



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

TEMP REPAIR

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY CALDWELL BRIDGE NUMBER 130077 INSPECTION CYCLE 2 YRS
ROUTE SR1143 ACROSS LOWER CREEK M.P. 0

LOCATION .2 MI.SE.JCT.NC18

SUPERSTRUCTURE REINFORCED CONCRETE SLAB ON I-BEAMS

SUBSTRUCTURE E.BT1&BT2:RC CAPS/TIM.PILES;E.BT2&BT1:RC CAPS/H-PILES

SPANS 1 @ 39'-6", 1@ 37'-6", 1 @ 38'

LONGITUDE 81° 35' 38.6"

LATITUDE 35° 52' 4.4"

PRESENT CONDITION FAIR

INVENTORY RATING

INSPECTION DATE 02/15/2012

OPERATING RATING

PRESENT POSTING SV 38 TTST 41

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT NONE



LOOKING NORTH

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: 03/09/2012

IDENTIFICATION					
(1) STATE NAME -NORTH CAROLINA	BRIDGE	130077		SUFFICIENCY RATING =	9
(8) STRUCTURE NUMBER(FEDERAL)		00000000270077		STATUS =	Structurally Deficient
(5) INVENTORY ROUTE (ON/UNDER) - ON		31011430			
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2			
(3) COUNTY CODE	27	(4) PLACE CODE	00000		
(6) FEATURE INTERSECTED - LOWER CREEK					
(7) FACILITY CARRIED SR1143					
(9) LOCATION .2 MI.SE.JCT.NC18					
(11)MILEPOINT		0			
(16)LAT 35° 51' 55.0"	(17)LONG	81° 35' 44.0"			
(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 - Major Collector	07
TYPE -	CODE	000		(100)STRAHNET HIGHWAY - Not a STRAHNET Route	0
(45) NUMBER OF SPANS IN MAIN UNIT		3		(101)PARALLEL STRUCTURE - No Parallel Structure	N
(46) NUMBER OF APPROACH SPANS				(102)DIRECTION OF TRAFFIC - 2-way Traffic	2
(107)DECK STRUCTURE TYPE - 1	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	5
				(59) SUPERSTRUCTURE	7
				(60) SUBSTRUCTURE	4
				(61) CHANNEL & CHANNEL PROTECTION	5
				(62) CULVERTS	N
				LOAD RATING AND POSTING	
				(31) DESIGN LOAD H 15	2
				(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	4
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED	P
				DESCRIPTION - Posted for Load	
				APPRAISAL	
				(67) STRUCTURAL EVALUATION	4
				(68) DECK GEOMETRY	2
				(69) UNDERCLEARANCES,VERTI & HORIZ	N
				(71) WATERWAY ADEQUACY	7
				(72) APPROACH ROADWAY ALIGNMENT	7
				(36) TRAFFIC SAFETY FEATURES	0111
				(113)SCOUR CRITICAL BRIDGES	5
				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 6600	(115) YEAR FUTURE ADT 2025
				INSPECTIONS	
				(90) INSPECTION DATE	02/15/2012
				(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: 03/09/2012

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :
CALDWELL	11	2	130077	115 FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1143	LOWER CREEK

LOCATED :	BRIDGE NAME :	CITY :
.2 MI.SE.JCT.NC18		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
07	FA	NFA	3300 2009	LT 141 RT 141

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1965	BMU			H 15

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

NAVIGATION :	HT. CRN. TO BED :	WATER DEPTH :
VC 0 FT HC 0 FT 22 FT 1 FT		

SUPERSTRUCTURE : REINFORCED CONCRETE SLAB ON I-BEAMS

SUBSTRUCTURE : E.BT1&BT1:RC CAPS/H-PILES;E.BT2&BT2:RC CAPS/TIM.PILES;BT.1&2:CONC.ENCASED

SPANS : 1 @ 39'-6", 1@ 37'-6", 1 @ 38'

BEAMS OR GIRDERS : 4 LINES 27 I-BEAMS @ 6'-9 CTS.

