

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

CITY OF GREENSBORO
TEMPORARY REPAIRS

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection - Contract

COUNTY GUILFORD BRIDGE NUMBER 400427 INSPECTION CYCLE 0 YRS

ROUTE SR2704 ACROSS BRANCH OF HAW RIVER M.P. 0

0.3 MILES EAST OF JUNCTION WITH SR2703

LOCATION **0.3 MI. E. JCT.SR2703**

SUPERSTRUCTURE **TIMBER DECK ON TIMBER JOISTS**

END & INT. BTS: TIMBER CAPS ON TIMBER PILES, TIMBER BULKHEADS

SUBSTRUCTURE **END & INT.BTS:TIMBER CAPS ON TIMBER PILES,TIMBER BULKHEADS**

1 @ 17.5, 1 @ 17FT, 1 @ 17.3FT

SPANS **1@17'9, 1@16'11, 1@17'8**

LONGITUDE 79° 37' 39.06"

LATITUDE 36° 14' 31.87"

PRESENT CONDITION FAIR

INVENTORY RATING

INSPECTION DATE 06/22/2012

OPERATING RATING

PRESENT POSTING **SV 15 TTST 23** **SV 15 TTST 23**

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT **FOUR (4) DELINEATORS**



WEST APPROACH LOOKING EAST

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: 07/24/2012

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	400427		SUFFICIENCY RATING =		51.01	
(8) STRUCTURE NUMBER(FEDERAL)		00000000810427		STATUS =	Not Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31027040					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2					
(3) COUNTY CODE 81	(4) PLACE CODE	0		(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED - ROSE CREEK				(104)HIGHWAY SYSTEM	Is not on NHS	0	
(7) FACILITY CARRIED SR2704				(26) FUNCTIONAL CLASS -	Local	09	
(9) LOCATION 0.3 MI. E. JCT. SR2703				(100)STRAHNET HIGHWAY -	Not a STRAHNET Route	0	
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	No Parallel Structure	N	
(16)LAT 36° 14' 31.87"	(17)LONG 79° 37' 39.06"			(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: Wood or Timber							
TYPE - Stringer Mutlibeam or Girder	CODE	702					
(44) STRUCTURE TYPE APPR :							
TYPE -	CODE	000					
(45) NUMBER OF SPANS IN MAIN UNIT		3		(58) DECK		7	
(46) NUMBER OF APPROACH SPANS				(59) SUPERSTRUCTURE		7	
(107)DECK STRUCTURE TYPE - 8	CODE			(60) SUBSTRUCTURE		5	
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(61) CHANNEL & CHANNEL PROTECTION		7	
(A) TYPE OF WEARING SURFACE -	CODE			(62) CULVERTS		N	
(B) TYPE OF MEMBRANE -	CODE						
(C) TYPE OF DECK PROTECTION -	CODE						
AGE AND SERVICE				LOAD RATING AND POSTING			
(27) YEAR BUILT		1960		(31) DESIGN LOAD	Unknown	0	
(106)YEAR RECONSTRUCTED				(63) OPERATING RATING METHOD -	Allowable Stress		
(42) TYPE OF SERVICE : ON - Highway				(64) OPERATING RATING -	HS-14	225	
UNDER - Waterway	CODE	15		(65) INVENTORY RATING METHOD -	Allowable Stress		
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE				(66) INVENTORY RATING -	HS-10	218	
(29) AVERAGE DAILY TRAFFIC		150		(70) BRIDGE POSTING -	Posting Required	0	
(30) YEAR OF ADT 2000	(109) TRUCK ADT PCT	6%		(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P	
(19) BYPASS OR DETOUR LENGTH		1 MI		DESCRIPTION -	Posted for Load		
GEOMETRIC DATA				APPRAISAL			
(48) LENGTH OF MAXIMUM SPAN		17 FT		(67) STRUCTURAL EVALUATION		5	
(49) STRUCTURE LENGTH		52 FT		(68) DECK GEOMETRY		4	
(50)CURB OR SIDEWALK: LEFT .4 FT RIGHT .4 FT				(69) UNDERCLEARANCES,VERTI & HORIZ		N	
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		21.3 FT		(71) WATERWAY ADEQUACY		7	
(52) DECK WIDTH OUT TO OUT		22.3 FT		(72) APPROACH ROADWAY ALIGNMENT		7	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		19 FT		(36) TRAFFIC SAFETY FEATURES		0000	
(33) BRIDGE MEDIAN - No Median	CODE	0		(113)SCOUR CRITICAL BRIDGES		U	
(34) SKEW 0°	(35) STRUCTURE FLARED	0					
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT		PROPOSED IMPROVEMENTS			
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		21.3 FT		(75) TYPE OF WORK -		CODE	
(53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9 FT		(76) LENGTH OF STRUCTURE IMPROVEMENT			
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad		0 FT		(94) BRIDGE IMPROVEMENT COST			
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad		000 FT		(95) ROADWAY IMPROVEMENT COST			
(56) MIN LAT UNDERCLEAR LT REF -		000 FT		(96) TOTAL PROJECT COST			
				(97) YEAR OF IMPROVEMENT COST ESTIMATE			
				(114)FUTURE ADT 300	(115) YEAR FUTURE ADT	2025	
NAVIGATION DATA				INSPECTIONS			
(38) NAVIGATION CONTROL - No Navigational Control	CODE	0		(90) INSPECTION DATE		06/22/2012	
(111)PIER PROTECTION -	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		FT		B) UNDERWATER INSP -	NO	B)	
(40) NAVIGATION HORIZONTAL CLEARANCE		0 FT		C) OTHER SPECIAL INSP	NO	C)	
				SCOUR			

