



NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
BRIDGE MANAGEMENT UNIT

ATTENTION **TEMPORARY REPAIRS**

# BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY BRUNSWICK

BRIDGE NUMBER 090064

INSPECTION CYCLE 2 YRS

ROUTE SR1154

ACROSS SAUCE PAN CREEK

M.P. 0

LOCATION .3 MI.N.JCT.NC179

SUPERSTRUCTURE RC FLOOR/TIMBER JOISTS(STD.BMD-10MR)

SUBSTRUCTURE EBTS & BTS:TIM.CAPS/TIM.PILES @ VAR.CTS.

SPANS 1@17'8;1@17';1@17'10

LONGITUDE 78° 25' 33.4"

LATITUDE 35° 55' 6.6"

PRESENT CONDITION FAIR

INVENTORY RATING HS-01

INSPECTION DATE 03/03/2011

OPERATING RATING HS-01

PRESENT POSTING Not Posted SV 20 TTST 29

PROPOSED POSTING SV 20 TTST 29 TONS

COMPUTER UPDATE 3-25-11

ANALYSIS DATE 3-22-11

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT 2 WEIGHT LIMITS, 4 DELINEATORS



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: 03/25/2011

<b>IDENTIFICATION</b>					
(1) STATE NAME -NORTH CAROLINA	BRIDGE	090064	SUFFICIENCY RATING =	12.3	
(8) STRUCTURE NUMBER(FEDERAL)		000000000190064	STATUS =	Structurally Deficient	
INVENTORY ROUTE (ON/UNDER) - ON		131011540			
(2) STATE HIGHWAY DEPARTMENT DISTRICT		3			
(3) COUNTY CODE      19	(4) PLACE CODE	00000	<b>CLASSIFICATION</b>		
(6) FEATURE INTERSECTED - SAUCE PAN CREEK			(112)NBIS BRIDGE SYSTEM -	YES	
(7) FACILITY CARRIED SR1154			(104)HIGHWAY SYSTEM      NON NHS Route	0	
(9) LOCATION      .3 MI.N.JCT.NC179			(26) FUNCTIONAL CLASS -      Local	09	
(11)MILEPOINT		0	(100)STRAHNET HIGHWAY -      Not a STRAHNET Route	0	
(16)LAT      35° 55' 6.6"	(17)LONG      78° 25' 33.4"		(101)PARALLEL STRUCTURE -      No Parallel Structure	N	
(98)BORDER BRIDGE STATE CODE	PCT SHARE		(102)DIRECTION OF TRAFFIC -      2-way Traffic	2	
(99)BORDER BRIDGE STRUCTURE NO			(103)TEMPORARY STRUCTURE -      Temporary	T	
			(110)DESIGNATED NATIONAL NETWORK -      Not Part of	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	
<b>STRUCTURE TYPE AND MATERIAL</b>					
(43) STRUCTURE TYPE MAIN: Wood or Timber					
TYPE -      Stringer Multibeam or Girder	CODE	702			
(44) STRUCTURE TYPE APPR :					
TYPE -	CODE		<b>CONDITION</b>		
(45) NUMBER OF SPANS IN MAIN UNIT		3	(58) DECK	5	
(46) NUMBER OF APPROACH SPANS			(59) SUPERSTRUCTURE	5	
(107)DECK STRUCTURE TYPE -      Concrete cast-in-place	CODE	1	(60) SUBSTRUCTURE	4	
(108)WEARING SURFACE / PROTECTIVE SYSTEM :			(61) CHANNEL & CHANNEL PROTECTION	7	
(A) TYPE OF WEARING SURFACE -      Concrete	CODE	1	(62) CULVERTS	N	
(B) TYPE OF MEMBRANE      -      None	CODE	0			
(C) TYPE OF DECK PROTECTION -      None	CODE	0	<b>LOAD RATING AND POSTING</b>		
			(31) DESIGN LOAD      Other or Unknown	0	
			(64) OPERATING RATING -      HS-1	101	
			(66) INVENTORY RATING -      HS-1	101	
			(70) BRIDGE POSTING -      Posting Required	1	
			(41) STRUCTURE OPEN, POSTED ,OR CLOSED	P	
			DESCRIPTION -      Posted for Load		
<b>AGE AND SERVICE</b>					
(27) YEAR BUILT		1967			
(106)YEAR RECONSTRUCTED					
(42) TYPE OF SERVICE : ON -      Highway					
UNDER -      Waterway	CODE	15			
(28) LANES: ON STRUCTURE      2 UNDER STRUCTURE					
(29) AVERAGE DAILY TRAFFIC		2000	<b>APPRAISAL</b>		
(30) YEAR OF ADT      2008	(109) TRUCK ADT PCT	6 %	(67) STRUCTURAL EVALUATION	2	
(19) BYPASS OR DETOUR LENGTH		3 MI	(68) DECK GEOMETRY	3	
			(69) UNDERCLEARANCES,VERTI & HORIZ	N	
			(71) WATERWAY ADEQUACY	7	
			(72) APPROACH ROADWAY ALIGNMENT	5	
			(36) TRAFFIC SAFETY FEATURES	0000	
			(113)SCOUR CRITICAL BRIDGES	8	
			SCOUR PLAN OF ACTION		
<b>GEOMETRIC DATA</b>					
(48) LENGTH OF MAXIMUM SPAN		18 FT			
(49) STRUCTURE LENGTH		53 FT			
(50)CURB OR SIDEWALK: LEFT      0.4 FT RIGHT		0.4 FT			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		23.9 FT			
(52) DECK WIDTH OUT TO OUT		25.3 FT			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		20.0 FT			
(33) BRIDGE MEDIAN -      No Median	CODE	0	<b>PROPOSED IMPROVEMENTS</b>		
(34) SKEW      5° (35) STRUCTURE FLARED		NO	(75) TYPE OF WORK -	CODE	311
(10) INVENTORY ROUTE MIN VERT CLEAR	99 FT 99 IN		(76) LENGTH OF STRUCTURE IMPROVEMENT		77 FT
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	23.9 FT		(94) BRIDGE IMPROVEMENT COST		\$164,000
(53) MIN VERT CLEAR OVER BRIDGE RDWY	99 FT 99 IN		(95) ROADWAY IMPROVEMENT COST		\$41,000
(54) MIN VERT UNDERCLEAR REF      Not a Highway or Railroad			(96) TOTAL PROJECT COST		\$246,000
(55) MIN LAT UNDERCLEAR RT REF      Not a Highway or Railroad	99.9 FT		(97) YEAR OF IMPROVEMENT COST ESTIMATE		2007
(56) MIN LAT UNDERCLEAR LT REF -	0.0 FT		(114)FUTURE ADT      4000	(115) YEAR FUTURE ADT	2025
<b>NAVIGATION DATA</b>					
(38) NAVIGATION CONTROL -      No Navigational Control	CODE	0	(90) INSPECTION DATE	03/03/2011	
(111)PIER PROTECTION -      Not Applicable	CODE		(92) CRITICAL FEATURE INSPECTION :	(93) CFI DATE	
(39) NAVIGATION VERTICAL CLEARANCE		0	A) FRACTURE CRIT DETAIL -      NO	A)	
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			B) UNDERWATER INSP -      NO	B)	
(40) NAVIGATION HORIZONTAL CLEARANCE		0	C) OTHER SPECIAL INSP      NO	C)	
			SCOUR		



# BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection  
 BRIDGE NO. 090064 COUNTY BRUNSWICK ROUTE SR1154 OVER SAUCE PAN CREEK  
 STRUCTURE TYPE RC FLOOR/TIMBER JOISTS(STD.BMD-10MR)  
 ROUTE ORIENTATION S - N SPANS 1@17'8;1@17';1@17'10

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		
2. DECK NO. OF EA TYPE					b. ALIGNMENT	G		
a. CONCRETE			3		c. SCOUR	G		
b. TIMBER					d. SLOPE PROT., RIP-RAP, DIKES, ETC.			
c. STEEL PLANK				50. APPROACH ROADWAY CONDITION			F	
d. OPEN GRID				51. APPROACH SLABS				
3. RAILING				52. PAINT SYSTEM CODE				
a. CONCRETE				53. UTILITIES				
b. TIMBER				54. RESPONSE TO LIVE LOAD			G	
c. ALUMINUM				55. ESTIMATED REMAINING LIFE			11	
d. STEEL			F					
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. NO. OF EACH				61. PROMPT-ACTION NOTICE ISSUED			NO	
a. STEEL PL OR FINGER				62. PRESENTLY POSTED			YES	
b. MISC PREFAB				63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			8	
c. COMPRESSION SEAL				64. TOTAL SNOOPER INSP. TIME (HRS)				
d. STANDARD JOINTS			2	G	65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)			
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	5		
10. LONGITUDINAL BEAMS OR GIRDERS				b. SUPERSTRUCTURE	ITEM 59	5		
11. LONGITUDINAL JOIST OR STRINGERS			F	c. SUBSTRUCTURE	ITEM 60	5		
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S				d. CHANNEL & CHANNEL PROT.	ITEM 61	7		
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)				a. WATERWAY ADAQUACY	7			
16. DRAINAGE SYSTEM (ON STRUCTURE)			G	b. APPR. RDWY. ALIGNMENT	5			
17. MOVABLE SPAN MACHINERY								
				72. FIELD SCOUR EVALUATION			O	
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)								
35. TIM SUB STR.				USE OF INSP. ACCESSIBILITY EQUIPMENT				
a. ABUT. & INT. BENT CAPS & RISERS			F	SNOOPER (CODE S, 4, OR N)		HRS	NO	
b. PILES, POST, SILLS, & BRACING			F	LADDER		NO		
c. BULKHEADS, WING'S, & TIE BACKS			F	BUCKET TRUCK		NO		
36. CONC SUB STR.				BOAT		YES		
a. ABUT. & INT. BENT CAPS				OTHER		NO		
b. ABUT. & BENT COL'S BREASTWALLS								
c. ABUT. & INT. BENT PILES								
d. BACKWALLS, WING'S, RETAIN. WALLS								
e. ABUT. & BENT FOOTINGS & SILLS								
37. STEEL SUB STR.				SPECIAL INSPECTION REQUESTED FOR				
a. ABUT. & INT. BENT CAPS & RISERS								
b. PILES, BRACING, AND BULKHEADS								
38. FOUNDATION PILES TYPE MATERIAL				NOTE				
39. SLOPE PROT., RIP-RAP (INCLUDE DRAINAGE)								
40. FENDER SYSTEMS				80. INSPECTED BY:		Bryan Green		
41. DRIFT			G	81. REVIEWED BY:				



**BRIDGE INSPECTION RECORD AND SUMMARY  
FOR SHORED STRUCTURES OR STRUCTURES  
WITH TEMPORARY REPAIRS MADE TO KEEP  
A BRIDGE OPEN**

