYSTEM			CODE A F
	d. OPEN GRID			53. UTILITIES			
3. RAILING	a. CONCRETE		G	54. RESPONSE TO LIVE LOAD			F
	b. TIMBER			55. ESTIMATED REMAINING LIFE			25
	c. ALUMINUM						
	d. STEEL						
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			G				
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)				60. REGULATORY SIGN NOTICE ISSUED			YES
6. DECK EXP JTS. OR DEVICES. NO. OF EACH	a. STEEL PL OR FINGER			61. PROMPT-ACTION NOTICE ISSUED			NO
	b. MISC PREFAB			62. PRESENTLY POSTED			YES
	c. COMPRESSION SEAL			63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			12
	d. STANDARD JOINTS	2	F	64. TOTAL SNOOPER INSP. TIME (HRS)			
	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	5	
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			F				
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			USE OF INSP. ACCESSIBILITY EQUIPMENT			
	b. PILES, POST, SILLS, & BRACING			SNOOPER (CODE S, 4, OR N)		HRS	NO
	c. BULKHEADS, WING'S, & TIE BACKS			LADDER			YES
36. CONC SUB STR.	a. ABUT. & INT. BENT CAPS		F	BUCKET TRUCK			NO
	b. ABUT. & BENT COL'S BREASTWALLS			BOAT			NO
	c. ABUT. & INT. BENT PILES			OTHER			NO
	d. BACKWALLS, WING'S, RETAIN. WALLS		G				
	e. ABUT. & BENT FOOTINGS & SILLS						
37. STEEL SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS			SPECIAL INSPECTION REQUESTED FOR			
	b. PILES, BRACING, AND BULKHEADS		F				
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 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		
2a	F	DECK, COARSE AGGREGATE, MAP AND TRANSVERSE CRACKS THROUGHOUT DECK SURFACE... DECK, RT. LANE SPAN (B)... CONCRETE IS DELAMINATED AND SCALING (+/- 1/2") DEEP... DECK, RT. LANE SPAN (A)... SURFACE SPALL (+/- 1 SF X 1" DEEP) NEXT TO WHITE LINE AT (NE) CORNER OF SPAN... NUMEROUS PATCHED IN SPANS (A) AND (B) ARE GOOD AT THIS TIME...	
3a	G	GOOD	
6d	F	STD. JOINTS ARE DETERIORATED AND LEAKING...	
10	F	REPAIRS TO ALL BEAM ENDS AT BOTH PIERS ARE SIMILAR, AND IN GOOD CONDITON AT THIS TIME... SEE SKETCH	
10A	NO	SEE ITEM 52 NO CURVED GIRDERS...	
12	G	RUST AND SCALE FORMING ALONG DIAPHRAGMS...	
13	F	EXTERIOR END DIAPHRAGMS, RUST AND SCALE...	
15	F	RUST AND SCALE ON BEARING PLATES.	
52	F	SURFACE RUST THROUGHOUT ALONG ALL BEAMS...	
36a	F	H/L TO 1/4" HORIZ. CRACK WITH RUST STAINS... FACE OF ABUT. (B) CAP BTWN. SEATS (3) AND (4)... H/L TO 1/16" HORIZ. CRACK ALONG (N) FACE OF PIER (2) CAP BTWN. SEATS (1) AND (3)...(+/- 12 LF)... H/L TO 1/8" WIDE HORIZ. CRACKS ON (S) FACE OF PIER (2) CAP WITH EFFLOR. AT SEATS (1) AND (3)...	