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 07/24/2012

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
GUILFORD	7	2	400427	52	FEET
ROUTE CARRIED :		FEATURE INTERSECTED :			
SR2704		ROSE CREEK			
LOCATED :		BRIDGE NAME :		CITY :	
0.3 MI. E. JCT. SR2703					
FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :	
09	NFA	NFA	150 2000	LT 227	RT 227
BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :	
1960	BMU			Unknown	
REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :
			TAN	90	ON 2 UNDER
NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :
VC 0 FT	HC 0 FT		11 FT		1 FT
SUPERSTRUCTURE : TIMBER DECK ON TIMBER JOISTS					
SUBSTRUCTURE : END & INTERIOR BENTS:TIMBER CAPS ON TIMBER PILES, TIMBER BULKHEADS					
SPANS : 1@17'9", 1@16'11", 1@17'8"					
BEAMS OR GIRDERS : 15 LINES OF 6"X12" TIMBER JOISTS @ VARIOUS CENTERS					
FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :			
4X8" TIM,1" AWS		22.3 FT			
CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :			
21.3 FT	22 FT	LT	.4 FT	RT	.4 FT
VERT.CL.OVER : 999.9 FT					
INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-10	HS-14	Joist	SV 15	23	09/17/2008
SYSTEM : Secondary S.R. Route			GREEN LINE ROUTE : N		
UNDER ROUTES AND CLEARANCES					

REMARKS :

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection - Contract

BRIDGE NO. 400427

COUNTY GUILFORD

ROUTE SR2704

OVER BRANCH OF HAW RIVER

STRUCTURE TYPE TIMBER DECK ON TIMBER JOISTS

ROUTE ORIENTATION W - E

SPANS 1@17'9, 1@16'11, 1@17'8

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			P	45. CHANNEL & CHANNEL PROT.	a. WATERWAY	G
					b. ALIGNMENT	G
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58	a. CONCRETE				c. SCOUR	G
	b. TIMBER	3	G		d. SLOPE PROT., RIP-RAP, DIKES, ETC.	G
	c. STEEL PLANK			50. APPROACH ROADWAY CONDITION		
	d. OPEN GRID			51. APPROACH SLABS		
3. RAILING	a. CONCRETE			52. PAINT SYSTEM CODE		
	b. TIMBER		G	53. UTILITIES		
	c. ALUMINUM			54. RESPONSE TO LIVE LOAD		
	d. STEEL			55. ESTIMATED REMAINING LIFE		
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			G			
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)				60. REGULATORY SIGN NOTICE ISSUED		
6. DECK EXP JTS. OR DEVICES. NO. OF EACH	a. STEEL PL OR FINGER			61. PROMPT-ACTION NOTICE ISSUED		
	b. MISC PREFAB			62. PRESENTLY POSTED		
	c. COMPRESSION SEAL			63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)		
	d. STANDARD JOINTS			64. TOTAL SNOOPER INSP. TIME (HRS)		
	e. OPEN JOINTS			65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)		
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	7
10. LONGITUDINAL BEAMS OR GIRDERS				b. SUPERSTRUCTURE	ITEM 59	7
11. LONGITUDINAL JOIST OR STRINGERS			G	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						
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)			F	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		F	SNOOPER (CODE S, 4, OR N)	HRS	NO
	c. BULKHEADS, WING'S, & TIE BACKS		F	LADDER		NO
36. CONC SUB STR.	a. ABUT. & INT. BENT CAPS			BUCKET TRUCK		
	b. ABUT. & BENT COL'S BREASTWALLS			BOAT		
	c. ABUT. & INT. BENT PILES			OTHER		
	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:	M. L. L.	
41. DRIFT			F	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 MICHAEL W CRAIG			
Assisted By BWR			
Item No.	Grade		
1	P	(DECK - WEARING SURFACE) ASPHALT WEARING SURFACE OVER END BENT 1 AND 2 JOINTS, FULL WIDTH X UP TO 1/4IN TRANSVERSE CRACKS ASPHALT WEARING SURFACE, FULL WIDTH X UP TO 1/2IN TRANSVERSE CRACKS AT 8IN ON CENTER ALONG FULL LENGTH OF BRIDGE (PREVIOUSLY REPORTED) EASTBOUND LANE ASPHALT WEARING SURFACE, FULL LENGTH X 1/2IN LONGITUDINAL CRACK	
2b	G	(DECK - TIMBER FLOOR) UNDERSIDE OF DECK, DECK BOARDS ARE DAMP BUT IN GOOD CONDITION	
7	F	(DECK DEBRIS) VEGETATION GROWTH (1CF) AT ALL CORNERS OF BRIDGE (PREVIOUSLY REPORTED)	
10A	NO	NO CURVED GIRDERS	
11	G	(SUPERSTRUCTURE - LONGITUDINAL JOIST) SPAN 2 JOIST 8 AT BENT 1, 48IN X 11IN SPLIT SPAN 3 JOIST 7 MIDSPAN, CHECK (8IN X 2IN X 1IN)	
35b	F	(SUBSTRUCTURE - TIMBER POSTS, PILES, SILLS) BENT 1 PILE 1 CROSS BRACING, NOT BOLTED AND PILE 3 CROSS BRACING DECAYED (PREVIOUSLY REPORTED AS MISSING) BENT 1 PILE 2, CHECK (2FT X 2IN X 1IN) BENT 1 PILE 5, TEMPORARY REPAIR BENT 2 PILE 5 LOWER CROSS BRACING, NOT ATTACHED BENT 2 PILES 1, 2 AND 3, TEMPORARY REPAIRS, PILE 2 IS SOFT AT TOP OF REPAIR	
35c	F	(SUBSTRUCTURE - TIMBER BULKHEADS) NORTHWEST WINGWALL, VEGETATION GROWTH (4CF), OTHERS SIMILAR END BENT 1 BACKWALL BETWEEN PILES 2 AND 3, BOARDS BULGING OUT (PREVIOUSLY REPORTED) END BENT 2 BACKWALL BETWEEN PIERS 6 AND 7, BOARDS ARE DECAYED (4FT)	
41	F	(DRIFT) BENT 1, DEBRIS ACCUMULATION (3CF) ON CROSS BRACING	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 400427