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
7 RC/NO AWS		26.3 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
24 FT	26.2 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 38	41	09/30/2008

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. 130077 COUNTY CALDWELL ROUTE SR1143 OVER LOWER CREEK
 STRUCTURE TYPE REINFORCED CONCRETE SLAB ON I-BEAMS
 ROUTE ORIENTATION S - N SPANS 1 @ 39'-6", 1@ 37'-6", 1 @ 38'

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	F	
					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			F
	b. TIMBER			51. APPROACH SLABS			
	c. STEEL PLANK			52. PAINT SYSTEM			CODE A G
	d. OPEN GRID			53. UTILITIES			
3. RAILING	a. CONCRETE		F	54. RESPONSE TO LIVE LOAD			G
	b. TIMBER			55. ESTIMATED REMAINING LIFE			15
	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			NO
	b. MISC PREFAB			62. PRESENTLY POSTED			YES
	c. COMPRESSION SEAL			63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			5
	d. STANDARD JOINTS	2	G	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			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			G	d. CHANNEL & CHANNEL PROT.	ITEM 61	5	
13. END DIAP'S, CURTAIN WALLS, & CONN'S			G				
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			R
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		F	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		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						
	e. ABUT. & BENT FOOTINGS & SILLS		G				
37. STEEL SUB STR.	a. ABUT. & INT. BENT CAPS & RISERS			SPECIAL INSPECTION REQUESTED FOR			
	b. PILES, BRACING, AND BULKHEADS		G				
38. FOUNDATION PILES TYPE MATERIAL				NOTE			
39. SLOPE PROT., RIP-RAP (INCLUDE DRAINAGE)							
40. FENDER SYSTEMS				80. INSPECTED BY:			<i>Don Ewell</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 DWELBORN			
Assisted By JSF			
Item No.	Grade		
2a	F	TRAFFIC WEAR WITH EXPOSED COARSE AGGREGATE. SCATTERED HAIRLINE CRACKING. SCALING ACROSS MOST OF DECK. BOTTOM LOOKS GOOD.	
3a	F	WEATHERED, SCALING AND HAIRLINE CRACKS. FEW SECTIONS REPLACED OR REPAIRED.	
4	F	WEATHERED, SCALING AND HAIRLINE CRACKS.	
35b	F	ABUTMENT 2 PILES SOFT WITH SHELL DECAY & HOLLOW SOUNDING AREAS. ABUTMENT 2 PILE 5 HAS SURFACE DECAY 2" DEEP.	
35c	F	ABUTMENT 2 ONLY. SPLITTING AND DECAY ESPECIALLY ON EXTERIOR PORTIONS.	
36a	F	ABUTMENT 1 HAS HAIRLINE CRACKS AND EFFLORESCENCE. CRACK AND SPALL ON LEFT END ABUTMENT 1. SPALL ON RIGHT END PIER 1 AND LEFT END ABUTMENT 2.	
45c	F	BANK EROSION. EROSION ALONG ABUTMENT 1 CONCRETE OVERPOUR 4 FT. HIGH X 20 IN. UNDER.	
50	F	EROSION AT CORNERS. CRACKING IN APPROACHES.	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 130077

County CALDWELL

Date: 02/15/2012

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	20	DECAY IN ABUTMENT 2 PILES	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined