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 MAX FORD			
Assisted By RAP			
Item No.	Grade		
37b	F	CONCRETE ENCASED...	
39	G	RIP RAP IS GOOD AT THIS TIME...	
54	F	CRACKING ON CAPS	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 980109

County YADKIN

Date: 05/22/2013

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3310	Maintenance/Repair/Replacement of Standard Bridge Expansion Joints	LF	60	STD. JOINTS ARE DETERIORATED AND LEAKING...	
3326	Maintain Concrete Deck	SF	1	DECK, RT. LANE SPAN (A)... SURFACE SPALL (+/- 1 SF X 1" DEEP) NEXT TO WHITE LINE AT (NE) CORNER OF SPAN...	
3326	Maintain Concrete Deck	SF	50	DECK, RT. LANE SPAN (B)... CONCRETE IS DELAMINATED AND SCALING (+/- 1/2") DEEP...	
3342	Clean and Paint Structural Steel	SF	900	SURFACE RUST THROUGHOUT ALONG ALL BEAMS...	
3348	Maintain Concrete Substructure Components	LF	6	H/L TO 1/4" HORIZ. CRACK WITH RUST STAINS... FACE OF ABUT. (B) CAP BTWN. SEATS (3) AND (4)...	
3348	Maintain Concrete Substructure Components	LF	8	H/L TO 1/8" WIDE HORIZ. CRACKS ON (S) FACE OF PIER (2) CAP WITH EFFLOR. AT SEATS (1) AND (3)...	
3348	Maintain Concrete Substructure Components	LF	12	H/L TO 1/16" HORIZ. CRACK ALONG (N) FACE OF PIER (2) CAP BTWN. SEATS (1) AND (3)...(+/- 12 LF)	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined



DECK, COARSE AGGREGATE, MAP AND TRANSVERSE CRACKS THROUGHOUT DECK SURFACE...



DECK, RT. LANE SPAN (B)... CONCRETE IS DELAMINATED AND SCALING (+/- 1/2") DEEP...



DECK, RT. LANE SPAN (A)... SURFACE SPALL (+/- 1 SF X 1" DEEP) NEXT TO WHITE LINE AT (NE) CORNER OF SPAN...



H/L TO 1/4" HORIZ. CRACK WITH RUST STAINS... FACE OF ABUT. (B) CAP BTWN. SEATS (3) AND (4)...



REPAIRS TO ALL BEAM ENDS AT BOTH PIERS ARE SIMILAR, AND IN GOOD CONDITON AT THIS TIME... SEE SKETCH



H/L TO 1/16" HORIZ. CRACK ALONG (N) FACE OF PIER (2) CAP BTWN. SEATS (1) AND (3)...(+/- 12 LF)



SURFACE RUST THROUGHOUT ALONG ALL BEAMS...