County GUILFORD

Date: 06/22/2012

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	130	ASPHALT WEARING SURFACE IS CRACKING UP TO 1/2IN ALONG FLOORBOARDS	
2910	Manual Brush and Tree Control	LF	16	VEGETATION GROWTH AT CORNERS OF BRIDGE	
3344	Repair / Replace Timber Substructure Components	LF	30	CROSS BRACING AT BENTS 1 AND 2 IS UNATTACHED AND DECAYED AT BENT 1 AND BACKWALLS AT THE END BENTS ARE BULGING AND DECAYED IN SPOTS	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined



NORTHWEST WINGWALL, VEGETATION GROWTH (4CF)



NORTHWEST CORNER OF BRIDGE, VEGETATION GROWTH (1CF)



ASPHALT WEARING SURFACE OVER END BENT 1 JOINT, FULL WIDTH X 1/8IN TRANSVERSE CRACK



ASPHALT WEARING SURFACE, FULL WIDTH X UP TO 1/2IN TRANSVERSE CRACKS AT 8IN ON CENTER
ALONG FULL LENGTH OF BRIDGE



EASTBOUND LANE ASPHALT WEARING SURFACE, FULL LENGTH X 1/2IN LONGITUDINAL CRACK



ASPHALT WEARING SURFACE OVER END BENT 2 JOINT, FULL WIDTH X 1/4IN TRANSVERSE CRACK



END BENT 1 BACKWALL BETWEEN PILES 2 AND 3, BOARDS BULGING OUT



BENT 1 CROSS BRACING AT PILE 1, NOT BOLTED



BENT 1, DEBRIS ACCUMULATION (3CF) ON CROSS BRACING



BENT 1 PILE 2, CHECK (2FT X 2INX 1IN)



BENT 1 PILE 5, TEMPORARY REPAIR



BENT 2 PILES 1, 2 AND 3, TEMPORARY REPAIRS



BENT 2 PILE 5 LOWER CROSS BRACING, NOT ATTACHED



BENT 2 PILE 2, SOFT AT TOP OF REPAIR



SPAN 3 JOIST 7 MIDSPAN, CHECK (8IN X 2IN X 1IN)



END BENT 2 BACKWALL BETWEEN PIERS 6 AND 7, BOARDS ARE DECAYED (4FT)



