



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

PRIORITY MAINTENANCE
TEMPORARY REPAIR

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY GUILFORD BRIDGE NUMBER 400271 INSPECTION CYCLE 2 YRS
ROUTE SR3343 ACROSS STINKING QUARTER CREEK M.P. 0

LOCATION 0.25 MI. E. JCT. SR3360

SUPERSTRUCTURE TIMBER DECK ON TIMBER JOISTS

SUBSTRUCTURE END BENTS & INT.BENTS:TIMBER CAPS & PILES,TIMBER BULKHEADS

SPANS 1@17'10", 1@17'5", 1@17'7"

LONGITUDE 79° 36' 13.71"

LATITUDE 35° 56' 13.17"

INSPECTION DATE 02/20/2013

PRESENT CONDITION FAIR

PRESENT POSTING Y SV 16 TTST 24

PROPOSED POSTING

OTHER SIGNS PRESENT 4 DELINEATORS



LOOKING EAST

Fracture Critical	<u>No</u>
Temporary Shoring	<u>No</u>
Scour Critical	<u>No</u>
Scour POA	<u>Yes</u>

SIGN NOTICE ISSUED FOR		NUMBERED REQUIRED
<u>No</u>	WEIGHT LIMIT	
<u>No</u>	DELINEATORS	
<u>No</u>	NARROW BRIDGE	
<u>No</u>	ONE LANE BRIDGE	
<u>No</u>	LOW CLEARANCE	

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

BRIDGE: 400271

COUNTY: Guilford

DATE: 3/8/2011

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	T	TSE
S I & A ITEM 59 - SUPERSTRUCTURE		
S I & A ITEM 60 - SUBSTRUCTURE	4	TSE
S I & A ITEM 64 OPERATING RATING		
S I & A ITEM 66 - INVENTORY RATING	HS 01	BY:
	HS 01	BY:

3/8/11

COMMENTS

Some piles encased.

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

Run Date: 03/07/2013

IDENTIFICATION							
(1) STATE NAME -NORTH CAROLINA	BRIDGE	400271		SUFFICIENCY RATING =	28.13		
(8) STRUCTURE NUMBER(FEDERAL)		00000000810271		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31033430					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2					
(3) COUNTY CODE	81	(4) PLACE CODE	0				
(6) FEATURE INTERSECTED -	STINKING QUARTER CREEK						
(7) FACILITY CARRIED	SR3343						
(9) LOCATION	0.25 MI. E. JCT. SR3360						
(11) MILEPOINT		0					
(16) LAT	35° 56' 13.17"	(17) LONG	79° 36' 13.71"				
(98) BORDER BRIDGE STATE CODE		PCT SHARE					
(99) BORDER BRIDGE STRUCTURE NO							
STRUCTURE TYPE AND MATERIAL							
(43) STRUCTURE TYPE MAIN:	Wood or Timber						
TYPE -	Stringer Mullibeam or Girder	CODE	702				
(44) STRUCTURE TYPE APPR :							
TYPE -		CODE	0				
(45) NUMBER OF SPANS IN MAIN UNIT			3				
(46) NUMBER OF APPROACH SPANS			0				
(107) DECK STRUCTURE TYPE -	8	CODE					
(108) WEARING SURFACE / PROTECTIVE SYSTEM :							
(A) TYPE OF WEARING SURFACE -		CODE					
(B) TYPE OF MEMBRANE -		CODE					
(C) TYPE OF DECK PROTECTION -		CODE					
AGE AND SERVICE							
(27) YEAR BUILT			1953				
(106) YEAR RECONSTRUCTED			1989				
(42) TYPE OF SERVICE : ON -	Highway						
UNDER -	Waterway	CODE	15				
(28) LANES: ON STRUCTURE	2	UNDER STRUCTURE	0				
(29) AVERAGE DAILY TRAFFIC			390				
(30) YEAR OF ADT	2011	(109) TRUCK ADT PCT	6%				
(19) BYPASS OR DETOUR LENGTH			2 MI				
GEOMETRIC DATA							
(48) LENGTH OF MAXIMUM SPAN			17 FT				
(49) STRUCTURE LENGTH			53 FT				
(50) CURB OR SIDEWALK: LEFT	.208 FT	RIGHT	.208 FT				
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			24.167 FT				
(52) DECK WIDTH OUT TO OUT			25.5 FT				
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			18 FT				
(33) BRIDGE MEDIAN -	No Median	CODE	0				
(34) SKEW	0°	(35) STRUCTURE FLARED	0				
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT				
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			24.167 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				
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				
CLASSIFICATION				CODE			
(112) NBIS BRIDGE SYSTEM -			YES				
(104) HIGHWAY SYSTEM	Is not on NHS		0				
(26) FUNCTIONAL CLASS -	Local		09				
(100) STRAHNET HIGHWAY -	Not a STRAHNET Route		0				
(101) PARALLEL STRUCTURE -	No Parallel Structure		N				
(102) DIRECTION OF TRAFFIC -	2-way Traffic		2				
(103) TEMPORARY STRUCTURE -	Temporary Structure/Conditions		T				
(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				
CONDITION				CODE			
(58) DECK			5				
(59) SUPERSTRUCTURE			6				
(60) SUBSTRUCTURE			4				
(61) CHANNEL & CHANNEL PROTECTION			5				
(62) CULVERTS			N				
LOAD RATING AND POSTING				CODE			
(31) DESIGN LOAD	Unknown		0				
(63) OPERATING RATING METHOD -	Allowable Stress						
(64) OPERATING RATING -	HS-1		201				
(65) INVENTORY RATING METHOD -	Allowable Stress						
(66) INVENTORY RATING -	HS-1		201				
(70) BRIDGE POSTING -	Posting Required		0				
(41) STRUCTURE OPEN, POSTED ,OR CLOSED			P				
DESCRIPTION -	Posted for Load						
APPRAISAL				CODE			
(67) STRUCTURAL EVALUATION			3				
(68) DECK GEOMETRY			5				
(69) UNDERCLEARANCES, VERTI & HORIZ			N				
(71) WATERWAY ADEQUACY			5				
(72) APPROACH ROADWAY ALIGNMENT			8				
(36) TRAFFIC SAFETY FEATURES			0000				
(113) SCOUR CRITICAL BRIDGES			U				
PROPOSED IMPROVEMENTS				CODE			
(75) TYPE OF WORK -							
(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	780	(115) YEAR FUTURE ADT	2025				
INSPECTIONS							
(90) INSPECTION DATE			02/20/2013				
(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							