BRIDGE: **090064**COUNTY: **Brunswick**DATE: **2/18/2008**

THE FOLLOWING S. I. & A ITEMS ARE TO BE CODED TO REFLECT THE FACT  
THAT THE STRUCTURE IS SHORED OR HAS HAD TEMPORARY REPAIRS MADE  
TO KEEP THE BRIDGE OPEN :

	<u>CODE</u>	<u>BY</u>
S I & A ITEM 103 - TEMPORARY STRUCTURE DESIGNATION	<b>T</b>	<b>TSE</b>
S I & A ITEM 59 - SUPERSTRUCTURE		
S I & A ITEM 60 - SUBSTRUCTURE	<b>4</b>	<b>TSE</b>
S I & A ITEM 64 OPERATING RATING		
HS <b>0</b>	BY: <b>RPG</b>	
S I & A ITEM 66 - INVENTORY RATING		
HS <b>0</b>	BY: <b>RPG</b>	

**COMMENTS**

Temp. repairs to some Piles and Bulkhead boards.



Bridge I&A Form 1(82)H State of North Carolina Dept. of Transportation Division of Highways		<b>FIELD INSPECTION REPORT</b> <u>Bridge Inspection &amp; Analysis</u>	
Team Leader <b>Bryan Croom</b>			
Assisted By <b>RGM</b>			
<b>Item No.</b>	<b>Grade</b>		
2a	F	TRANSVERSE CRACKING IN DECK OVER END BENTS. TRANSVERSE CRACKING/LONGITUDINAL CRACKING IN DECK IN ALL SPANS UP TO .030" WIDE.	
3d	F	EAST RAIL POST # 3 IN SPAN 1 LOWER CONNECTION BOLT MISSING. SURFACE RUST ALONG RAILS.	
4	G	HAIRLINE CRACKING ALONG CURBS.	
7	F	DEBRIS ALONG EAST CURB BLOCKING DRAINS. DEBRIS BUILDUP AT SOUTHWEST CORNER CURB, SIMILAR AT NORTHWEST CORNER.	
11	F	LONGITUDINAL CRACKING ALONG JOIST UP TO 1/16" WIDE.	
35a	F	LONGITUDINAL CRACKING ALONG CAPS UP TO 3/16" WIDE. END BENT 2 CAP AT PILE 3 DELAMINATED AREA 30" LONG X 4" HIGH.	
35b	F	PILE 4 AT END BENT 2 AND NORTHEAST TURNPILE ENCASED IN CONCRETE. PILES 1 - 4 AT END BENT 1 ENCASED IN CONCRETE.	
35c	F	NEW SHEETPILE BOARDS IN PLACE AT ALL WINGWALLS. NEW SHEETPILE BOARDS IN PLACE ALONG BOTH BULKHEADS.	
50	F	SOUTH AND NORTH APPROACH ASPHALT WEARING SURFACE CRACKED AND SETTLED 1".	
62	YES	SV 20 TTST 29	
71b	5	BRIDGE IS IN A CURVE.	

## **BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS**

Bridge: 090064

County BRUNSWICK

Date: 03/03/2011

**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	2	SOUTH AND NORTH APPROACH ASPHALT WEARING SURFACE CRACKED AND SETTLED 1".	
3322 (568)	Maint to Steel Handrail	LF	1	EAST RAIL POST # 3 IN SPAN 1 LOWER CONNECTION BOLT MISSING	
3344 (580)	Repair / Replace Timber Substructure Components	LF	26	END BENT 2 CAP AT PILE 3 DELAMINATED AREA 30" LONG X 4" HIGH.	
3376 (602)	Clean/Wash Bridge Decks	SF	53	DEBRIS ALONG EAST CURB BLOCKING DRAINS	

### Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined





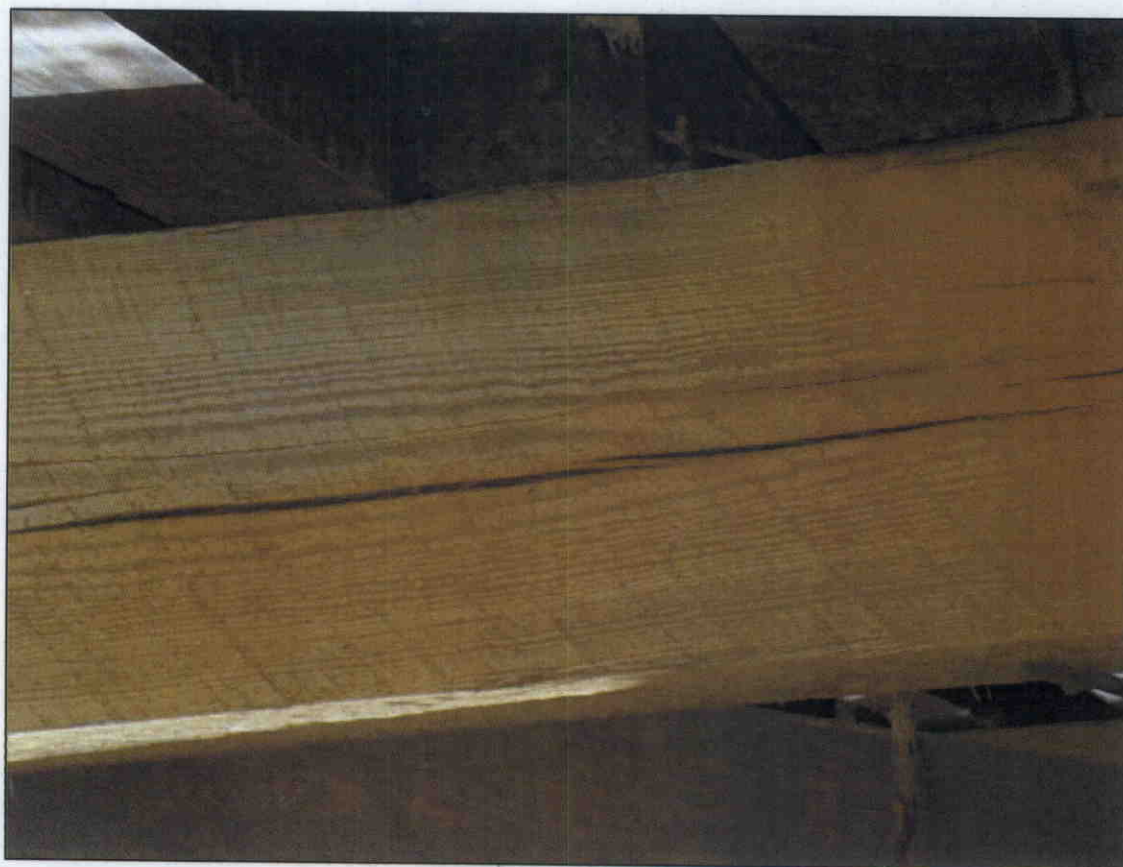
PILE 4 AT END BENT 2 AND NORTHEAST TURNPILE ENCASED IN CONCRETE