UNDERSIDE OF DECK, DECK BOARDS ARE DAMP BUT IN GOOD CONDITION



SPAN 2 JOIST 8 AT BENT 1, 48IN X 11IN SPLIT



BENT 1 PILE 3 CROSS BRACING, DECAYED

Structure Data Worksheet

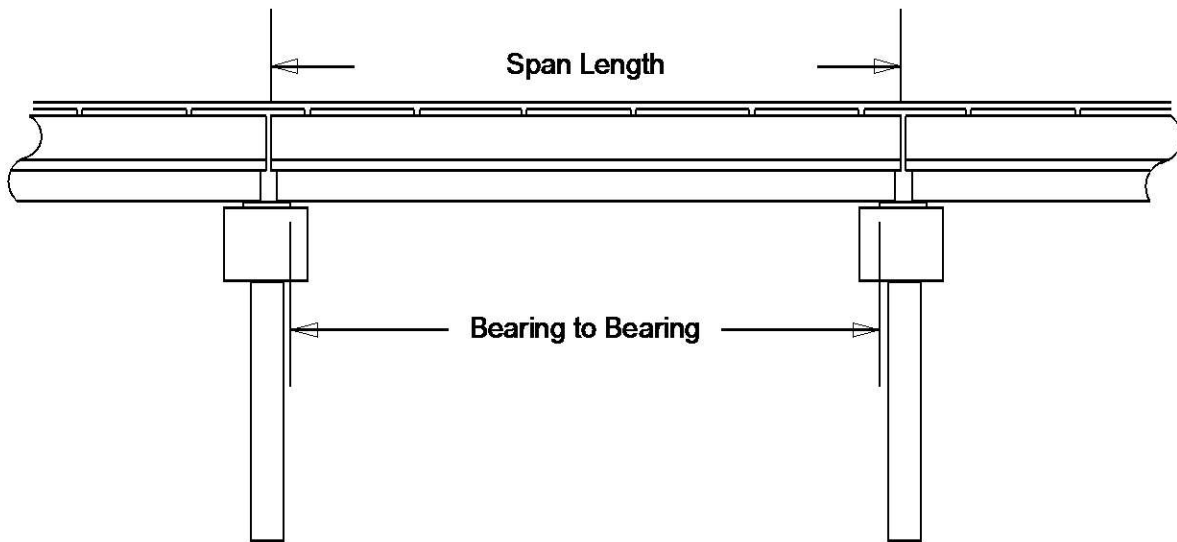
Spans

County: GUILFORD

Structure No: 400427

Date: 06/22/2012

Inspected By: MWC



Span No	Span Length	Bearing to Bearing	Comments
1	17.5FT	16.75FT	
2	17.0FT	16.5FT	
3	17.3FT	16.55FT	
			NBIS LENGTH: 49.8FT

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 400427 County: GUILFORD Date: 06/22/2012 By: MWC

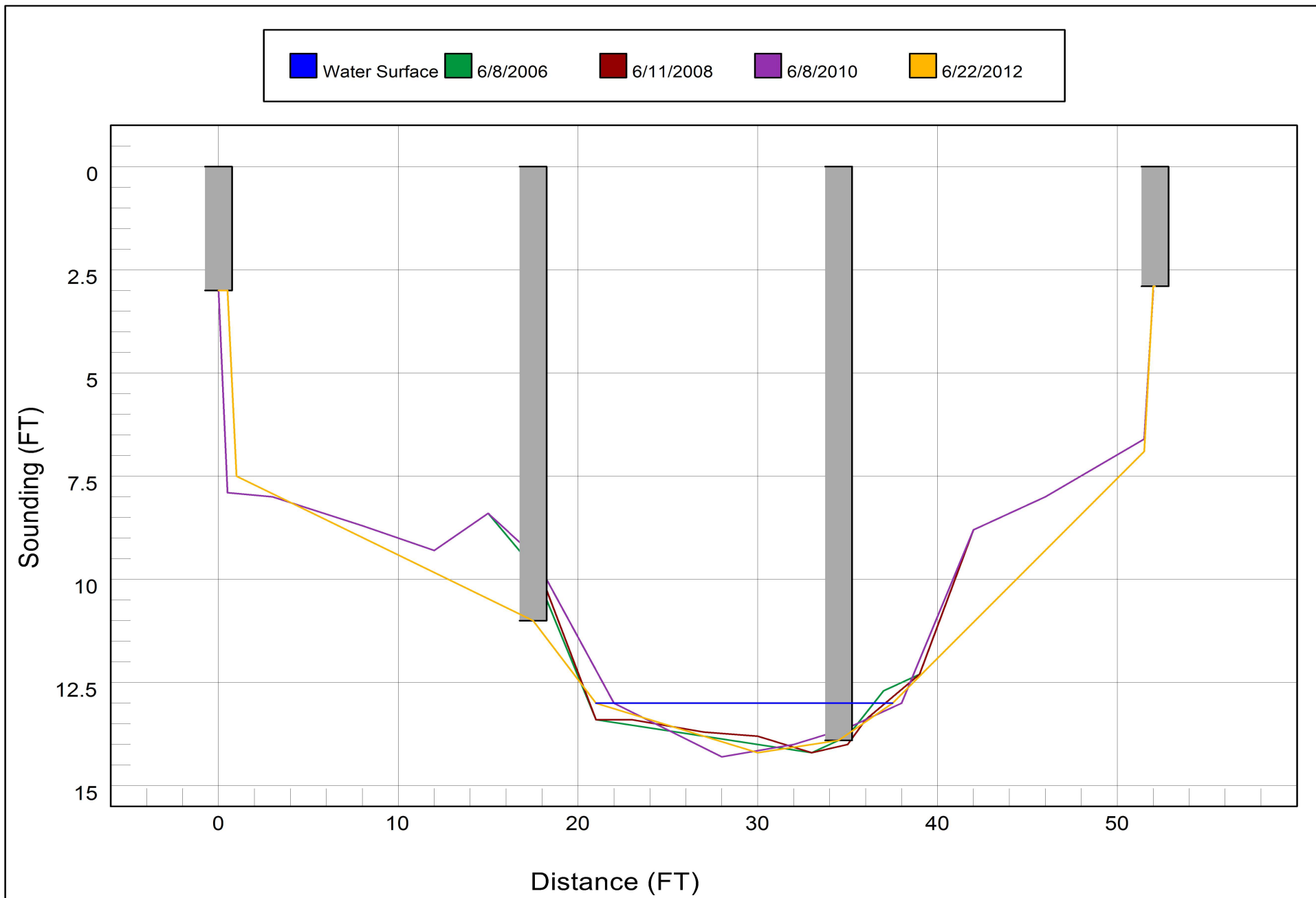
Record sounding from top of rail. Other location if needed: _____