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 03/07/2013

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :		
GUILFORD	7	2	400271	53	FEET	
ROUTE CARRIED :		FEATURE INTERSECTED :				
SR3343		STINKING QUARTER CREEK				
LOCATED :		BRIDGE NAME :			CITY :	
0.25 MI. E. JCT. SR3360						
FUNC. CLASS :		SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :	
09		NFA	NFA	390 2011	LT 227 RT 227	
BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :		
1953	BMU			Unknown		
REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :	
1989	BMU		TAN	90	ON 2 UNDER 0	
NAVIGATION :		HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT HC 0 FT		8 FT		2 FT		
SUPERSTRUCTURE : TIMBER DECK ON TIMBER JOISTS						
SUBSTRUCTURE : END & INT. BENTS:TIMBER CAPS & PILES,TIMBER BULKHEADS						
SPANS : 1@17'10", 1@17'5", 1@17'7"						
BEAMS OR GIRDERS : SP1&3:17 LNS 6X12" TIM. JOISTS @ 1'6" CTS, SP2:18 LNS 6X12" TIM. JOISTS @ VAR. CTS						
FLOOR :		ENCROACHMENT :		DECK (OUT TO OUT) :		
4X12"TIM,2. 5"AWS				25.5 FT		
CLEAR ROADWAY :		BETWEEN RAILS :		SIDEWALK OR CURB :		
24.167 FT		24.583 FT		LT .208 FT RT .208 FT		
VERT.CL.OVER : 999.9 FT						
INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :		POSTED :	DATE	
HS-1	HS-1	Joist		SV 16 TTST 24	09/19/2008	
SYSTEM : Secondary S.R. Route				GREEN LINE ROUTE : N		
UNDER ROUTES AND CLEARANCES						

REMARKS :

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection

BRIDGE NO. 400271

COUNTY GUILFORD

ROUTE SR3343

OVER STINKING QUARTER CREEK

STRUCTURE TYPE TIMBER DECK ON TIMBER JOISTS

ROUTE ORIENTATION W - E

SPANS 1@17'10", 1@17'5", 1@17'7"

