



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 BRIDGE MANAGEMENT UNIT

ATTENTION

TEMPORARY REPAIRS

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY GUILFORD BRIDGE NUMBER 400317 INSPECTION CYCLE 2 YRS
 ROUTE US220 ACROSS HAW RIVER M.P. 0

0.2 MI. S. JCT. SR2104

LOCATION 1.5 MI. N. JCT. NC150

SUPERSTRUCTURE REINFORCED CONCRETE DECK ON I-BEAMS

SUBSTRUCTURE END&INT.BENTS:RC CAP ON STEEL PILES,INT.BENTS.FULL CONC.ENC.

SPANS 1@32'9 ,1@32'6 ,1@32'9

LONGITUDE 79° 54' 49.2"

LATITUDE 36° 13' 40.6"

PRESENT CONDITION POOR

INVENTORY RATING _____

INSPECTION DATE 06/01/2010

OPERATING RATING _____

PRESENT POSTING SV 38 TTST 43

PROPOSED POSTING _____

COMPUTER UPDATE _____

ANALYSIS DATE _____

POSTING LETTER DATE _____

SUFFICIENCY RATING _____

OTHER SIGNS PRESENT NONE



LOOKING SOUTH

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	_____

NATIONAL BRIDGE INVENTORY----- STRUCTURE INVENTORY AND APPRAISAL Run Date: 07/13/2010

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE 400317
 (8) STRUCTURE NUMBER(FEDERAL) 00000000810317
 INVENTORY ROUTE (ON/UNDER) - ON 121002200
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 7
 (3) COUNTY CODE 81 (4) PLACE CODE 00000
 (6) FEATURE INTERSECTED - HAW RIVER
 (7) FACILITY CARRIED US220
 (9) LOCATION 0.2 MI. S. JCT. SR2104
 (11)MILEPOINT 0
 (16)LAT 36° 13' 40.6" (17)LONG 79° 54' 49.2"
 (98)BORDER BRIDGE STATE CODE PCT SHARE
 (99)BORDER BRIDGE STRUCTURE NO

SUFFICIENCY RATING = 32.7
 STATUS = Structurally Deficient

CLASSIFICATION **CODE**

(112)NBIS BRIDGE SYSTEM - YES
 (104)HIGHWAY SYSTEM NHS Route 1
 (26) FUNCTIONAL CLASS - Arterial - Other 02
 (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 - Not Temporary
 (110)DESIGNATED NATIONAL NETWORK - Is Part of 1
 (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

(43) STRUCTURE TYPE MAIN: Steel
 TYPE - Stringer Mutlibleam or Girder CODE 302
 (44) STRUCTURE TYPE APPR :
 TYPE - CODE
 (45) NUMBER OF SPANS IN MAIN UNIT 3
 (46) NUMBER OF APPROACH SPANS
 (107)DECK STRUCTURE TYPE - Concrete cast-in-place CODE 1
 (108)WEARING SURFACE / PROTECTIVE SYSTEM :
 (A) TYPE OF WEARING SURFACE - Bituminous CODE 6
 (B) TYPE OF MEMBRANE - None CODE 0
 (C) TYPE OF DECK PROTECTION - None CODE 0

CONDITION **CODE**

(58) DECK 6
 (59) SUPERSTRUCTURE 4
 (60) SUBSTRUCTURE 6
 (61) CHANNEL & CHANNEL PROTECTION 5
 (62) CULVERTS N

LOAD RATING AND POSTING **CODE**

(31) DESIGN LOAD HS 15 3
 (64) OPERATING RATING - HS-26 147
 (66) INVENTORY RATING - HS-16 128
 (70) BRIDGE POSTING - Posting Required 4
 (41) STRUCTURE OPEN, POSTED ,OR CLOSED P
 DESCRIPTION - Posted for Load

AGE AND SERVICE

(27) YEAR BUILT 1951
 (106)YEAR RECONSTRUCTED
 (42) TYPE OF SERVICE : ON - Highway
 UNDER - Waterway CODE 15
 (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE
 (29) AVERAGE DAILY TRAFFIC 14000
 (30) YEAR OF ADT 2003 (109) TRUCK ADT PCT 14 %
 (19) BYPASS OR DETOUR LENGTH 10 MI