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	3	FILL FACE END BENT 1			
0.5	3	TOP OF WINGWALL	0.5	7.2	END BENT 1
1	7.5	BOTTOM OF WINGWALL			
17.5	11	BENT 1	17.5	12.2	BENT 1
21	13	Water Surface/Water Edge (WSWE)			
30	14.2	CENTERLINE OF STREAMBED			
34.5	13.9	BENT 2	34.5	13.6	BENT 2
37.5	13	Water Surface/Water Edge (WSWE)			
51.5	6.9	BOTTOM OF WINGWALL	51.5	7.2	END BENT 2
52	2.9	TOP OF WINGWALL			
52.1	2.9	FILL FACE END BENT 2			

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



Roadway	18.5ft Wide	2 Paved Lanes	Looking East
Left Shoulder	2ft Wide		2ft Unpaved
Right Shoulder	2ft Wide		2ft Unpaved
Left Guardrail			
Right Guardrail			

Title

app rdway

Description

app rdway

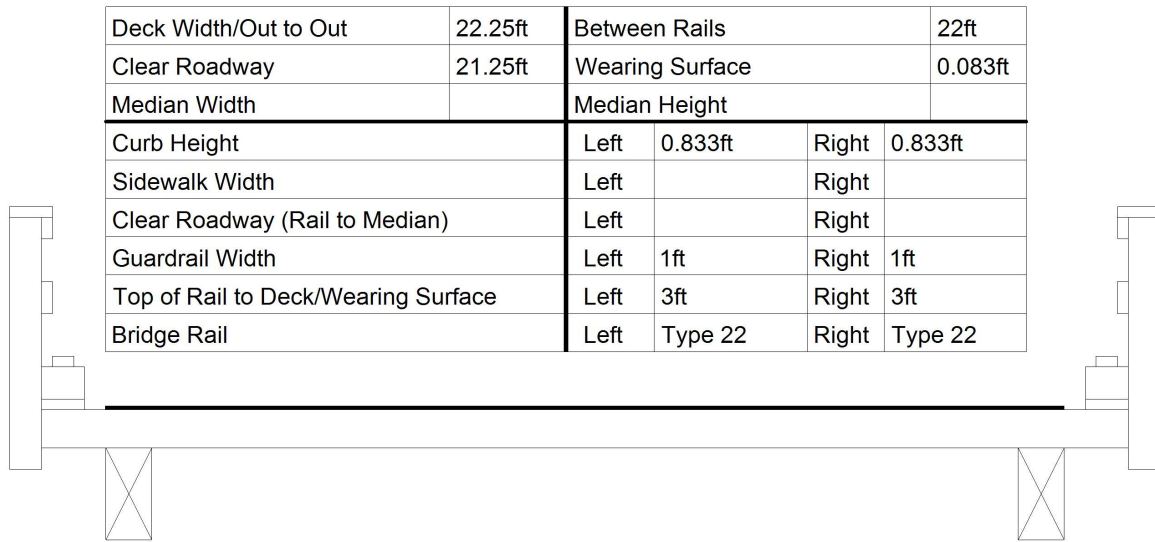
Bridge No: 400427

Drawn By: BWR

Date: 07/11/2012

File Name: S0058001364

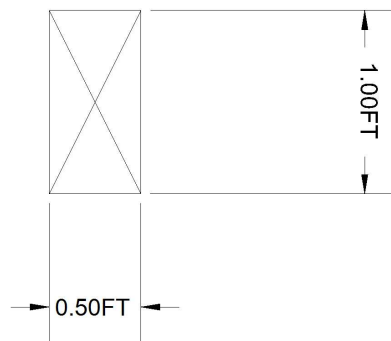
Bridge Inspection Field Sketch



Measurements for Span #	1	spans 2 & 3 similiar	
Deck Thickness	0.312	Left Overhang	0.66
Top of Rail to Bottom of Beam	4.375	Right Overhang	0.66