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			F	a. WATERWAY			F
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58				b. ALIGNMENT			G
a. CONCRETE				c. SCOUR			G
b. TIMBER			F	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			G	54. RESPONSE TO LIVE LOAD			F
c. ALUMINUM				55. ESTIMATED REMAINING LIFE			4
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				61. PROMPT-ACTION NOTICE ISSUED			YES
a. STEEL PL OR FINGER				62. PRESENTLY POSTED			YES
b. MISC PREFAB				63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			5
c. COMPRESSION SEAL				64. TOTAL SNOOPER INSP. TIME (HRS)			
d. STANDARD JOINTS				65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)			
e. OPEN JOINTS							
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				b. SUPERSTRUCTURE ITEM 59			6
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			5
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			5
16. DRAINAGE SYSTEM (ON STRUCTURE)			G	b. APPR. RDWY. ALIGNMENT			8
17. MOVABLE SPAN MACHINERY							
				72. FIELD SCOUR EVALUATION			G
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)							
35. TIM SUB STR.				USE OF INSP. ACCESSIBILITY EQUIPMENT			
a. ABUT. & INT. BENT CAPS & RISERS			G	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			NO
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: <i>Rick Feltner</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 Inspeccion & Analysis</u>	
Team Leader RICK ALLRED			
Assisted By MATT WALKER			
Item No.	Grade		
1	F	WEARING SURFACE IN SPAN 1 HAS TRANSVERSE CRACKS SCATTERED OPENING TO 1/4 INCH. SPAN 2 SIMILAR.	
		SPAN 3 WEARING SURFACE CRACKED ALONG EACH FLOORBOARD AND OPENING TO 1/4 INCH.	
2b	F	FLOORFLOORBOARDS DISCOLORED ON END AND SOFT IN SPOTS ON ENDS.	
4	F	WHEELGUARDSSPAN 2 RIGHT WHEEL GUARD WEATHER CRACKING, ALL OTHER WHEEL GUARDS SIMILAR.	
10A	NO	NO CURVED GIRDERS	
11	F	JOISTS JOIST 1 IN SPAN 2 AT PIER 1 DECAYING ALONG BOTTOM AND SIDE 1" DEEP WHERE NAIL WAS DRIVEN.	
		OTHER JOISTS DISCOLORED IN SPOTS	
35b	F	PILES..... PRIORITY MAINT. PILE 1 @ ABUTMENT 1 IS DECAYED UP TO 3" DEEP INSIDE A 1" SOLID SHELL AROUND 50% OF DIAMETER FROM GROUNDLINE TO CAP. PILE 2 @ PIER 1 HAS UP TO 1" DEEP DECAY ON THE EAST FACE FROM WATERLINE UP 1' HIGH. PILE 4 @ PIER 1 HAS UP TO 1" DEEP DECAY ON THE EAST FACE FROM WATERLINE UP 1' H ABUTMENT 1, PILE 2 IS DECAYED AT GROUNDLINE ON FACE UP TO 1" DEEP AND SOFT ON EXTERIOR. ABUTMENT 1, PILE 3 IS DECAYED 1/2" DEEP X 3" HIGH FROM FACE TO LEFT SIDE. AREA IS 5" FROM GROUNDLINE. PIERS 1 AND 2 , PILES 1 AND 4 DELAMINATED IN SPOTS. ALL PILES WEATHER CRACKING AND SOFT ON EXTERIOR.	
35c	F	TEMP. REPAIR, ABUTMENT 1, PILE 4 ABU 2 PILE 2 BULKHEADSABUTMENT 2 BULKHEAD HAS 1 BOARD DECAYED BETWEEN PILES 1 AND 2. ABUTMENT 1, RIGHT WINGWALL HAS 1 BOARD DECAYED	
45a	F	BOTH BULKHEADS AND ALL WINGWALLS DISCOLORD AND SOFT IN SPOTS. WATERWAYHIGH WATER MARKS ON JOIST.DURING PREVIOUS INSPECTIONS.	

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 RICK ALLRED			
Assisted By MATT WALKER			
Item No.	Grade		
50	F	APPROACHES ..WEST APPROACH CRACKED AND SETTLED 1/2 INCH. EAST APPROACH SETTLED 1/2 INCH.	
54	F	VIBRATION UNDER LIVE LOADS	
61	YES	PRIORITY MAINTENANCE FOR PILE 1 IN ABU 1	
62	YES	16/24	
71a	5	SEE WATERWAY	
72	G	SEE SCOUR ASSESSMENT	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 400271

County GUILFORD

Date: 02/20/2013

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	<i>2' TSC</i> <i>3/18/13</i>	PRIORITY MAINT. PILE 1 @ ABUTMENT 1 IS DECAYED UP TO 3" DEEP INSIDE A 1" SOLID SHELL AROUND 50% OF DIAMETER FROM GROUNDLINE TO CAP.	
2816	Asphalt Surface Repair or Replacement	SY	5	WEARING SURFACE IN SPAN 1 HAS TRANSVERSE CRACKS SCATTERED OPENING TO 1/4 INCH. SPAN 2 SIMILAR. SPAN 3 WEARING SURFACE CRACKED ALONG EACH FLOORBOARD AND OPENING TO 1/4 INCH.	
3304	Maintain/Replace Timber Superstructure Components	LF	2	JOISTS JOIST 1 IN SPAN 2 AT PIER 1 DECAYING ALONG BOTTOM AND SIDE 1" DEEP WHERE NAIL WAS DRIVEN.	
3344	Repair / Replace Timber Substructure Components	LF	20	PILE 2 @ PIER 1 HAS UP TO 1" DEEP DECAY ON THE EAST FACE FROM WATERLINE UP 1' HIGH. PILE 4 @ PIER 1 HAS UP TO 1" DEEP DECAY ON THE EAST FACE FROM WATERLINE UP 1' H ABUTMENT 1, PILE 2 IS DECAYED AT GROUNDLINE ON FACE UP TO 1" DEEP AND SOFT ON EXTERIOR. ABUTMENT 1, PILE 3 IS DECAYED 1/2" DEEP X 3" HIGH FROM FACE TO LEFT SIDE. AREA IS 5" FROM GROUNDLINE.	
3346	Repair / Maintain Timber Wings & Blkhds	SF	50	BULKHEADSABUTMENT 2 BULKHEAD HAS 1 BOARD DECAYED BETWEEN PILES 1 AND 2. ABUTMENT 1, RIGHT WINGWALL HAS 1 BOARD DECAYED	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 400271 County GUILFORD

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

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	2 LF
Location:		
Abutment Substructure	Bent/Span No. 1	PILE 1
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/22/2013	RICK ALLRED	MATTHEW WALKER
Details		
PRIORITY MAINT. PILE 1 @ ABUTMENT 1 IS DECAYED UP TO 3" DEEP INSIDE A 1" SOLID SHELL AROUND 50% OF DIAMETER FROM GROUNDLINE TO CAP.		