ABUTMENT 1 EROSION



LEFT END ABUTMENT 1 CAP



PIER 2 TEMP REPAIR



SOUTH APPROACH



NORTH APPROACH



ABUTMENT 2 PILE 4 TEMP REPAIR



ABUTMENT 2 PILE 5

Structure Data Worksheet

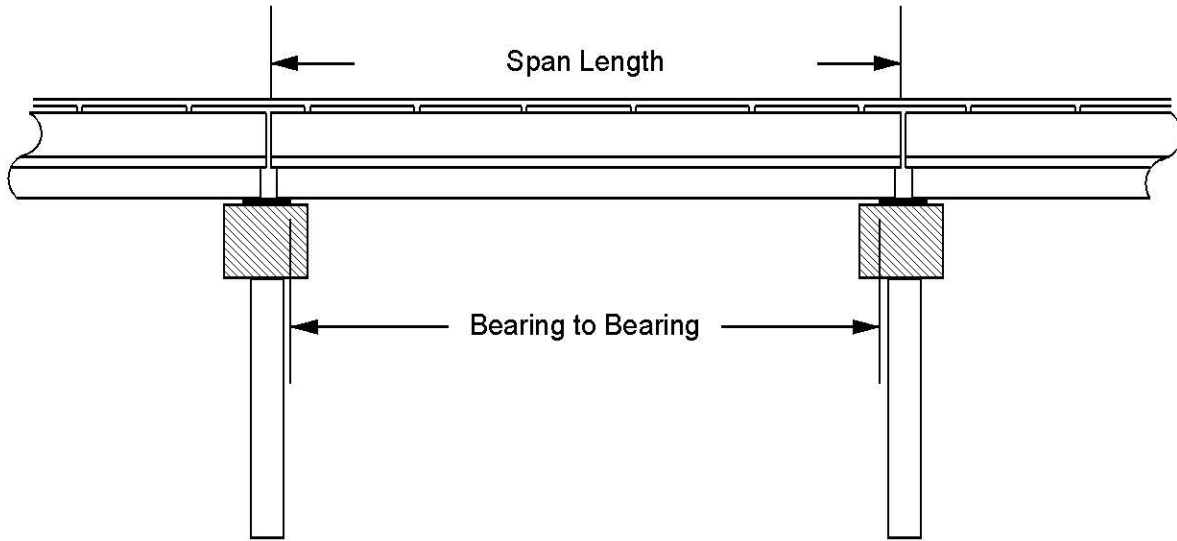
Spans

County: CALDWELL

Structure No: 130077

Date: 02/15/2012

Inspected By: DCW



Span No	Span Length	Bearing to Bearing	Comments
1	39 FT. 6 IN.	36 ft. 1 in.	TOTAL LENGTH 115.00'
2	37 ft. 6 in.	36 ft. 4 in.	
3	38 ft. 0 in.	36 ft. 1 in.	

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 130077 County: CALDWELL Date: 02/15/2012 By: DCW