NEW SHEETPILE BOARDS IN PLACE AT ALL WINGWALLS



NEW SHEETPILE BOARDS IN PLACE ALONG BOTH BULKHEADS



LONGITUDINAL CRACKING ALONG CAPS UP TO 3/16" WIDE.





LONGITUDINAL CRACKING ALONG JOIST UP TO 1/16" WIDE



END BENT 2 CAP AT PILE 3 DELAMINATED AREA 30" LONG X 4" HIGH.



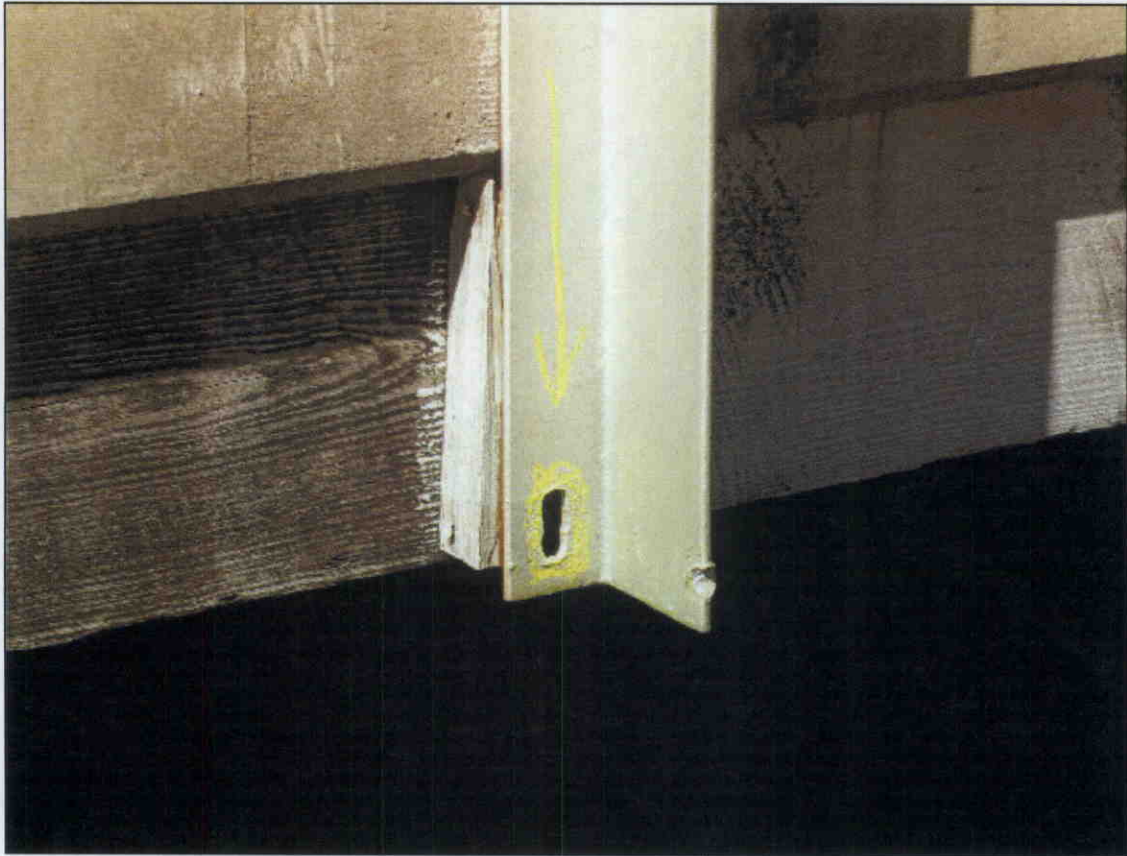


END BENT 1 ALL PILES ENCASED IN CONCRETE



SOUTH APPROACH ASPHALT WEARING SURFACE CRACKED AND SETTLED 1"