TEMP. REPAIR, PILE 2 @ ABUTMENT 2



ABUTMENT 2 BULKHEAD HAS 1 BOARD DECAYED BETWEEN PILES 1 AND 2.



PRIORITY MAINT. PILE 1 @ ABUTMENT 1 IS DECAYED UP TO 3" DEEP INSIDE A 1" SOLID SHELL AROUND 50% OF DIAMETER FROM GROUNDLINE TO CAP.



PRIORITY MAINT. PILE 1 @ ABUTMENT 1 IS DECAYED UP TO 3" DEEP INSIDE A 1" SOLID SHELL AROUND 50% OF DIAMETER FROM GROUNDLINE TO CAP.



PILE 2 @ PIER 1 HAS UP TO 1" DEEP DECAY ON THE EAST FACE FROM WATERLINE UP 1' HIGH.



PILE 2 @ ABUTMENT 1 IS DECAYED AT GROUNDLINE ON FACE UP TO 1" DEEP AND SOFT ON EXTERIOR.



TEMP. REPAIR, PILE 4 @ ABUTMENT 1



PILE 4 @ PIER 1 HAS UP TO 1" DEEP DECAY ON THE EAST FACE FROM WATERLINE UP 1' HIGH.



PILE 3 @ ABUTMENT 1 IS DECAYED 1/2" DEEP X 3" HIGH FROM FACE TO LEFT SIDE. AREA IS 5" FROM GROUNDLINE.



JOIST 1 IN SPAN 2 AT PIER 1 DECAYING ALONG BOTTOM AND SIDE 1" DEEP WHERE NAIL WAS DRIVEN.



WEST APPROACH CRACKED AND SETTLED 1/2 INCH. EAST SIMILAR

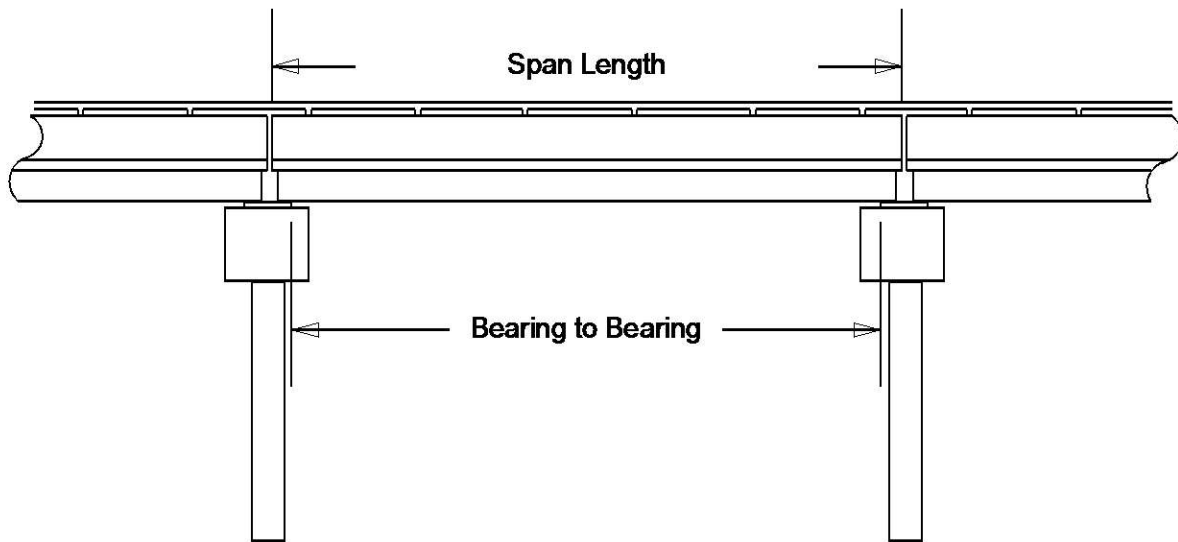


AWS IS CRACKED ALONG FLOORING

Structure Data Worksheet

Spans

County: GUILFORD Structure No: 400271 Date: 02/20/2013 Inspected By: RLA



Span No	Span Length	Bearing to Bearing	Comments
1	17.833	16.917	
2	17.417	17.0	MEAS. VERIFIED 2/20/13...MYW
3	17.583	16.667	NBIS 50.333

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 400271 County: GUILFORD Date: 02/20/2013 By: RLA