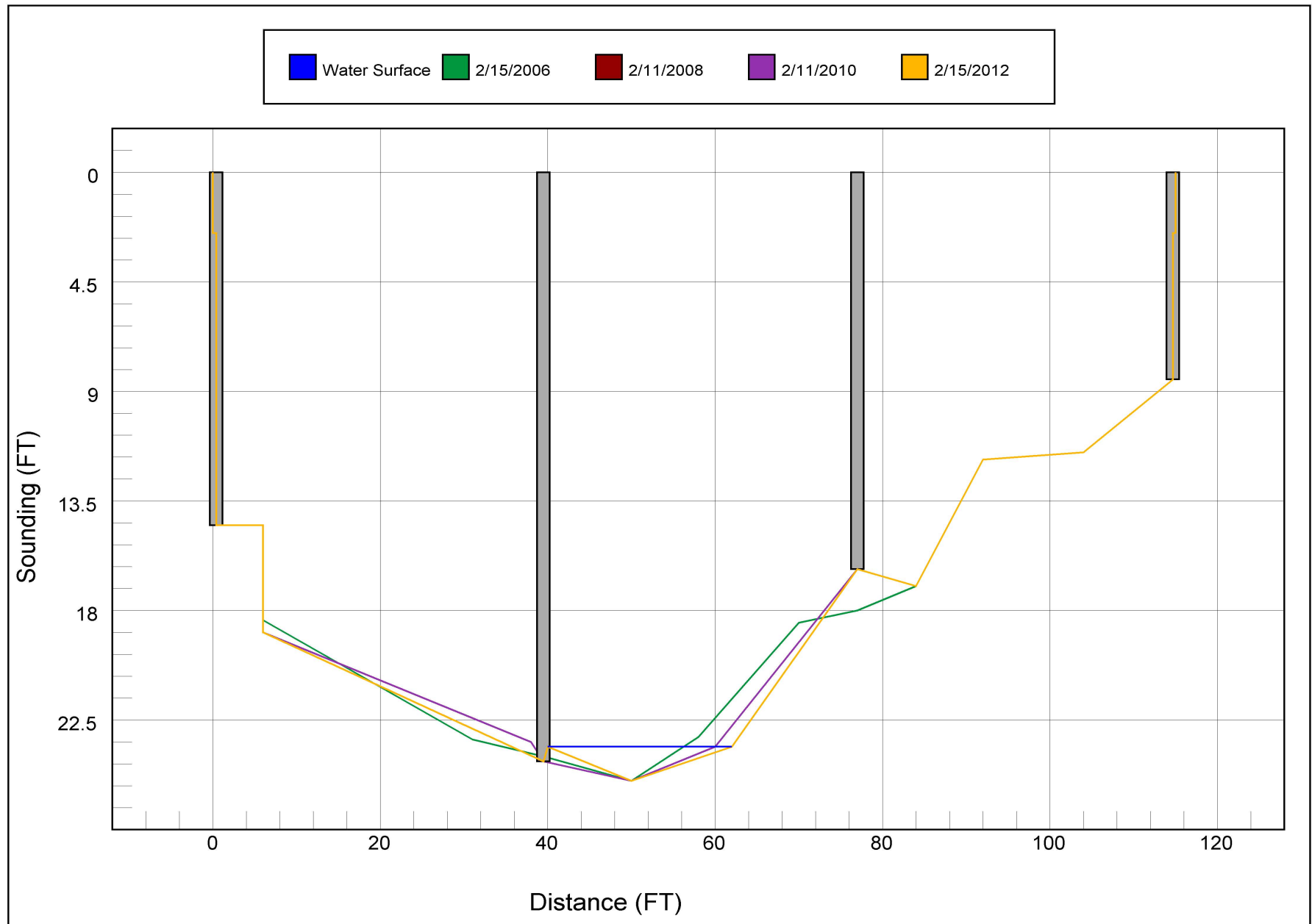
Record sounding from top of rail. Other location if needed: _____

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	0	TOP OF RAIL			
0	2.5	TOP OF FF			
0.4	2.5	TOP OF FF			
0.41	14.5	FACE OF ABUTMENT			
6	14.5	TOP OF CONCRETE			
6.01	18.9	FACE OF CONCRETE	6.01	17	FACE OF CONCRETE
39.5	24.2	PIER 1	39.5	24	PIER 1
40	23.6	WS WE			
50	25	BED			
62	23.6	WS WE			
77	16.3	PIER 2	77	20.5	PIER 2
84	17	SLOPE			
92	11.8	SLOPE			
104	11.5	SLOPE			
114.7	8.5	FACE OF ABUTMENT	114.7	10	FACE OF ABUTMENT
114.71	2.5	TOP OF FF			
115	2.5	TOP OF FF			
115.01	0	TOP OF RAIL			

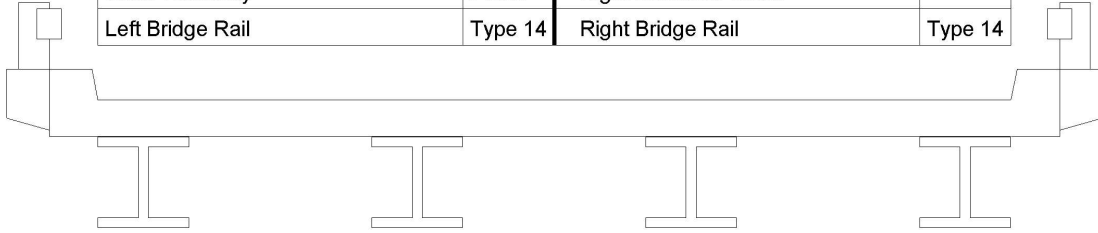
STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