EAST RAIL POST # 3 IN SPAN 1 LOWER CONNECTION BOLT MISSING



SURFACE RUST ALONG RAILS



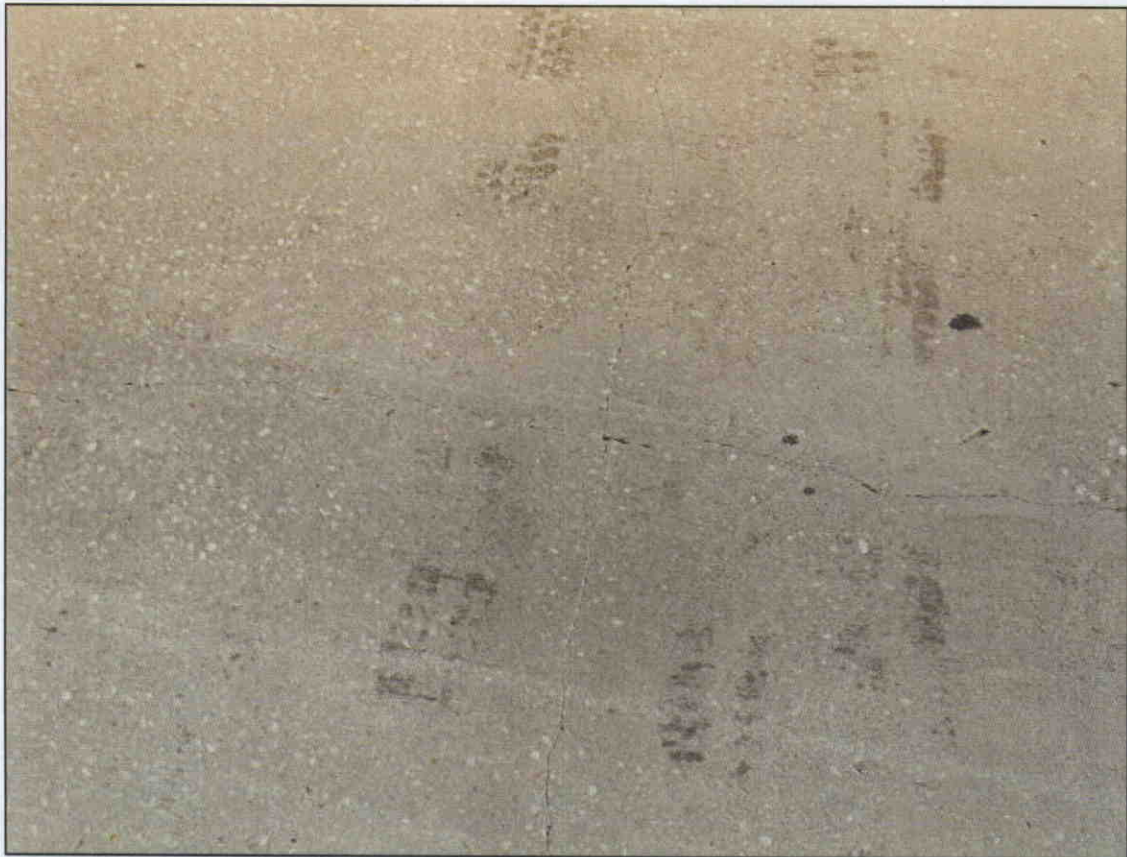


TRANSVERSE CRACKING IN DECK OVER END BENTS



DEBRIS ALONG EAST CURB BLOCKING DRAINS





TRANSVERSE CRACKING/LONGITUDINAL CRACKING IN DECK IN ALL SPANS UP TO .030" WIDE.



NORTH APPROACH ASPHALT WEARING SURFACE CRACKED AND SETTLED 1"





DEBRIS BUILDUP AT SOUTHWEST CORNER CURB, SIMILAR AT NORTHWEST CORNER



HAIRLINE CRACKING ALONG CURBS



BRIDGE MANAGEMENT UNIT  
DATA ON EXISTING STRUCTURE

Run Date: 03/25/2011

COUNTY :	DIV :	DIST :	STRUCTURE NUMBER :	LENGTH :
BRUNSWICK	3	3	090064	53 FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1154	SAUCE PAN CREEK

LOCATED :	BRIDGE NAME :	CITY :
.3 MI.N.JCT.NC179		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	2000 2008	LT 233 RT 233

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1967	BMU	5.2351		Other or Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :
	DBM		TAN	85	ON 2 UNDER

NAVIGATION :	HT. CRN. TO BED :	WATER DEPTH :
VC 0.0 FT HC 0.0 FT	12 FT	6 FT

SUPERSTRUCTURE : RC FLOOR/TIMBER JOISTS(STD.BMD-10MR)

SUBSTRUCTURE : EBTS & BTS:TIM.CAPS/TIM.PILES;E.BT1 STL CRUTCH PILES

SPANS : 1@17'8;1@17';1@17'10

BEAMS OR GIRDERS : 19LINES 6X12 TIMBER JOIST@VAR.CTS.

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
5RC/NO AWS		25.3 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
23.9 FT	24.8 FT	LT 0.4 FT RT 0.4 FT

VERT.CL.OVER :	VERT.CL.UNDER :	HOR.CL.UNDER :
99 FT 99 IN	00 FT 00 IN	0.0 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :
HS-1	HS-1	JOIST EXT.	SV 20 TTST 29 DATE 09/04/2008

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

2ND OPENING :	3RD OPENING :	4TH OPENING :	5TH OPENING :
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REMARKS :