APPRAISAL **CODE**

(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 8
 SCOUR PLAN OF ACTION

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 33 FT
 (49) STRUCTURE LENGTH 98 FT
 (50)CURB OR SIDEWALK: LEFT 1.7 FT RIGHT 1.7 FT
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 28.0 FT
 (52) DECK WIDTH OUT TO OUT 31.3 FT
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 24.0 FT
 (33) BRIDGE MEDIAN - No Median CODE 0
 (34) SKEW 0° (35) STRUCTURE FLARED NO
 (10) INVENTORY ROUTE MIN VERT CLEAR 99 FT 99 IN
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 28.0 FT
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 99 FT 99 IN
 (54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad
 (55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad 99.9 FT
 (56) MIN LAT UNDERCLEAR LT REF - 0.0 FT

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK - CODE 311
 (76) LENGTH OF STRUCTURE IMPROVEMENT 127 FT
 (94) BRIDGE IMPROVEMENT COST \$413,000
 (95) ROADWAY IMPROVEMENT COST \$103,000
 (96) TOTAL PROJECT COST \$620,000
 (97) YEAR OF IMPROVEMENT COST ESTIMATE 2007
 (114)FUTURE ADT 28000 (115) YEAR FUTURE ADT 2025

NAVIGATION DATA

(38) NAVIGATION CONTROL - No Navigational Control CODE 0
 (111)PIER PROTECTION - Not Applicable CODE
 (39) NAVIGATION VERTICAL CLEARANCE 0
 (116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR
 (40) NAVIGATION HORIZONTAL CLEARANCE 0

INSPECTIONS

(90) INSPECTION DATE 06/01/2010
 (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 INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection
 BRIDGE NO. 400317 COUNTY GUILFORD ROUTE US220 OVER HAW RIVER
 STRUCTURE TYPE REINFORCED CONCRETE DECK ON I-BEAMS
 ROUTE ORIENTATION S - N SPANS 1@32'9 ,1@32'6 ,1@32'9

EVALUATION CODE: 0-2 CRITICAL, 3 & 4 POOR, 5 & 6 FAIR, 7-9 GOOD

INSPECTION ITEM				ITEM 61			
DECK ITEMS			GRADES				
1. WEARING SURFACE			7	45. CHANNEL & CHANNEL PROT.	a. WATERWAY		7
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58			6		b. ALIGNMENT		7
a. CONCRETE	3		c. SCOUR		5		
b. TIMBER			d. SLOPE PROT., RIP-RAP, DIKES, ETC.				
3. RAILING			6	50. APPROACH ROADWAY CONDITION			6
a. CONCRETE			51. APPROACH SLABS				
b. TIMBER			52. PAINT SYSTEM			A	6
c. ALUMINUM			53. UTILITIES				
d. STEEL			54. RESPONSE TO LIVE LOAD				7
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			5	55. ESTIMATED REMAINING LIFE			4
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)			6	
c. COMPRESSION SEAL			64. TOTAL SNOOPER INSP. TIME (HRS)				
d. STANDARD JOINTS	2	4	65. TOTAL TRAFFIC CONTROL TIME (MAN HRS)				
e. OPEN JOINTS							
7. DECK DEBRIS (INCLUDES EXCESS SAND/GRAVEL)			7	70. SI&A GENERAL CONDITION RATINGS			
SUPER STR. (FM. 1 (90)B TRUSS) ITEM 59				a. DECK		ITEM 58	6
10. LONGITUDINAL BEAMS OR GIRDERS			4	b. SUPERSTRUCTURE		ITEM 59	4
11. LONGITUDINAL JOIST OR STRINGERS				c. SUBSTRUCTURE		ITEM 60	6
12. INT. DIAP'S, X-FRAMES, BRACING & CONN'S			7	d. CHANNEL & CHANNEL PROT.		ITEM 61	5
13. END DIAP'S, CURTAIN WALLS, & CONN'S			5	71. SI&A FIELD APPRAISAL RATINGS			
14. FLOOR BEAMS AND CONNECTIONS				a. WATERWAY ADAQUACY			7
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)			5	b. APPR. RDWY. ALIGNMENT			7
16. DRAINAGE SYSTEM (ON STRUCTURE)			7				
17. MOVABLE SPAN MACHINERY				72. FIELD SCOUR EVALUATION			U
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)				USE OF INSP. ACCESSIBILITY EQUIPMENT			
35. TIM SUB STR.				SNOOPER (CODE S, 4, OR N)		HRS	NO
a. ABUT. & INT. BENT CAPS & RISERS			LADDER			NO	
b. PILES, POST, SILLS, & BRACING			BUCKET TRUCK			NO	
c. BULKHEADS, WING'S, & TIE BACKS			BOAT			NO	
36. CONC SUB STR.				OTHER			NO
a. ABUT. & INT. BENT CAPS	6						
b. ABUT. & BENT COL'S BREASTWALLS	5						
c. ABUT. & INT. BENT PILES							
d. BACKWALLS, WING'S, RETAIN. WALLS	7						
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)			4				
40. FENDER SYSTEMS				80. INSPECTED BY:		<i>Pink Alford</i>	
41. DRIFT			7	81. REVIEWED BY:			