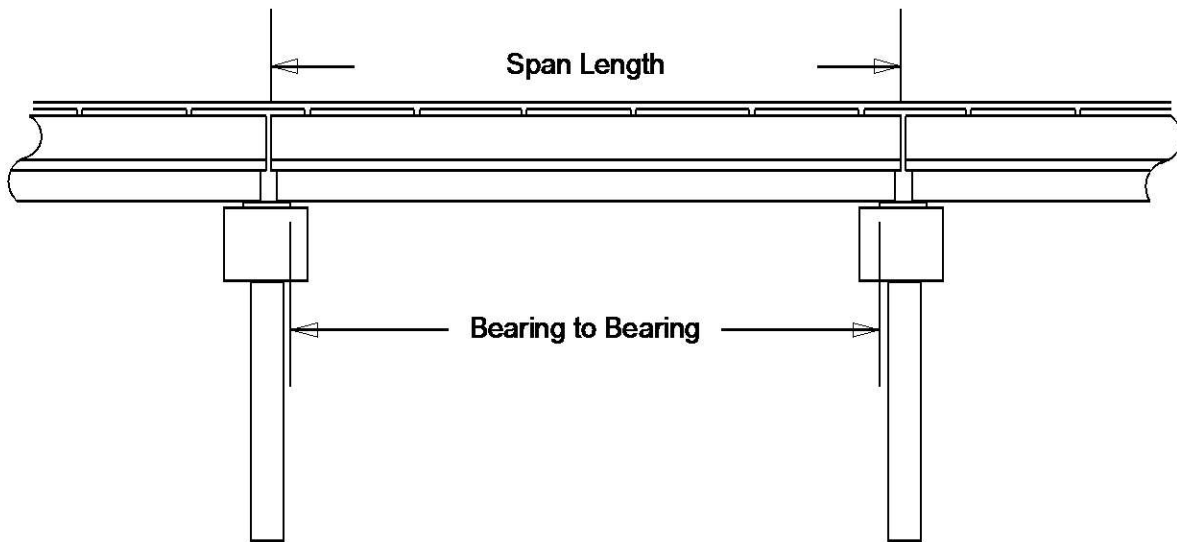


H/L TO 1/8" WIDE HORIZ. CRACKS ON (S) FACE OF PIER (2) CAP WITH EFFLOR. AT SEATS (1) AND (3)...

Structure Data Worksheet

Spans

County: YADKIN Structure No: 980109 Date: 05/22/2013 Inspected By: MF



Span No	Span Length	Bearing to Bearing	Comments
1	40 ft.	38.5 ft.	
2	40 ft.	39 ft.	
3	40 FT.	38.5 ft.	FACE OF ABUT. CAP TO FACE OF ABUT. CAP = 114

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 980109 County: YADKIN Date: 05/22/2013 By: MF

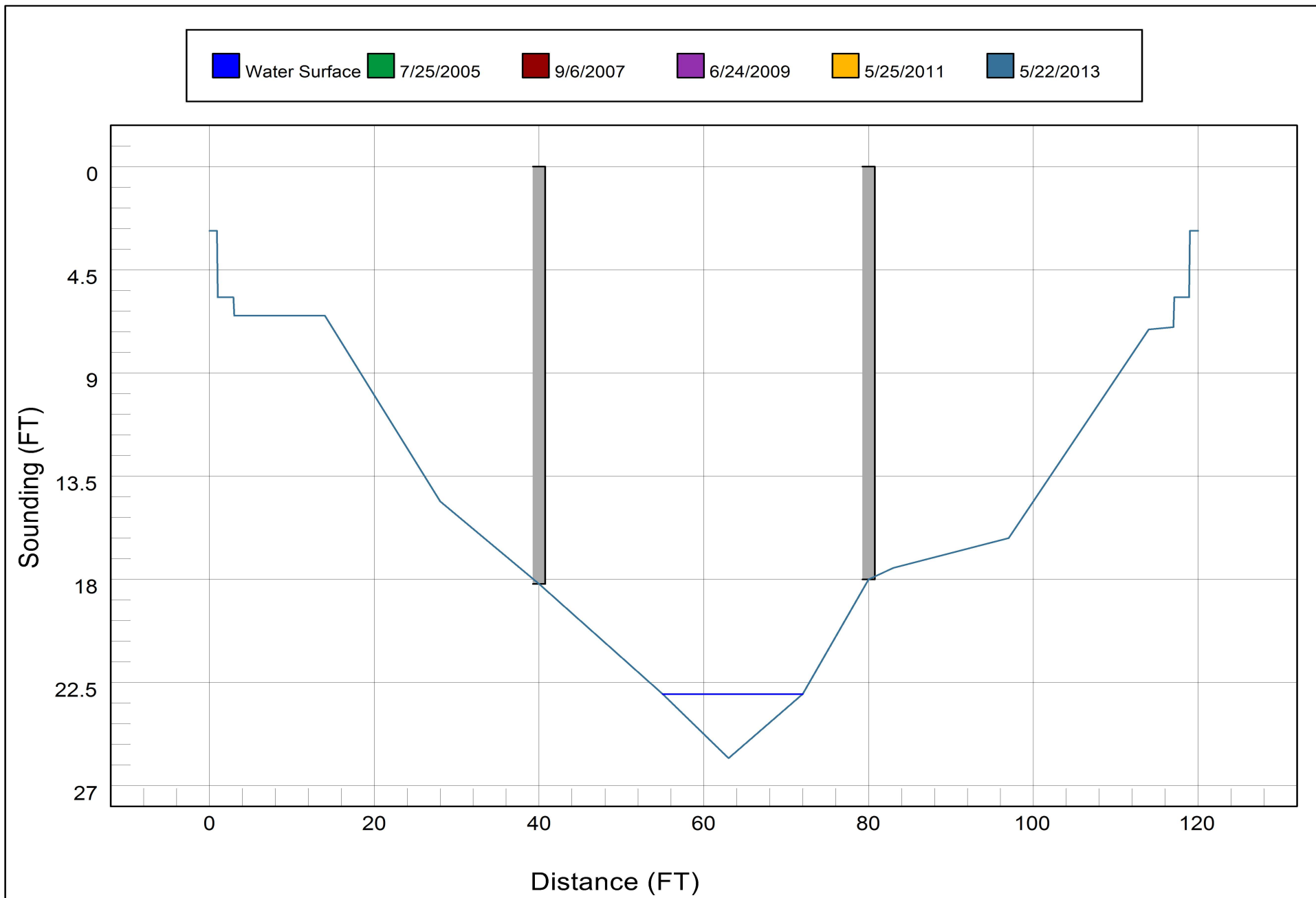
Record sounding from top of rail. Other location if needed: _____