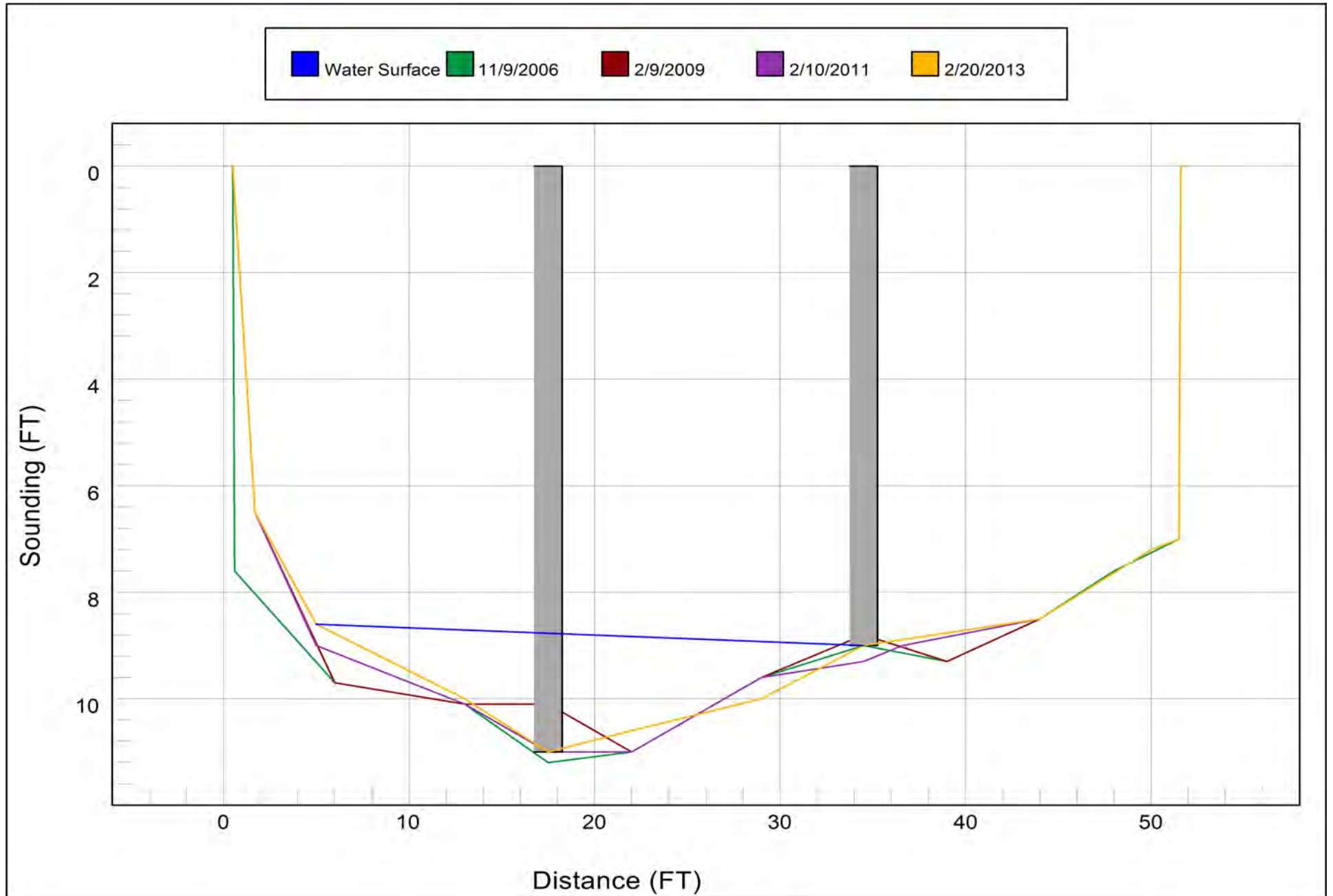
Record sounding from top of rail. Other location if needed: TOP OF RAIL

Distance from Highwater Mark to top of rail: 4.5 Location of Highwater Mark: BEAMS

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	0				
0.5	0		0.5	8.0	END BENT 1
1.7	6.5				
5	8.6	WSWE			
13	10				
17.5	11	PIER 1	17.5	9	PIER 1
22	10.6				
29	10				
34.5	9	PIER 2, WSWE	34.5	9.5	PIER 2
44	8.5				
50	7.2				
51.5	7		51.5	7.5	END BENT 2
51.6	0				
52	0				

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



Roadway	18ft Wide	2 Paved Lanes	Looking West
Left Shoulder	5ft Wide		5ft Unpaved
Right Shoulder	5ft Wide		5ft Unpaved
Left Guardrail			
Right Guardrail			