Deck Width/Out to Out	26.250ft	Wearing Surface	
Between Rails	26.167ft	Median Width	
Curb Height	0.833ft	Median Height	
Top Rail to Deck/Wearing Surface	2.833ft	Left Guardrail Width	
Clear Roadway	24.0ft	Right Guardrail Width	
Left Bridge Rail	Type 14	Right Bridge Rail	Type 14



Measurements for Span #	1	SPAN 2, 3 SIMILAR	
Deck Thickness	0.583	Left Overhang	3.0
Top of Rail to Bottom of Beam	5.417	Right Overhang	3.0

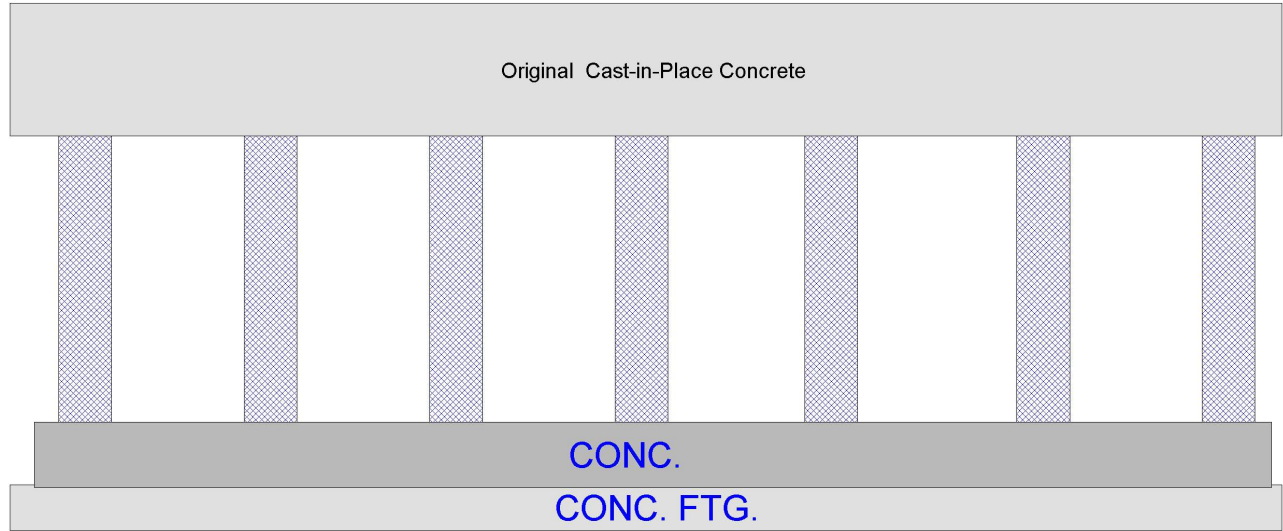
Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	6.750ft	
2	Steel I Beam	6.750ft	
3	Steel I Beam	6.750ft	
4	Steel I Beam		

W 27 X 84 I - BMS.

VERIFIED 2/15/12 DWELBORN

Title		Description	
TS		SUPER	
Bridge No:	130077	Drawn By:	DCW
Date:	02/11/2008	File Name:	S0126000592