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			
0.9	2.8	TOP OF FILLFACE			
1	5.7	TOP OF CAP			
2.9	5.7	TOP OF CAP			
3	6.5	FACE OF CAP	3	6.7	FACE OF CAP
14	6.5	SLOPE			
28	14.6	SLOPE			
40	18.2	PIER 1	40	20.9	PIER 1
55	23	WSWE			
63	25.8	BED FLOW EAST			
72	23	WSWE			
80	18	PIER 2	80	16.4	PIER 2
83	17.5	SLOPE			
97	16.2	SLOPE			
114	7.1	SLOPE			
117	7	FACE OF CAP	117	6.8	FACE OF CAP
117.1	5.7	TOP OF CAP			
118.9	5.7	TOP OF CAP			
119	2.8	TOP OF FILLFACE			
120	2.8	TOP OF FILLFACE			

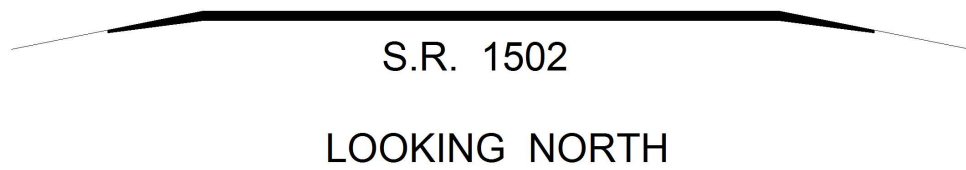
STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