see joist sheet for centers

all joists



Title

data

Description

data

Bridge No: 400427

Drawn By: BWR

Date: 07/11/2012

File Name: S0058001365

Bridge Inspection Field Sketch

joist ctrs span 1

j-1 to j-3- 1.458FT
j-3 to j-4- 1.500FT
j-4 to j-5- 1.500FT
j-5 thru j-7- 1.458FT
j-7 to j-8- 1.500FT
j-8 to j-9- 1.500FT
j-9 to j-10- 1.542FT
j-10 to j-11- 1.417FT
j-11 thru j-15- 1.458FT

joist ctrs span 2

j-1 to j-2- 2.000FT
j-2 thru j-4- 1.459FT
j-4 to j-5- 1.500FT
j-5 to j-6- 1.459FT
j-6 to j-7- 1.500FT
j-7 thru j-14- 1.459FT
j-14 to j-15- 0.959FT

joist ctrs span 3

j-1 to j-2- 1.458FT
j-2 to j-3- 1.417FT
j-3 to j-4- 1.500FT
j-5 thru j-6- 1.458FT
j-6 thru j-8- 1.458FT
j-8 to j-9- 1.375FT
j-9 thru j-12- 1.458FT
j-12 to j-13- 1.500
j-13 to j-14- 1.417FT
j-14 to j-15- 1.500FT