MEAS. VERIFIED 2/20/13...MYW

Title

APPROACH ROADWAY

Description

APPROACH ROADWAY LOOKING WEST

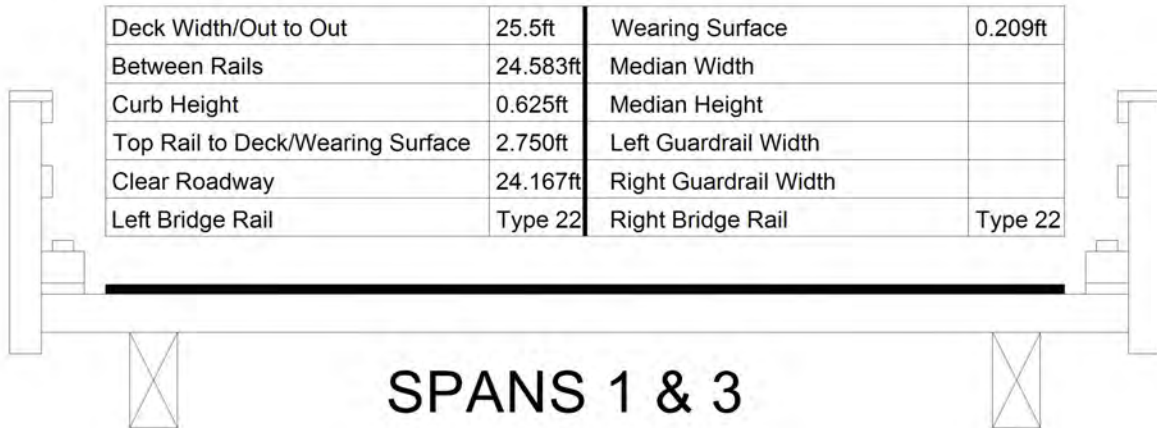
Bridge No: 400271

Drawn By: MYW

Date: 2/9/2009

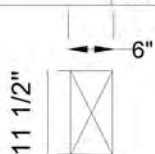
File Name: S0274002387

Bridge Inspection Field Sketch



Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	0.75
Top of Rail to Bottom of Beam	4.167	Right Overhang	0.75

Beam No	Beam Type	Spacing	Comments
1	Timber (Rectangular)	1.5 ft.	
2	Timber (Rectangular)	1.5 ft.	
3	Timber (Rectangular)	1.5 ft.	
4	Timber (Rectangular)	1.5 ft.	
5	Timber (Rectangular)	1.5 ft.	
6	Timber (Rectangular)	1.5 ft.	
7	Timber (Rectangular)	1.5 ft.	
8	Timber (Rectangular)	1.5 ft.	
9	Timber (Rectangular)	1.5 ft.	
10	Timber (Rectangular)	1.5 ft.	
11	Timber (Rectangular)	1.5 ft.	
12	Timber (Rectangular)	1.5 ft.	
13	Timber (Rectangular)	1.5 ft.	
14	Timber (Rectangular)	1.5 ft.	
15	Timber (Rectangular)	1.5 ft.	
16	Timber (Rectangular)	1.5 ft.	
17	Timber (Rectangular)		



SPANS 1 AND 3
ALL JOIST

MEAS. VERIFIED 2/20/13...MYW

Title

SPAN 1 AND 3 DATA

Description

TOP SIDE

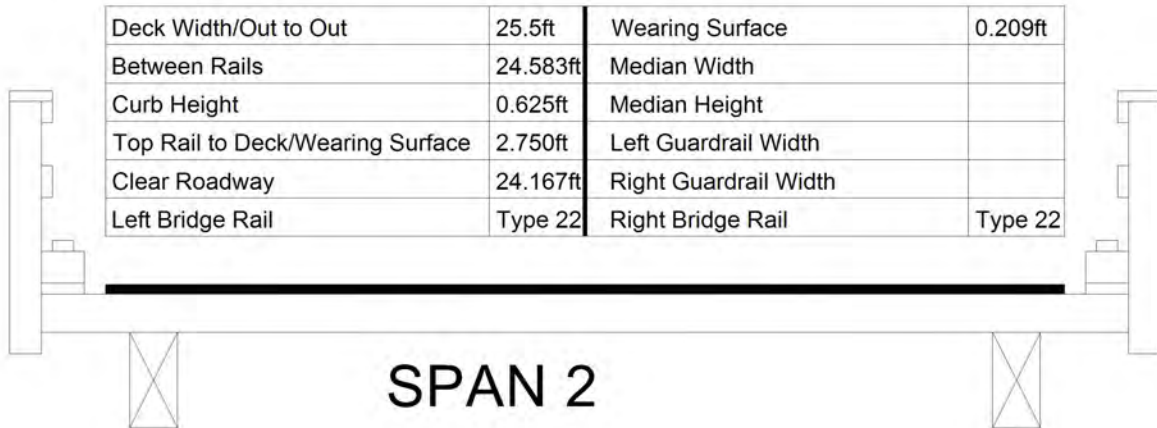
Bridge No: 400271

Drawn By: MYW

Date: 2/9/2009

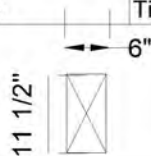
File Name: S0274002388

Bridge Inspection Field Sketch



Measurements for Span #	2		
Deck Thickness	0.312	Left Overhang	0.75
Top of Rail to Bottom of Beam	4.167	Right Overhang	0.75