VERIFIED 5/22/13 R.A. PIERCE, M. FORD



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: 980109

Drawn By: RAP

Date: 07/20/2005

File Name: S0138000310

Bridge Inspection Field Sketch

VERIFIED 5/22/13 R.A. PIERCE, M. FORD

SECTION LOSS ON BOTT. FLANGES & WEB OF FOLLOWING BEAMS

BM. # 1 - 3 IN SPAN # 1 @ PIER # 1

BM. # 1 - 3 IN SPAN # 2 @ PIER # 1

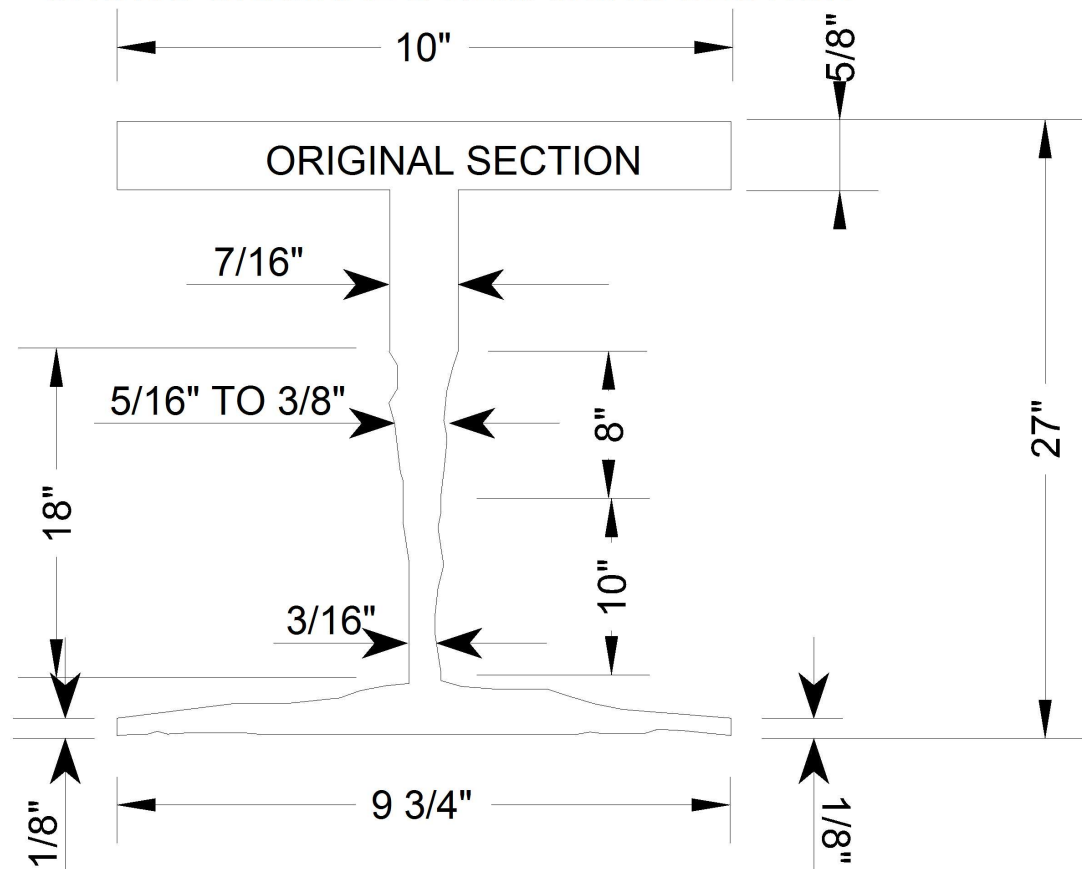
BM. # 1 - 4 IN SPAN # 2 @ PIER # 2

BM. # 1 & 2 IN SPAN # 3 @ PIER # 2

SECTION LOSS REPAIRED W / 3/8" THICK PLATES

SECT. LOSS EXTENDS FROM END OF BMS. BACK APPROX. 3'

SHOWS ORIGINAL & REMAINING SECTION



SCALE: N.T.S.

Title

SECTION LOSS 1

Description

SECT. LOSS ON I - BMS.