Bridge I&A Form 1(82)H		FIELD INSPECTION REPORT <u>Bridge Inspection & Analysis</u>	
State of North Carolina Dept. of Transportation Division of Highways			
Team Leader RICK ALLRED			
Assisted By MATTHEW WALKER			
Item No.	Grade		
2a	6	DECK ...6... UNDERSIDE HAS SCATTERED TV H/L CRACKS	
3a	6	RAIL ...6... RAILS HAVE AREAS OF REPAIR	
4	5	CURBS ...5... BOTH HAVE UP TO 1/4 INCH PITTING .	
6d	4	EXPANSION JOINTS ...4... MATERIAL HAS FALLEN OUT , EXPANSION JOINTS HAVE BEEN PAVED OVER .	
10	4	<p>LONGITUDINAL BEAMS...4...</p> <p>TEMP. REPAIRS, BEAM 4 IN SPANS 2,3 IS PLATED ALONG THE WEB AND BOTTOM AT PIER 2</p> <p>TEMP. REPAIRS, BEAM 3 IN SPANS 2,3 IS PLATED ALONG THE WEB AT PIER 2</p> <p>TEMP. REPAIR, BEAM 2, SPAN 3 @ PIER 2 HAS BEEN PLATED ALONG THE WEB</p> <p>TEMP. REPAIRS, BEAM 1 IN SPANS 2,3 IS PLATED ALONG THE WEB AND BOTTOM AT PIER 2</p> <p>TEMP. REPAIR, BEAM 2, SPAN 2 HAS BEEN PLATED ALONG THE WEB AT PIER 2</p> <p>TEMP. REPAIR, BEAM 1, SPAN 1 HAS BEEN PLATED ALONG THE WEB AT PIER 1</p> <p>TEMP. REPAIRS, BEAM 2, SPANS 1,2 HAS BEEN PLATED ALONG THE WEB AT PIER 1</p> <p>BEAM 1, SPAN 2 HAS AREAS OF PAINT PEELING WHERE SCALED AREA WAS PAINTED OVER</p>	
13	5	<p>...5... ALL BEAMS HAVE AREAS OF SURFACE RUST .</p> <p>END DIAPRAGMS V...5... END DIAPRAGMS HAVE AREAS OF SPALLING OR HAVE SECTIONS REMOVED AT PIERS TO REPAIR BEAMS .</p>	
15	5	<p>BEARINGS ...5... BEARINGS AT PIERS HAVE AREAS OF SECTION LOSS PAINTED OVER .</p> <p>BEARINGS AT ABUTMENTS HAVE SURFACE RUST .</p>	
52	6	<p>PAINT SYSTEM ...5... AREAS OF BEAMS OVER PIERS THAT HAVE BEEN PAINTED ARE PEELING OFF, AREAS OF SURFACE RUST ON BEAMS AND BEARINGS .</p>	