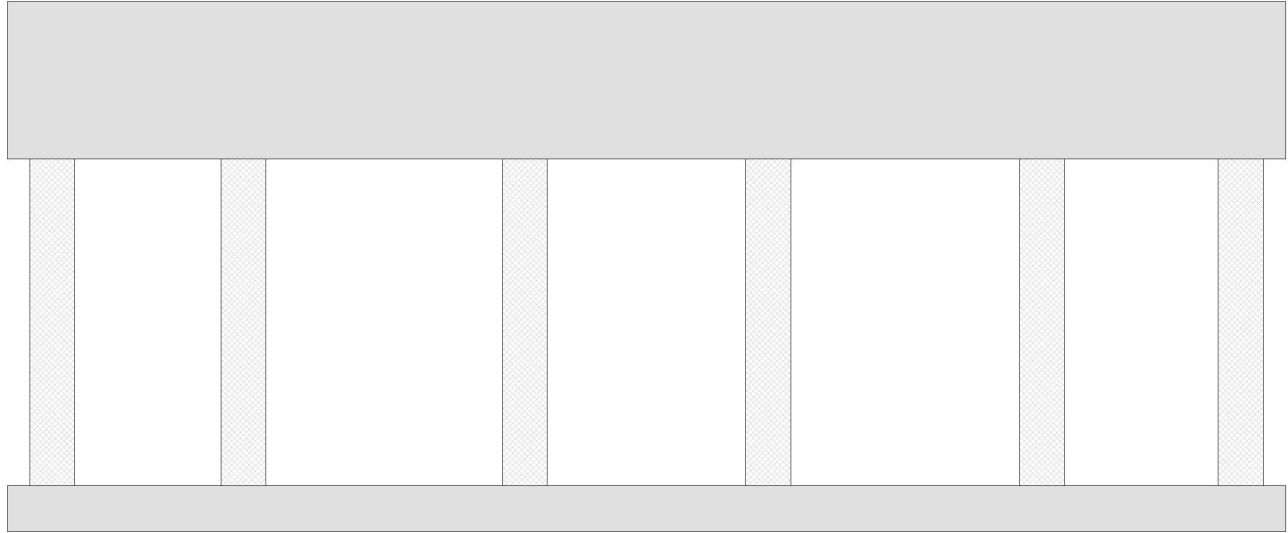
Bridge Inspection Field Sketch



Cap Information			Material Cast-in-Place Concrete							
Length 24.000 ft.	Width 2.500 ft.	Height 2.500 ft.	Left Overhang 1.417 ft.	Right Overhang 1.083 ft.	Left Beam to End of Cap. 1.917 ft.			Right Beam to End of Cap. 1.917 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	Steel	3.5 ft.	1 ft.	0.979 ft.		Vertical	No	Yes	No	No
2	Steel	3.5 ft.	1 ft.	.979 ft.		Vertical	No	Yes	No	No
3	Steel	3.5 ft.	1 ft.	.979 ft.		Vertical	No	Yes	No	No
4	Steel	3.583 ft.	1 ft.	.979 ft.		Vertical	No	Yes	No	No
5	Steel	4 ft.	1 ft.	.979 ft.		Vertical	No	Yes	No	No
6	Steel	3.5 ft.	1 ft.	.979 ft.		Vertical	No	Yes	No	No
7	Steel		1 ft.	.979 ft.		Vertical	No	Yes	No	No
WOOD PILES REPLACED WITH STEEL H- PILE										
Bent/Abutment #: 1 Similar Bents:										

Title SUB P		Description SUB P1	
Bridge No: 130077	Drawn By: G.R.R.	Date: 2/11/2008	File Name: S0130001897

Bridge Inspection Field Sketch



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.			
28.417 ft.	1.833 ft.	3.500 ft.	1.000 ft.	1.000 ft.	4.000 ft.		4.000 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	Steel	4.25 ft.	1 ft.	1 ft.		Vertical	No	No	No	No
2	Steel	6.25 ft.	1 ft.	1 ft.		Vertical	No	No	No	No
3	Steel	5.417 ft.	1 ft.	1 ft.		Vertical	No	No	No	No
4	Steel	6.083 ft.	1 ft.	1 ft.		Vertical	No	No	No	No
5	Steel	4.417 ft.	1 ft.	1 ft.		Vertical	No	No	No	No
6	Steel		1 ft.	1 ft.		Vertical	No	No	No	No
Bent/Abutment #: 1			Similar Bents: VERIFIED 2/15/12 J. FAULKNER							

Title

ABUT.