Bridge No: 980109

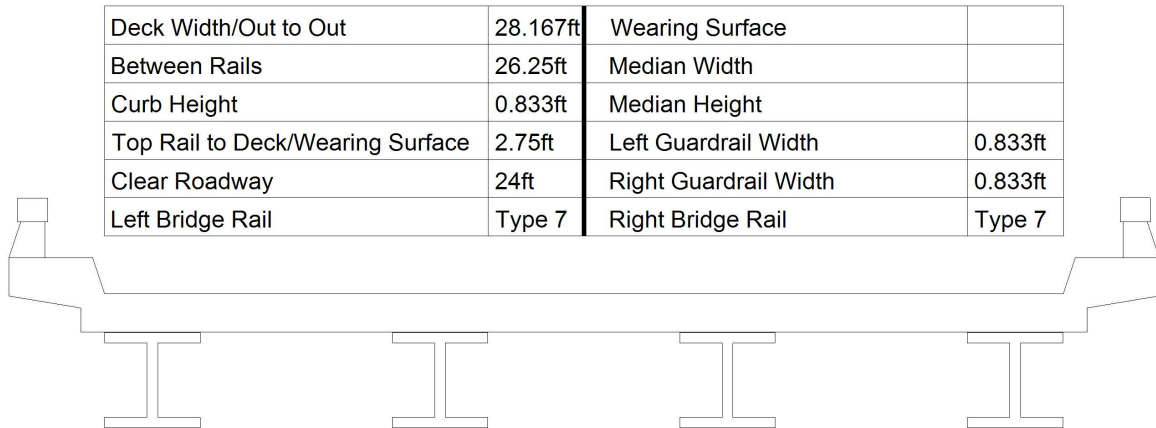
Drawn By: RAP

Date: 9/6/2007

File Name: S0138002488

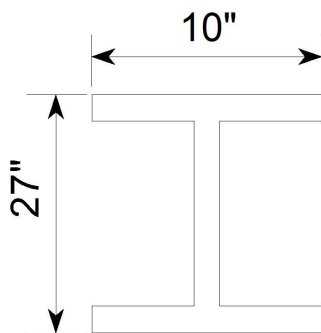
Bridge Inspection Field Sketch

VERIFIED 5/22/13 R.A. PIERCE, M. FORD



Measurements for Span #	1		
Deck Thickness	0.583	Left Overhang	3.583
Top of Rail to Bottom of Beam	5.583	Right Overhang	3.583

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	7ft	ALL SPANS SAME
2	Steel I Beam	7ft	
3	Steel I Beam	7ft	
4	Steel I Beam		



FLANGE THICKNESS: 5/8"
 WEB THICKNESS: 7/16"

Title

SUPER

Description

DECK SECTION

Bridge No: 980109

Drawn By: RAP

Date: 07/20/2005

File Name: S0138000311

Bridge Inspection Field Sketch

VERIFIED 5/22/13 R.A. PIERCE, M. FORD

SECT. LOSS ON BOTT. FLANGES & WEB OF FOLLOWING BMS.