Bridge I&A Form 1(82)H		FIELD INSPECTION REPORT <u>Bridge Inspeccion & Analysis</u>	
State of North Carolina Dept. of Transportation Division of Highways			
Team Leader RICK ALLRED			
Assisted By MATTHEW WALKER			
Item No.	Grade		
36a	6	CAPS ...6... PIER 2 CAP HAS HORIZONTAL H/L CRACKS NEAR TOP EDGE UNDER BAY 2 ON SOUTH FACE PIER 1 CAP HAS A HORIZONTAL H/L CRACK BETWEEN PILES 2 THRU 4 ,AND NORTH FACE OVER PILE 1. 1 INCH DEEP POP-OFF SPALL UNDER BEAM 2 .	
36b	5	ABUTMENT CAPS GOOD . COLUMNS ...5... PIER PILE ENCASEMENTS HAVE 1 INCH SURFACE PITTING ALONG WATERLINE .	
39	4	SLOPE PROTECTION ...4... SOUTH SLOPE PROTECTION HAS SECTION MISSING ON RIGHT SIDE AND BOTTOM , ALSO SHIFTING OUT 1 INCH FROM ABUTMENT ,RIP-RAP HAS BEEN ADDED AT MISSING SECTION .	
45c	5	...7... NORTH SLOPE PROTECTION GOOD . SCOUR ...5... 4 FEET SCOUR ALONG SOUTH SLOPE PROTECTION AND PIER 2 .	
50	6	APPROACHES ...6... BOTH CRACKED	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 400317

County GUILFORD


Date: 06/01/2010


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	JOINT MATERIAL HAS FALLEN OUT AND HAVE BEEN PAVED OVER .	
3342	Clean and Paint Structural Steel	SF	500	AREAS OF BEAMS OVER PIERS THAT HAVE BEEN PAINTED ARE PEELING OFF, AREAS OF SURFACE RUST ON BEAMS AND BEARINGS .	
3348	Maintain Concrete Substructure Components	LF	30	PIER PILE ENCASEMENTS HAVE 1 INCH SURFACE PITTING ALONG WATERLINE .	
3352	Maint Slope Protection	SF	100	SOUTH SLOPE PROTECTION HAS AREA ON RIGHT SIDE MISSING .	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined



TEMP. REPAIRS, BEAM 4 IN SPANS 2,3 IS PLATED ALONG THE WEB AND BOTTOM AT PIER 2



TEMP. REPAIRS, BEAM 3 IN SPANS 2,3 IS PLATED ALONG THE WEB AT PIER 2



END DIAPHRAGMS HAVE BEEN CUT TO REPAIR BEAMS AT PIER 2



TEMP. REPAIR, BEAM 2, SPAN 3 @ PIER 2 HAS BEEN PLATED ALONG THE WEB



TEMP. REPAIRS, BEAM 1 IN SPANS 2,3 IS PLATED ALONG THE WEB AND BOTTOM AT PIER 2



TEMP. REPAIR, BEAM 2, SPAN 2 HAS BEEN PLATED ALONG THE WEB AT PIER 2



BEAM 2, SPAN 2 HAS SURFACE RUST IN SPOTS ALONG LENGTH



BEAM 3, SPAN 2 HAS SURFACE RUST IN SPOTS ALONG LENGTH



PIER 2 CAP HAS A HORIZ. H/L CRACK ON THE SOUTH FACE AT BAY 2



RIGHT RAIL HAS BEEN REPAIRED



RIGHT RAIL HAS BEEN REPAIRED



SOUTH APPROACH ROADWAY IS CRACKED



TEMP. REPAIR, BEAM 1, SPAN 1 HAS BEEN PLATED ALONG THE WEB AT PIER 1



TEMP. REPAIRS, BEAM 2, SPANS 1,2 HAS BEEN PLATED ALONG THE WEB AT PIER 1



SOUTH SLOPE PROTECTION HAS SECTION MISSING ON RIGHT SIDE AND BOTTOM , RIP-RAP HAS BEEN ADDED AT MISSING SECT .