Title

joist centers

Description

joist centers

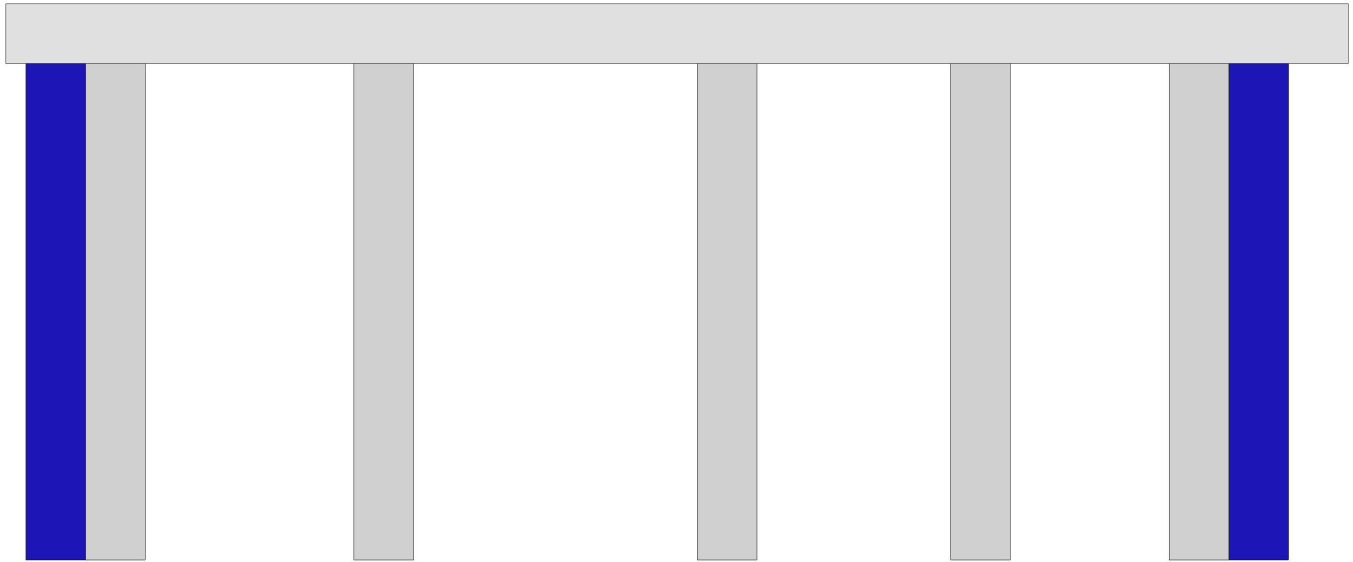
Bridge No: 400427

Drawn By: BWR

Date: 07/11/2012

File Name: S0058001366

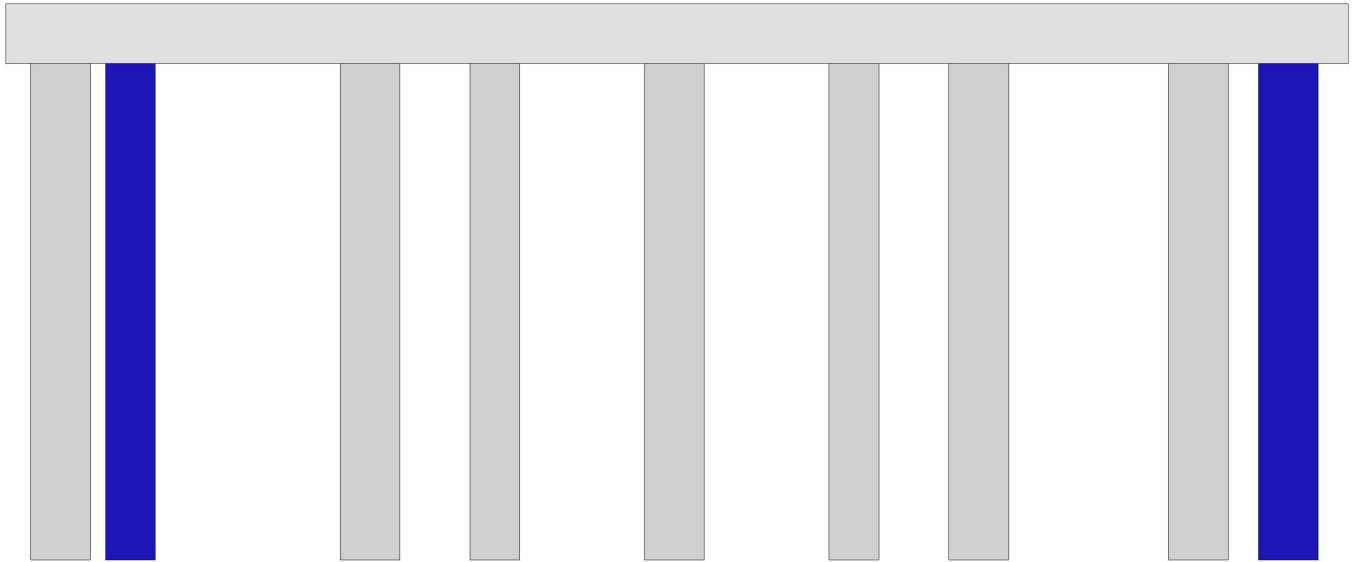
Bridge Inspection Field Sketch



Cap Information				Material Timber						
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
22.493 ft.	1.000 ft.	1.000 ft.	.833 ft.	1.500 ft.	.833 ft.	.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	1.000 ft.	1.000 ft.			Vertical	Yes	Yes	No	No
2	Timber	4.5 ft.	1.000 ft.			Vertical	Yes	No	No	No
3	Timber	5.75 ft.	1.000 ft.			Vertical	Yes	No	No	No
4	Timber	4.25 ft.	1.000 ft.			Vertical	Yes	No	No	No
5	Timber	3.66 ft.	1.000 ft.			Vertical	Yes	No	No	No
6	Timber	1 ft.	1.000 ft.			Vertical	Yes	No	No	No
7	Timber		1.000 ft.			Vertical	Yes	Yes	No	No
Bent/Abutment #: 1			Similar Bents:							

Title		Description	
a-1 piles		a-1 piles	
Bridge No: 400427	Drawn By: BWR	Date: 07/11/2012	File Name: S0058001367