# Structure Data Worksheet

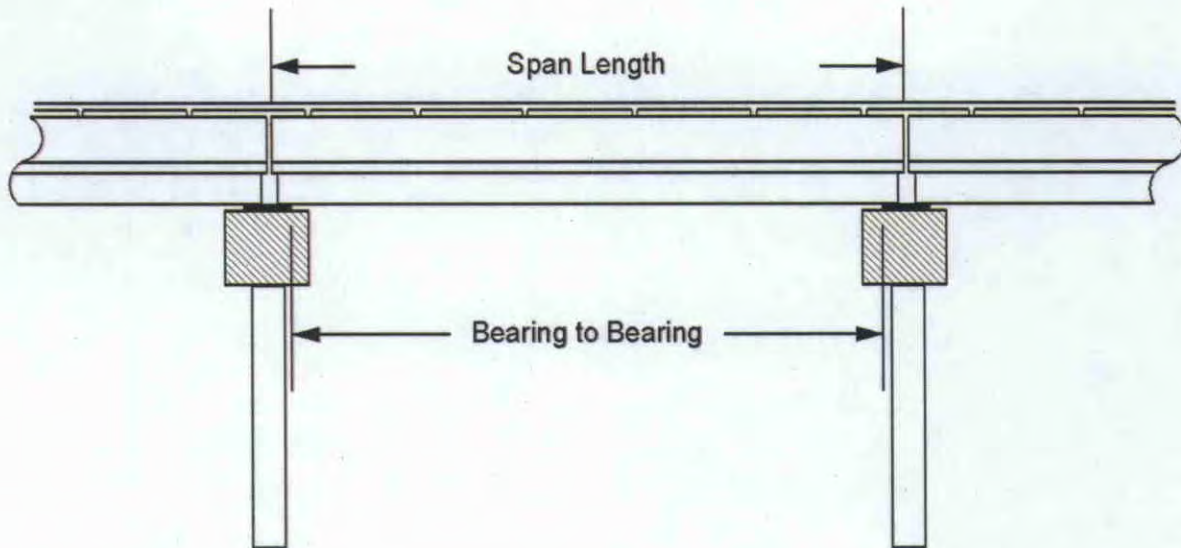
Spans

County: BRUNSWICK

Structure No: 090064

Date: 03/03/2011

Inspected By: BC



Span No	Span Length	Bearing to Bearing	Comments
1	17.667	16.17'	
2	17	16	
3	17.833	16.33'	



# Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 090064      County: BRUNSWICK      Date: 03/03/2011      By: BC

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

Distance from Highwater Mark to top of rail: 4.1      Location of Highwater Mark: Top of Cap

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.7	TOP OF BULKHEAD			
1	4.1	Top of Cap	1	7.6	GROUND AT CAP
1.1	7	GROUND AT CAP			
11	8.3	WEWS			
18	11.7	BENT 1	18	13.5	BENT 1
34.8	13.7	BENT 2	34.8	14.5	BENT 2
46.7	8.3	WEWS			
51	7.4	GROUND AT CAP	51	7.5	GROUND AT CAP
51.5	4.1	Top of Cap			
52.7	2.7	TOP OF BULKHEAD			