PIER 1 CAP HAS H/L HORIZONTAL CRACKING BETWEEN PILES 2 THRU 4



BEAM 1, SPAN 2 HAS AREAS OF PAINT PEELING WHERE SCALED AREA WAS PAINTED OVER



BEAM 1, SPAN 1 HAS SURFACE RUST ALONG LENGTH



PILE ENCASEMENTS HAVE UP TO 1" DEEP SURFACE PITTING ALONG THE W/L

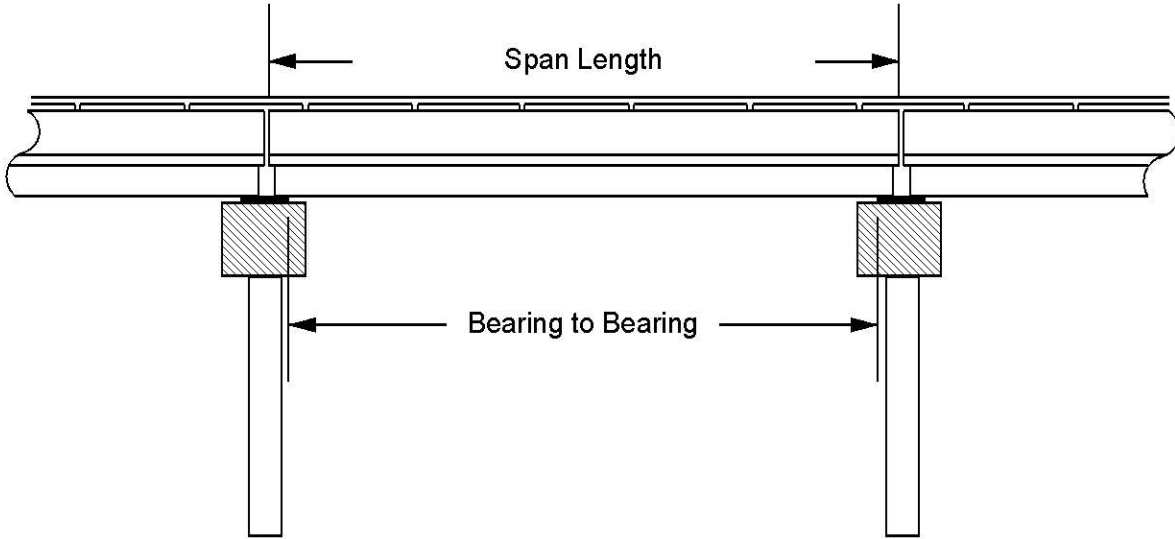
BRIDGE MANAGEMENT UNIT
 DATA ON EXISTING STRUCTURE Run Date: 07/13/2010

COUNTY :	DIV :	DIST :	STRUCTURE NUMBER :	LENGTH :					
GUILFORD	7	2	400317	98 FEET					
ROUTE CARRIED :		FEATURE INTERSECTED :							
US220		HAW RIVER							
LOCATED :		BRIDGE NAME :		CITY :					
0.2 MI. S. JCT. SR2104									
FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :					
02	FA	NFA	14000 2003	LT 111 RT 111					
BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :					
1951	SHPWC	5436	F-625(5)	HS 15					
REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :				
			TAN	90	ON 2 UNDER				
NAVIGATION :			HT. CRN. TO BED :	WATER DEPTH :					
VC	0.0	FT	HC	0.0	FT	21	FT	7	FT
SUPERSTRUCTURE : REINFORCED CONCRETE DECK ON I-BEAMS									
SUBSTRUCTURE : END&INT.BENTS:RC CAP ON STEEL PILES,INT.BENTS.FULL CONC.ENC.									
SPANS : 1@32'9 ,1@32'6 ,1@32'9									
BEAMS OR GIRDERS : 4 LINES OF W27X94 I-BEAMS @ 8'0 CENTERS									
FLOOR :		ENCROACHMENT :			DECK (OUT TO OUT) :				
6 3/4 RC,5.5AWS					31.3 FT				
CLEAR ROADWAY :		BETWEEN RAILS :			SIDEWALK OR CURB :				
28.0 FT		31.4 FT			LT 1.7 FT RT 1.7 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-16	HS-26	I-Bm B Int		SV 38 TTST 43 DATE 07/08/2009					
SYSTEM :				GREEN LINE ROUTE :					
Primary U.S. Route				A					
2ND OPENING :		3RD OPENING :		4TH OPENING :		5TH OPENING :			
REMARKS :									

Structure Data Worksheet

Spans

County: GUILFORD Structure No: 400317 Date: 06/01/2010 Inspected By: RLA



Span No	Span Length	Bearing to Bearing	Comments
1	32.750	31.083	NBIS- BL- 93.000
2	32.750	31.667	MEAS. VERIFIED 6/1/10...MYW
3	32.750	31.083	

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 400317 County: GUILFORD Date: 06/01/2010 By: RLA