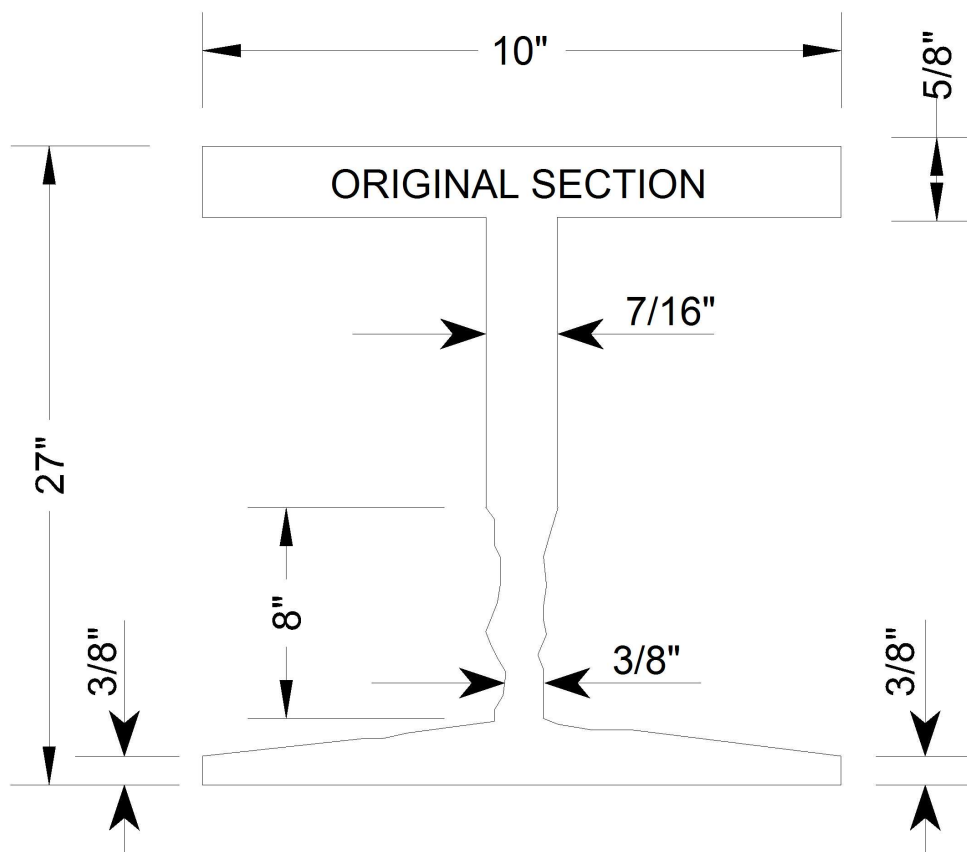
BM. # 4 IN SPAN # 2 @ PIER # 1

BM. # 3 & 4 IN SPAN # 2 @ PIER # 2

SECT. LOSS REPAIRED W / 3/8" THICK PLATES

SECT. LOSS EXTENDS FROM END OF BMS. BACK APPROX. 2'

SHOWS ORIGINAL & REMAINING SECTION



SCALE: N.T.S.

Title

SECTION LOSS 2

Description

SECT. LOSS ON I - BMS.

Bridge No: 980109

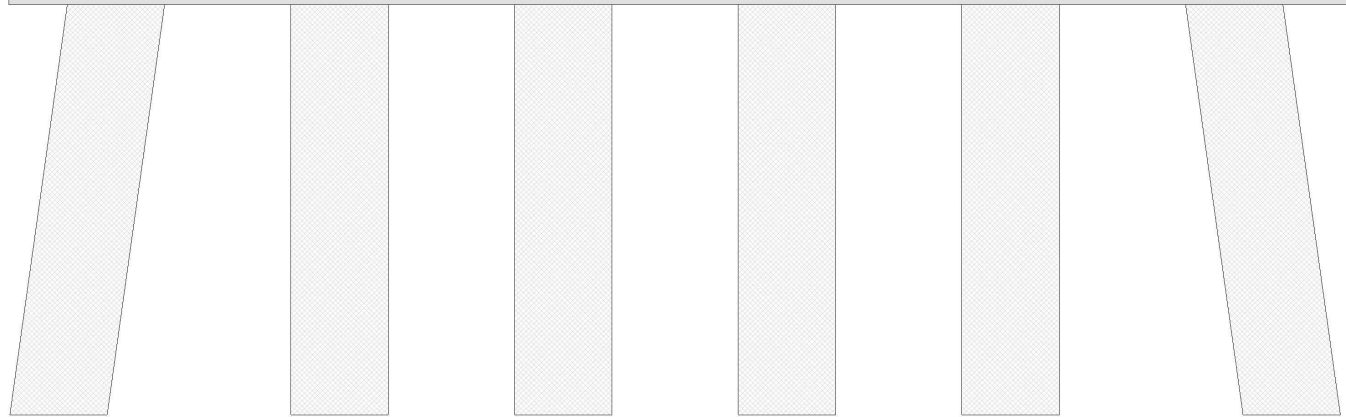
Drawn By: RAP

Date: 9/6/2007

File Name: S0138002489

Bridge Inspection Field Sketch

VERIFIED 5/22/13 R.A. PIERCE, M. FORD



Cap Information			Material Cast-in-Place Concrete							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
23.000 ft.	2.500 ft.	2.500 ft.	1.833 ft.	1.833 ft.	1.500 ft.	1.500 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	3.833 ft.	1.667 ft.	1.667 ft.		Battered	No	No	No	No
2	Concrete	3.833 ft.	1.667 ft.	1.667 ft.		Vertical	No	No	No	No
3	Concrete	3.833 ft.	1.667 ft.	1.667 ft.		Vertical	No	No	No	No
4	Concrete	3.833 ft.	1.667 ft.	1.667 ft.		Vertical	No	No	No	No
5	Concrete	3.833 ft.	1.667 ft.	1.667 ft.		Vertical	No	No	No	No
6	Concrete		1.667 ft.	1.667 ft.		Battered	No	No	No	No
Bent/Abutment #: 1			Similar Bents: # 2							