Beam No	Beam Type	Spacing	Comments
1	Timber (Rectangular)	1.0 ft.	
2	Timber (Rectangular)	1.0 ft.	
3	Timber (Rectangular)	1.5 ft.	
4	Timber (Rectangular)	1.5 ft.	
5	Timber (Rectangular)	1.5 ft.	
6	Timber (Rectangular)	1.5 ft.	
7	Timber (Rectangular)	1.5 ft.	
8	Timber (Rectangular)	1.5 ft.	
9	Timber (Rectangular)	1.5 ft.	
10	Timber (Rectangular)	1.5 ft.	
11	Timber (Rectangular)	1.5 ft.	
12	Timber (Rectangular)	1.5 ft.	
13	Timber (Rectangular)	1.5 ft.	
14	Timber (Rectangular)	1.5 ft.	
15	Timber (Rectangular)	1.5 ft.	
16	Timber (Rectangular)	1.5 ft.	
17	Timber (Rectangular)	1.0 ft.	
18	Timber (Rectangular)		



ALL JOIST

MEAS. VERIFIED 2/20/13...MYW

Title

SPAN 2 DATA

Description

SPAN 2

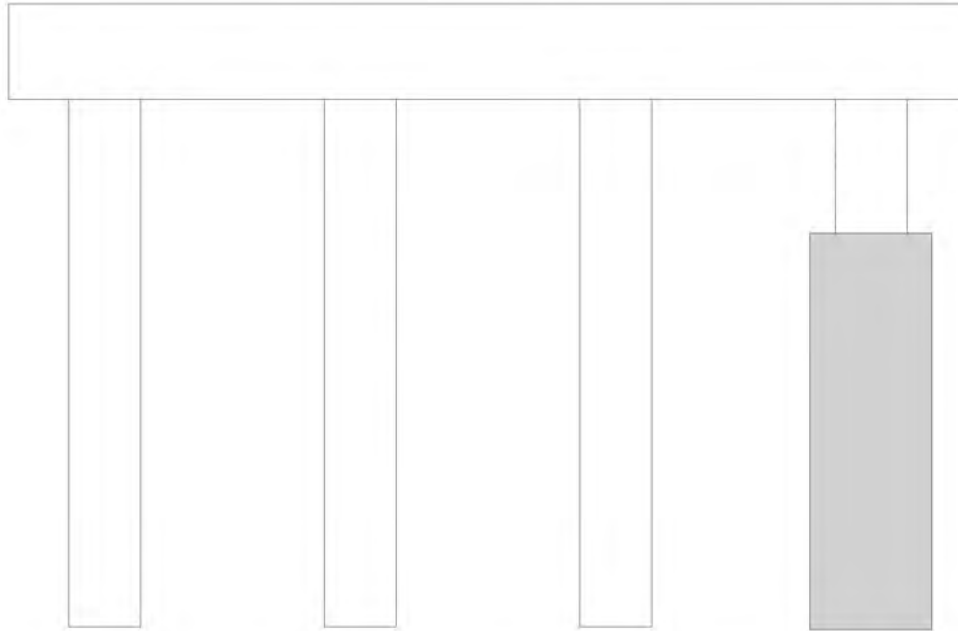
Bridge No: 400271

Drawn By: MYW

Date: 2/9/2009

File Name: S0274002389

Bridge Inspection Field Sketch



Abutment #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	26.25ft Long	0.958ft Wide	1.0ft High
Left Overhang	1.917ft	Lt Cap/Beam Overhang	1.167ft
Right Overhang	2.0ft	Rt Cap/Beam Overhang	1.167ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	7.583'		1' ROUND		Vertical
2	Wood or Timber	Pile Bent	7.500'		1' ROUND		Vertical
3	Wood or Timber	Pile Bent	7.250		1' ROUND		Vertical
4	Wood or Timber	Pile Bent			1' ROUND		Vertical

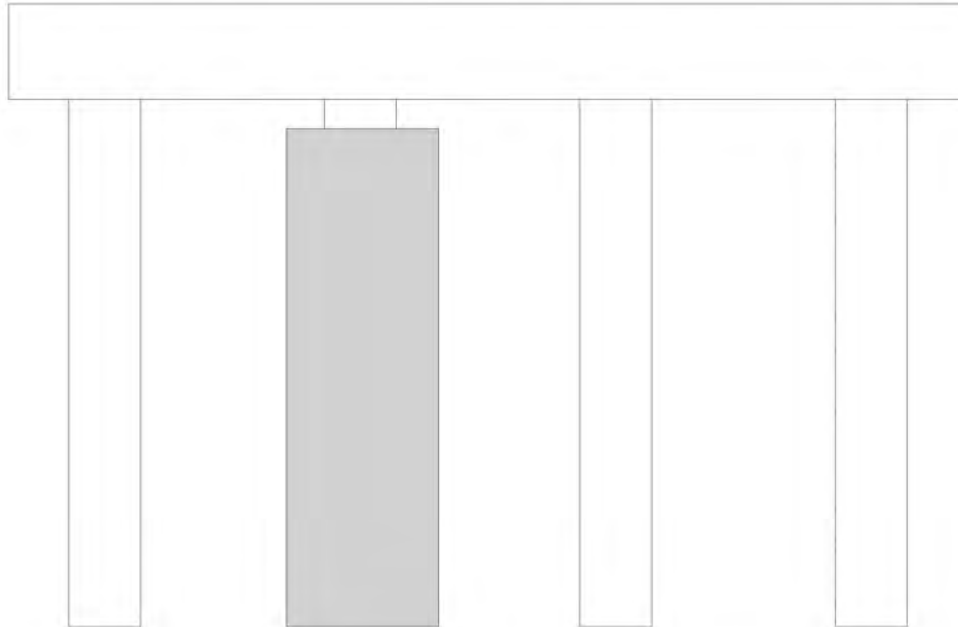
PILE 4 IS A TEMPORARY REPAIR WITH A CONCRETE COLLAR.