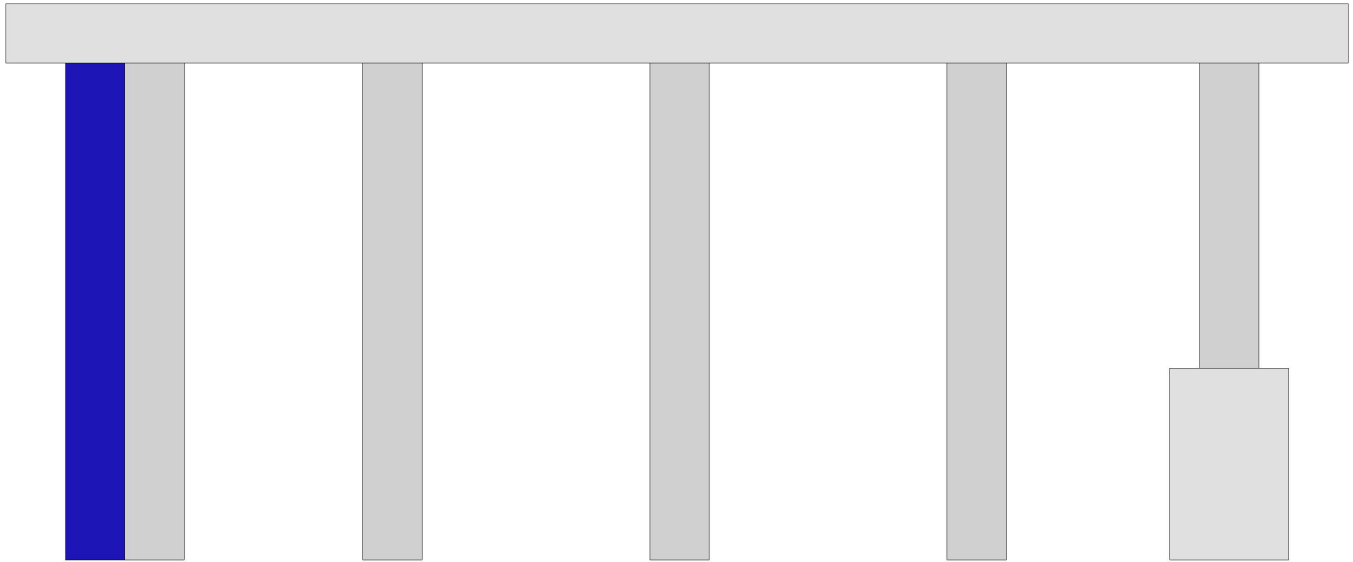
Bridge Inspection Field Sketch



Cap Information			Material Timber							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
22.412 ft.	1.000 ft.	1.000 ft.	.912 ft.	1.000 ft.	.833 ft.	.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	1.167 ft.	1.000 ft.			Vertical	Yes	No	No	No
2	Timber	4.000 ft.	0.833 ft.			Vertical	Yes	Yes	No	No
3	Timber	2.083 ft.	1.000 ft.			Vertical	Yes	No	No	No
4	Timber	3.000 ft.	.833 ft.			Vertical	Yes	No	No	No
5	Timber	3.000 ft.	1.000 ft.			Vertical	Yes	No	No	No
6	Timber	2.083 ft.	.833 ft.			Vertical	Yes	No	No	No
7	Timber	3.667 ft.	1.000 ft.			Vertical	Yes	No	No	No
8	Timber	1.500 ft.	1.000 ft.			Vertical	Yes	No	No	No
9	Timber		1.000 ft.			Vertical	Yes	Yes	No	No
Bent/Abutment #: 2			Similar Bents:							

Title		Description	
a-2 piles		a-2 piles	
Bridge No: 400427	Drawn By: BWR	Date: 07/11/2012	File Name: S0058001368

Bridge Inspection Field Sketch



Cap Information			Material Timber							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
22.583 ft.	1.000 ft.	1.000 ft.	1.5 ft.	2.000 ft.	.833 ft.	.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	1.000 ft.	1.000 ft.			Vertical	Yes	Yes	No	No
2	Timber	4.000 ft.	1.000 ft.			Vertical	Yes	No	No	No
3	Timber	4.833 ft.	1.000 ft.			Vertical	Yes	No	No	No
4	Timber	5.000 ft.	1.000 ft.			Vertical	Yes	No	No	No
5	Timber	4.250 ft.	1.000 ft.			Vertical	Yes	No	No	No
6	Timber		1.000 ft.			Vertical	Yes	No	No	Yes
Bent/Abutment #: 1			Similar Bents:							

Title			Description		
p-1 piles			p-1 piles		
Bridge No: 400427	Drawn By: BWR	Date: 07/11/2012	File Name: S0058001369		

Bridge Inspection Field Sketch

Cap Information			Material Timber							
Length 23.157 ft.	Width 1.000 ft.	Height 1.000 ft.	Left Overhang 1.917 ft.	Right Overhang 1.750 ft.	Left Beam to End of Cap. .833 ft.	Right Beam to End of Cap. .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	4.25 ft.	1.000 ft.			Vertical	Yes	No	No	Yes
2	Timber	4.66 ft.	1.000 ft.			Vertical	Yes	No	No	Yes
3	Timber	4.83 ft.	1.000 ft.			Vertical	Yes	No	No	Yes
4	Timber	4.75 ft.	1.000 ft.			Vertical	Yes	No	No	No
5	Timber		1.000 ft.			Vertical	Yes	No	No	No
Bent/Abutment #: 2			Similar Bents:							

Title

p-2 piles

Description

p-2 piles

Bridge No: 400427

Drawn By: BWR

Date: 07/11/2012

File Name: S0058001370



WEST APPROACH LOOKING EAST



WEST APPROACH POSTING SIGN, GENERAL VIEW, EAST APPROACH SIMILAR



LOOKING UPSTREAM



LOOKING DOWNSTREAM



EAST APPROACH LOOKING WEST



ASPHALT WEARING SURFACE, GENERAL VIEW



NORTH BARRIER RAIL, GENERAL VIEW, SOUTH BARRIER RAIL SIMILAR



END BENT 1, GENERAL VIEW



BENT 1, GENERAL VIEW



BENT 2, GENERAL VIEW



END BENT 2, GENERAL VIEW



UNDERSIDE OF DECK, GENERAL VIEW



SOUTH PROFILE LOOKING NORTH



NORTH PROFILE LOOKING SOUTH