Title			Description		
PIERS			PIERS		
Bridge No:	980109	Drawn By:	RAP	Date:	5/22/2013
			File Name:	S0138073174	



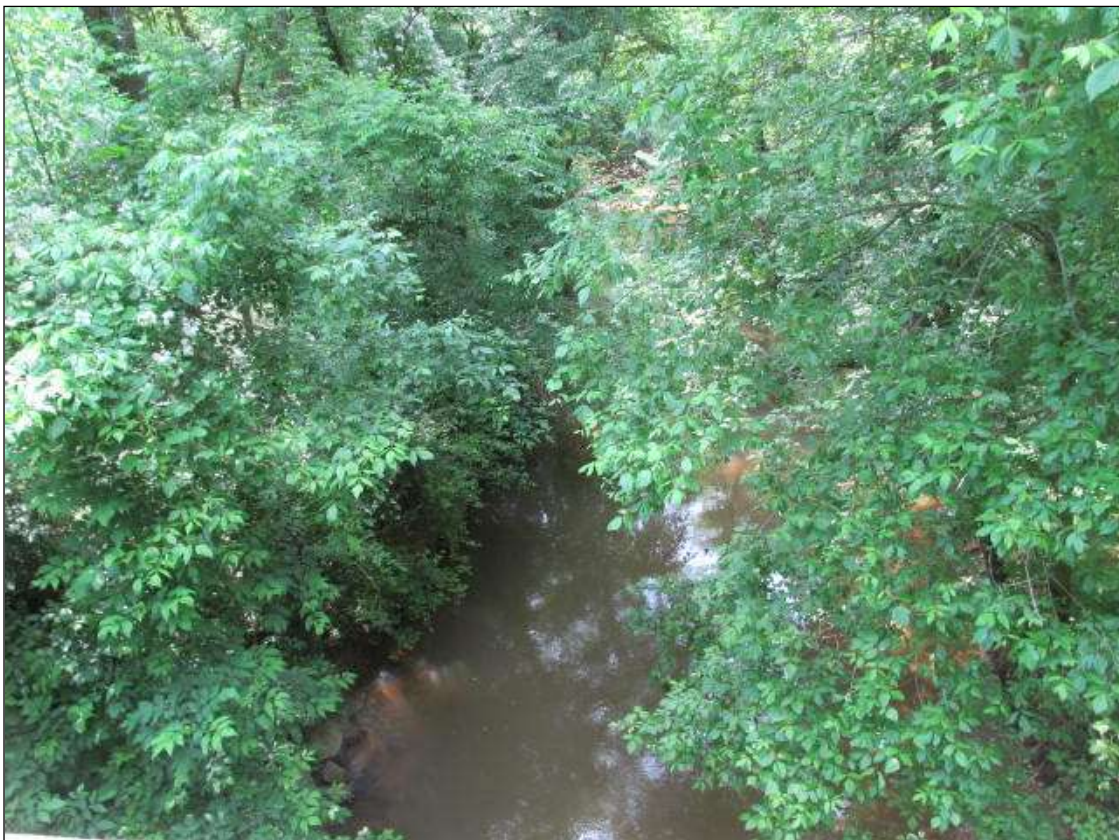
LOOKING SOUTH



POSTING



UPSTREAM



DOWNSTREAM



SOUTH TO NORTH



ABUT. (B)



NORTH FACE OF PIER (1)



WEST PROFILE



ABUT. (A)



EAST PROFILE