END BENT 1

MEAS. VERIFIED 2/20/13...MYW

Title		Description	
END BENT 1		END BENT 1	
Bridge No:	400271	Drawn By:	MYW
Date:	2/9/2009	File Name:	S0274002390

Bridge Inspection Field Sketch



Abutment #	2		
Cap - Beam Type (Wood or Steel)			
Cap Size	26.25ft Long	0.958ft Wide	1.0ft High
Left Overhang	1.833	Lt Cap/Beam Overhang	1.167ft
Right Overhang	1.833	Rt Cap/Beam Overhang	1.167ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	7.50'		1.0' ROUND		Vertical
2	Wood or Timber	Pile Bent	7.50'		1.0' ROUND		Vertical
3	Wood or Timber	Pile Bent	7.667'		1.0' ROUND		Vertical
4	Wood or Timber	Pile Bent			1.0' ROUND		Vertical

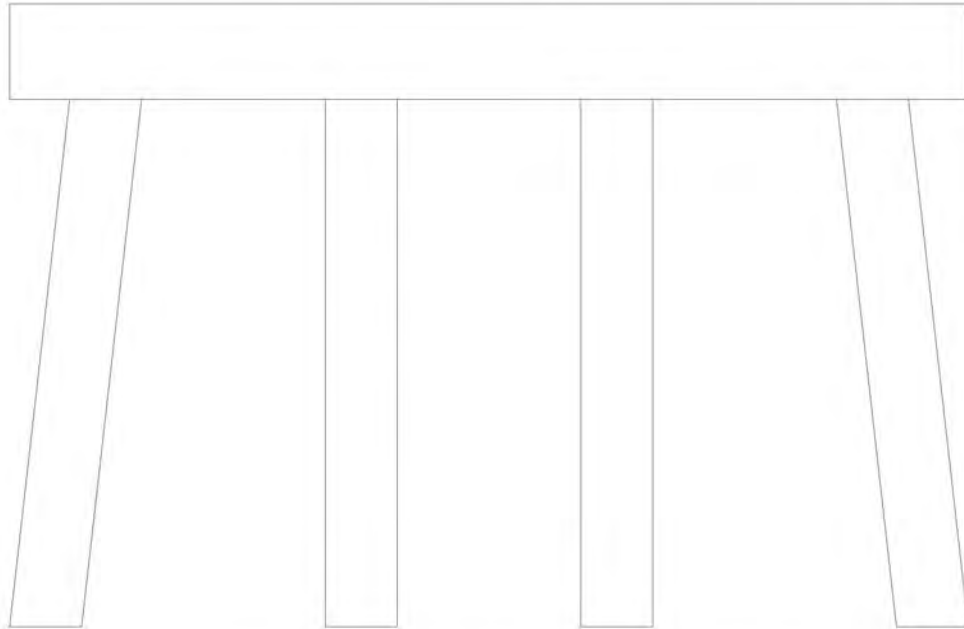
END BENT 2

PILE 2 HAS BEEN ENCASED WITH CONCRETE SINCE LAST INSPECTION.
ONLY 1" OF TOP OF PILE IS VISIBLE.

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Title END BENT 2		Description END BENT 2	
Bridge No: 400271	Drawn By: MYW	Date: 2/9/2009	File Name: S0274002391

Bridge Inspection Field Sketch



Bent #	1	Bents 2 similar	
Cap - Beam Type (Wood or Steel)			
Cap Size	26.167ft Long	0.958ft Wide	1.0ft High
Left Overhang	1.833ft	Lt Cap/Beam Overhang	1.167ft
Right Overhang	1.833ft	Rt Cap/Beam Overhang	1.167ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	7.500'		1' ROUND		Batter Pile
2	Wood or Timber	Pile Bent	7.333'		1' ROUND		Vertical
3	Wood or Timber	Pile Bent	7.667'		1' ROUND		Vertical
4	Wood or Timber	Pile Bent			1' ROUND		Batter Pile

BENTS 1 & 2

MEAS. VERIFIED 2/20/13...MYW

Title		Description	
BENT 1		BENT 1	
Bridge No:	400271	Drawn By: MYW	Date: 2/9/2009
		File Name:	S0274002392



ABUTMENT 2



PIER 1, PIER 2 SIMILAR



SUPERSTRUCTURE SPAN 2, ALL SIMILAR



LOOKING NORTH DOWNSTREAM



ABUTMENT 1



LOOKING SOUTH UPSTREAM



LOOKING EAST



POSTING



LOOKING NORTH



LOOKING SOUTH



LOOKING NORTH DOWNSTREAM FROM TOP



LOOKING SOUTH UPSTREAM FROM TOP



LOOKING WEST