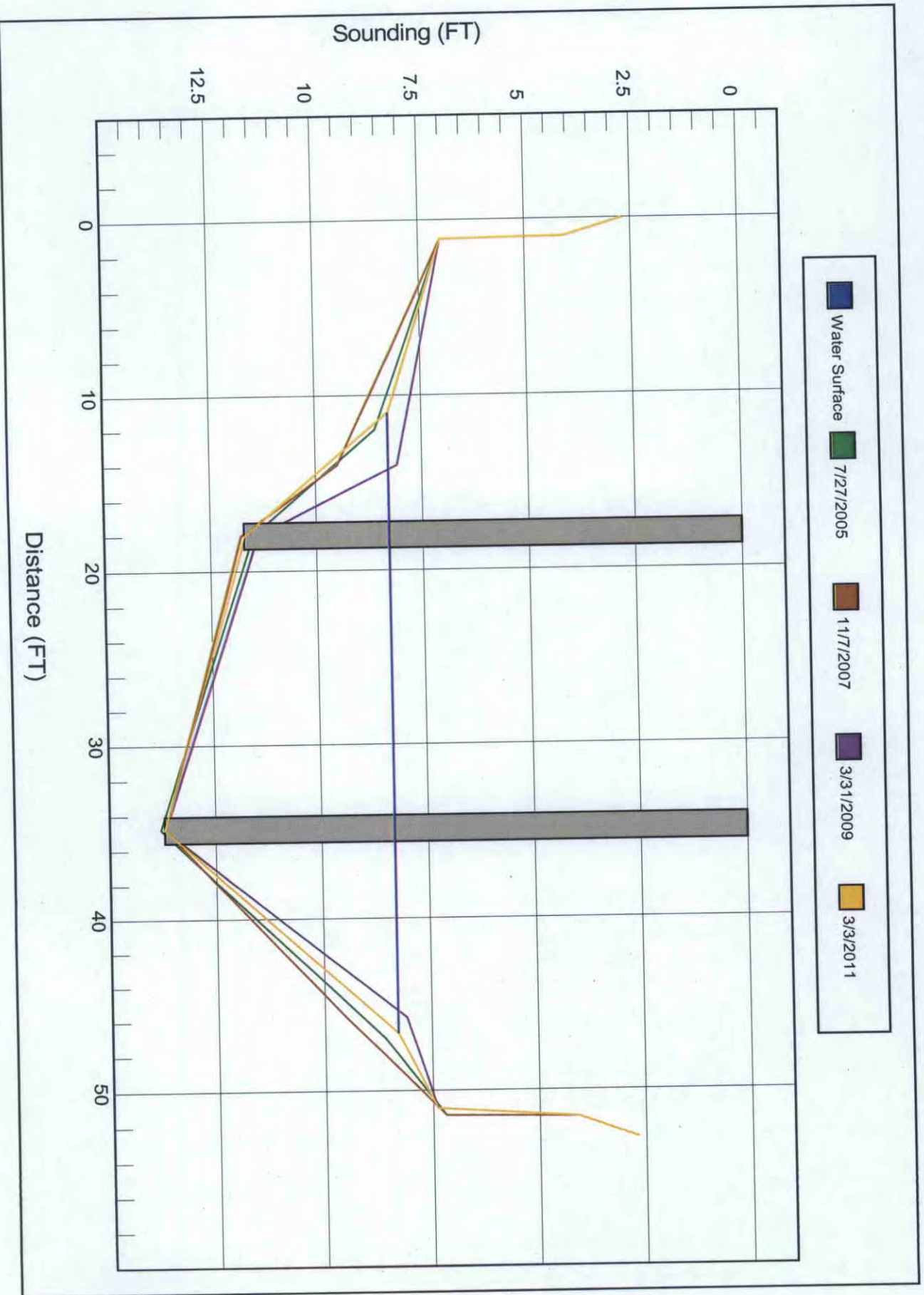
Bridge: 090064

County BRUNSWICK

Date: 03/03/2011

Top of Rail = 0 FT (Sounding)

### STREAMBED PROFILE (Downstream)





## Bridge Inspection Field Sketch



Roadway	20ft Wide	2 Paved Lanes	Looking North
Left Shoulder	8ft Wide	0ft Paved	8ft Unpaved
Right Shoulder	8ft Wide	0ft Paved	8ft Unpaved
Left Guardrail			
Right Guardrail			

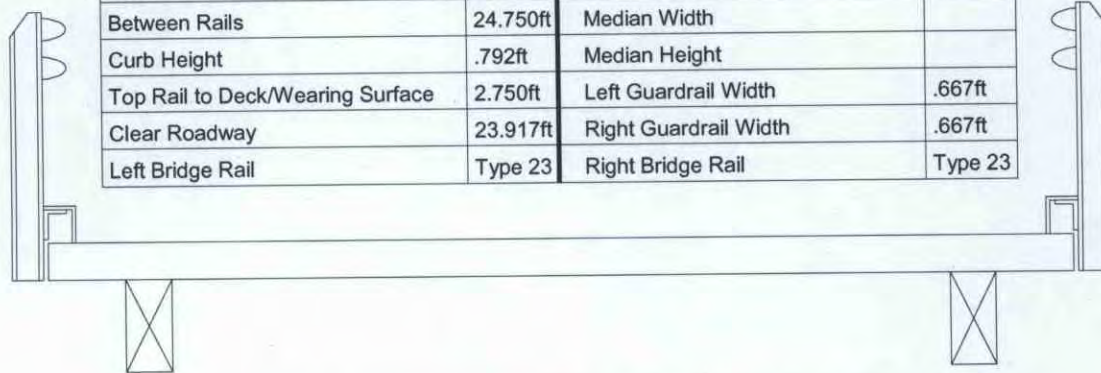
VERIFIED BY RGM ON 3-3-11

<b>Title</b> ROADWAY1		<b>Description</b> LOOKING NORTH	
<b>Bridge No:</b> 090064	<b>Drawn By:</b> EHT	<b>Date:</b> 03/31/09	<b>File Name:</b> S0042000740



# Bridge Inspection Field Sketch

Deck Width/Out to Out	25.333ft	Wearing Surface	
Between Rails	24.750ft	Median Width	
Curb Height	.792ft	Median Height	
Top Rail to Deck/Wearing Surface	2.750ft	Left Guardrail Width	.667ft
Clear Roadway	23.917ft	Right Guardrail Width	.667ft
Left Bridge Rail	Type 23	Right Bridge Rail	Type 23



Measurements for Span #	1	SPANS 2 AND 3 SIMILAR	
Deck Thickness	.417	Left Overhang	.417
Top of Rail to Bottom of Beam	4.167	Right Overhang	.417

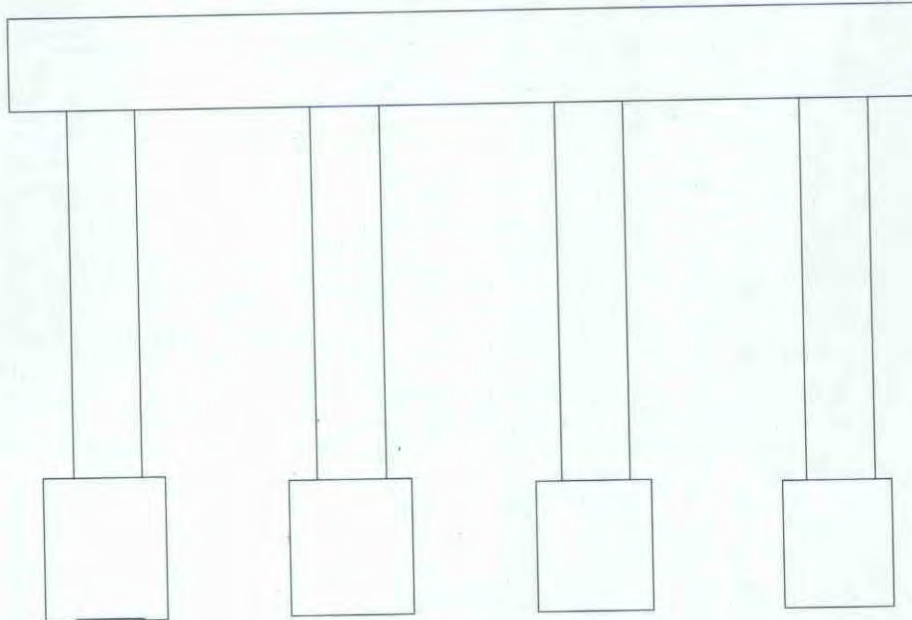
Beam No	Beam Type	Spacing	Comments
1	Timber (Rectangular)	1.333ft	JOIST SIZE: 6" X 11.5"
2	Timber (Rectangular)	1.333ft	
3	Timber (Rectangular)	1.333ft	
4	Timber (Rectangular)	1.333ft	
5	Timber (Rectangular)	1.333ft	
6	Timber (Rectangular)	1.333ft	
7	Timber (Rectangular)	1.333ft	
8	Timber (Rectangular)	1.333ft	
9	Timber (Rectangular)	1.333ft	
10	Timber (Rectangular)	1.333ft	
11	Timber (Rectangular)	1.333ft	
12	Timber (Rectangular)	1.333ft	
13	Timber (Rectangular)	1.333ft	
14	Timber (Rectangular)	1.333ft	
15	Timber (Rectangular)	1.333ft	
16	Timber (Rectangular)	1.333ft	
17	Timber (Rectangular)	1.333ft	
18	Timber (Rectangular)	1.833ft	
19	Timber (Rectangular)		