Description

ABUT. 1

Bridge No: 130077

Drawn By: DCW

Date: 02/11/2008

File Name: S0126000593

Bridge Inspection Field Sketch

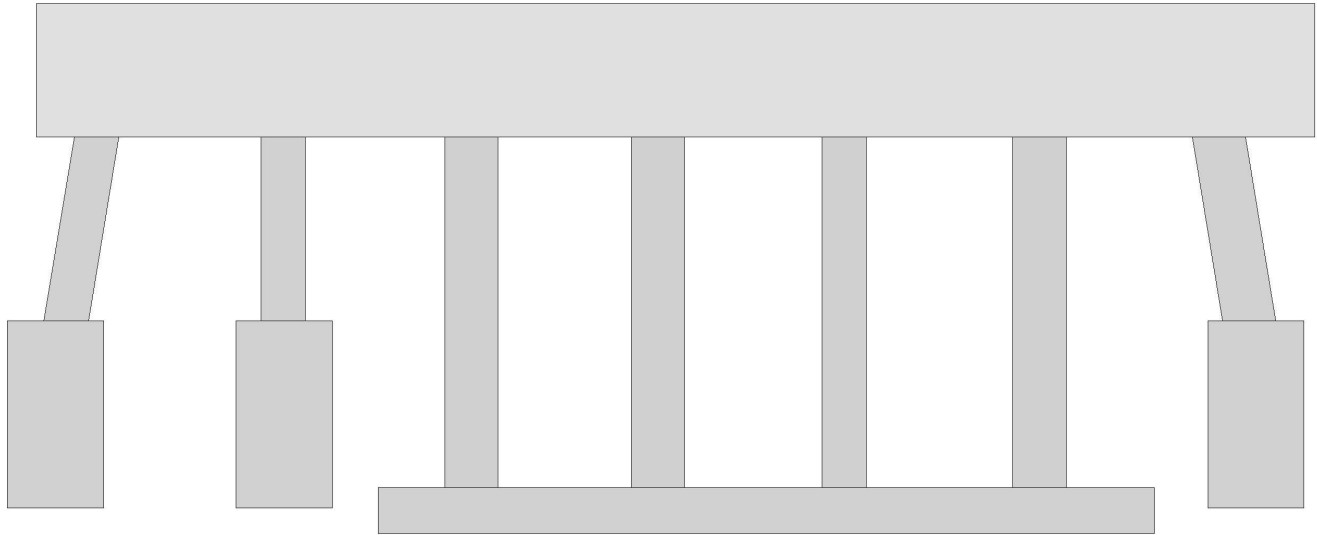


Roadway	19ft Wide	2 Paved Lanes	Looking North
Left Shoulder	6ft Wide		6ft Unpaved
Right Shoulder	6ft Wide		6ft Unpaved
Left Guardrail			
Right Guardrail			

VERIFIED 2/15/12 J. FAULKNER

Title APP.		Description APP. RDWY.	
Bridge No: 130077	Drawn By: G.R.R.	Date: 02/11/2008	File Name: S0126000594

Bridge Inspection Field Sketch



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.				
24.000 ft.	2.500 ft.	2.500 ft.	1.167 ft.	1.500 ft.	1.833 ft.	1.833 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	Timber	3.5 ft.	.833 ft.			Battered	Yes	No	No	Yes
2	Timber	3.5 ft.	.833 ft.			Vertical	Yes	No	No	Yes
3	Timber	3.5 ft.	1 ft.			Vertical	Yes	No	No	No
4	Timber	3.5 ft.	1 ft.			Vertical	Yes	No	No	No
5	Timber	3.667 ft.	.833 ft.			Vertical	Yes	No	No	No
6	Timber	3.25 ft.	1 ft.			Vertical	Yes	No	No	No
7	Timber		1 ft.			Battered	Yes	No	No	Yes
Bent/Abutment #: 2			Similar Bents: VERIFIED 2/15/12 J. FAULKNER							