VERIFIED BY RGM ON 3-3-11

Title		Description	
SUPERSTRUCTURE		LOOKING NORTH	
Bridge No: 090064	Drawn By: HBC	Date: 07/25/2005	File Name: S0042000741



## Bridge Inspection Field Sketch



Abutment #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	26.167ft Long	1ft Wide	.958ft High
Left Overhang	1.333ft	Lt Cap/Beam Overhang	1.042ft
Right Overhang	1.167ft	Rt Cap/Beam Overhang	.958ft

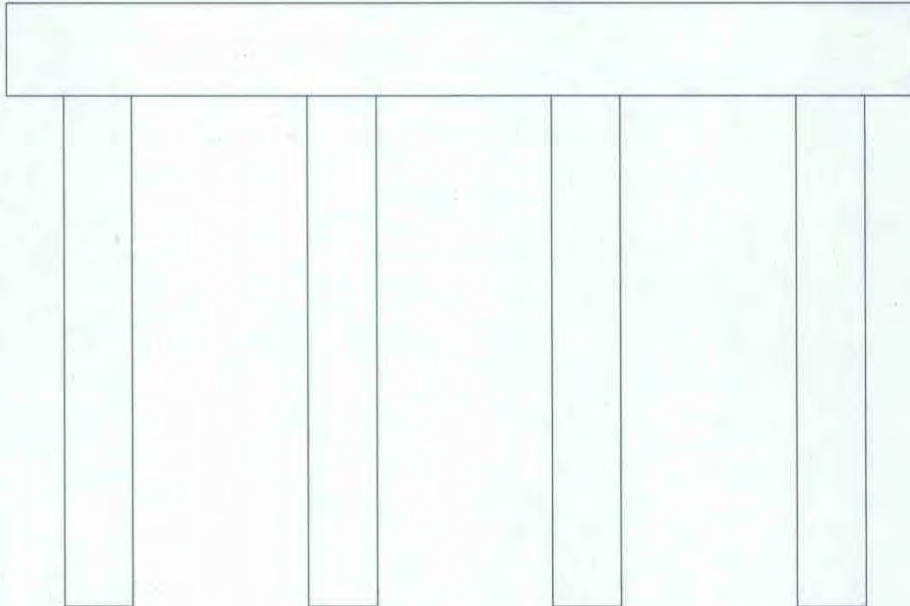
Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	8FT.		1FT.		Vertical
2	Wood or Timber	Pile Bent	8.167FT.		1FT.		Vertical
3	Wood or Timber	Pile Bent	7.5FT.		1FT.		Vertical
4	Wood or Timber	Pile Bent			1FT.		Vertical

VERIFIED BY RGM ON 3-3-11

Title		Description	
SUBSTRUCTURE		LOOKING NORTH	
Bridge No: 090064	Drawn By: EHT	Date: 03/31/09	File Name: S0042000742



## Bridge Inspection Field Sketch



Bent #1	1	Bent # 2 Similar	end bent 2 similar
Cap - Beam Type (Wood or Steel)			
Cap Size	26.167ft Long	1ft Wide	.958ft High
Left Overhang	1.333ft	Lt Cap/Beam Overhang	1.042ft
Right Overhang	1.167ft	Rt Cap/Beam Overhang	.958ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	8FT.		1FT.		Vertical
2	Wood or Timber	Pile Bent	8.167FT.		1FT.		Vertical
3	Wood or Timber	Pile Bent	7.5FT.		1FT.		Vertical
4	Wood or Timber	Pile Bent			1FT.		Vertical

VERIFIED BY RGM ON 3-3-11

<b>Title</b>		<b>Description</b>	
SUBSTRUCTURE 2		LOOKING NORTH	
Bridge No: 090064	Drawn By: EHT	Date: 03/31/09	File Name: S0042000744





BENT 1 BENT 2 SIMILAR



EAST END OF BENT 2





END BENT 2



SPAN 2 UNDERSIDE SPANS 1 AND 3 SIMILAR





LOOKING NORTH



EAST SIDE





WEST SIDE



BENT 1 JOINT BENT 2 JOINT SIMILAR





UPSTREAM WEST



DOWNSTREAM EAST





LOOKING SOUTH



CLOSEUP OF WEIGHT LIMIT SIGN