Title
PIER 2

Description
PIER 2

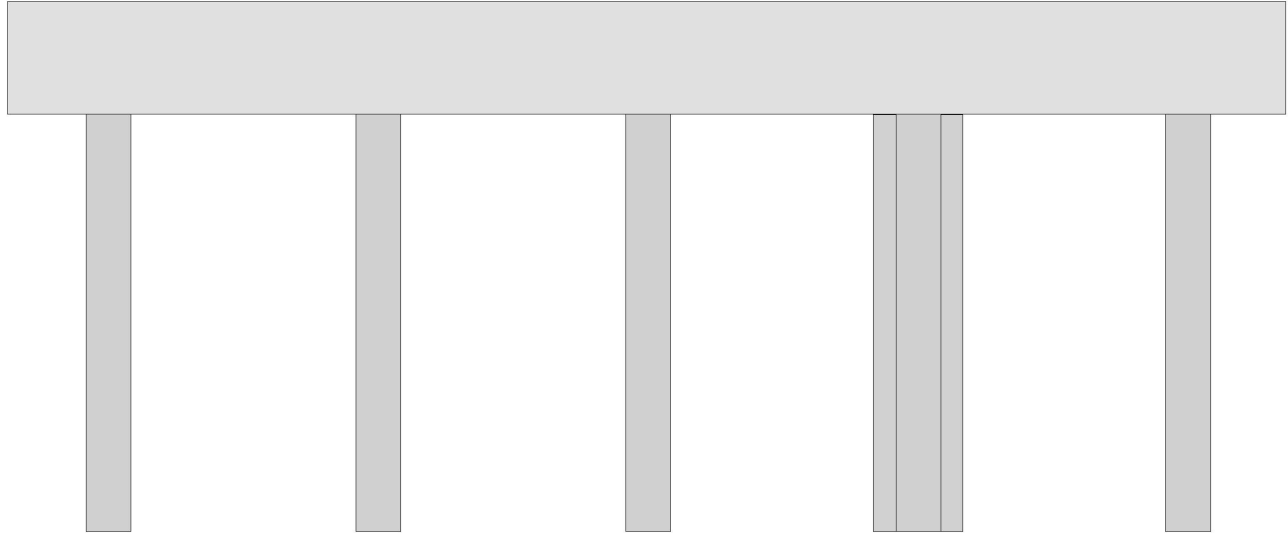
Bridge No: 130077

Drawn By: JSF

Date: 2/14/2012

File Name: S0130001972

Bridge Inspection Field Sketch



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.		
28.417 ft.	1.833 ft.	2.500 ft.	2.250 ft.	2.250 ft.	4.000 ft.			4.000 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	Timber	6 ft.	1 ft.			Vertical	Yes	No	No	No
2	Timber	6 ft.	1 ft.			Vertical	Yes	No	No	No
3	Timber	6 ft.	1 ft.			Vertical	Yes	No	No	No
4	Timber	6 ft.	1 ft.			Vertical	Yes	No	No	Yes
5	Timber	6 ft.	1 ft.			Vertical	Yes	No	No	No
Bent/Abutment #: 2			Similar Bents: VERIFIED 2/15/12 J. FAULKNER							

Title ABT 2		Description ABUTMENT 2	
Bridge No: 130077	Drawn By: JSF	Date: 2/14/2012	File Name: S0130001973



RAIL NORTHEAST



LOOKING SOUTH



RAIL NORTHEAST



LOOKING UPSTREAM



LOOKING DOWNSTREAM



LOOKING NORTH



LOOKING UPSTREAM



BOTTOM VIEW LOOKING NORTH



LOOKING DOWNSTREAM