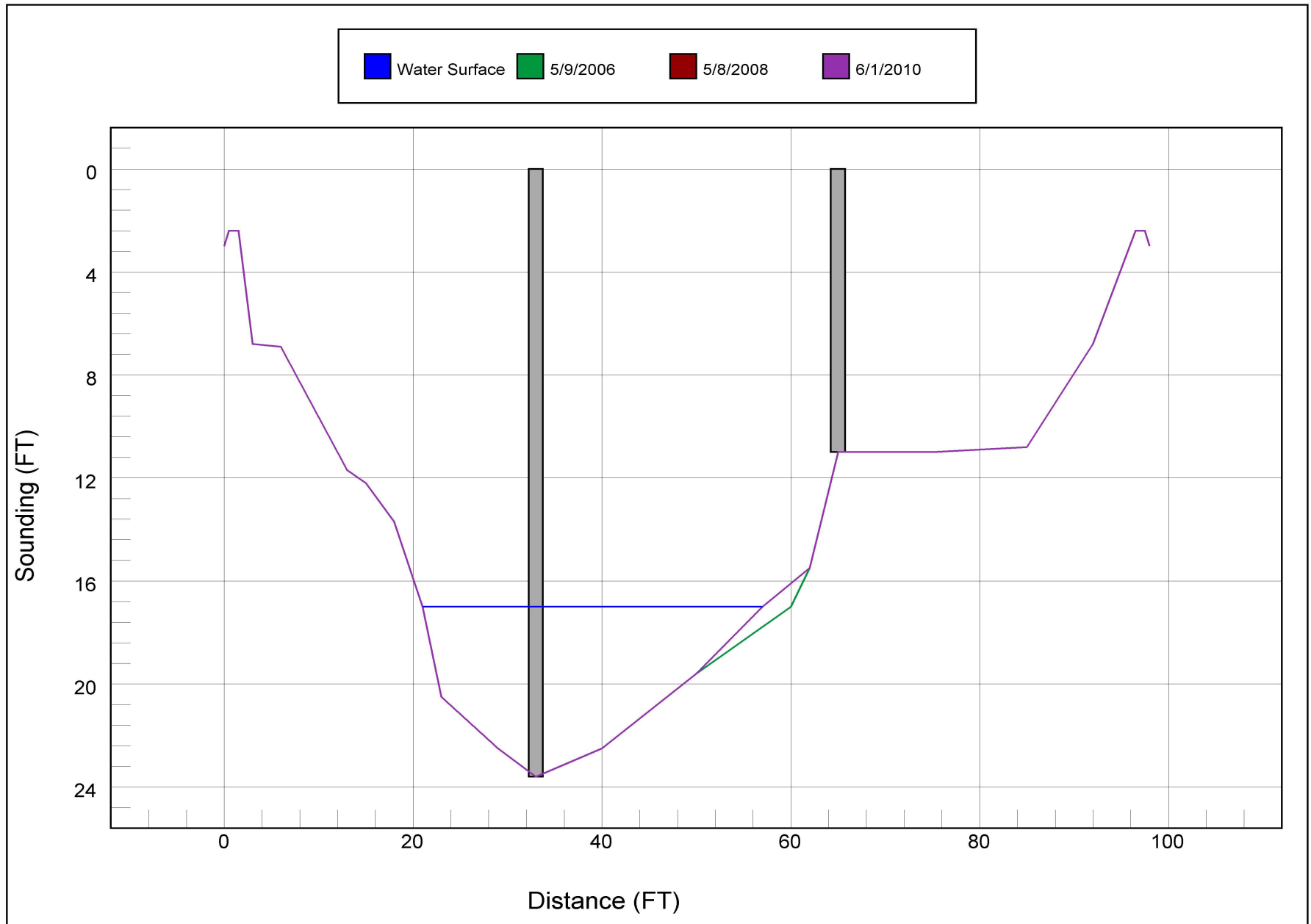
Record sounding from top of rail. Other location if needed: TOP OF RAIL

Distance from Highwater Mark to top of rail: 8 Location of Highwater Mark: columns

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	3	ff			
0.5	2.4				
1.5	2.4		1.5	6.1	abutment 1
3	6.8				
6	6.9				
13	11.7				
15	12.2				
18	13.7				
21	17	wswe			
23	20.5				
29	22.5				
33	23.6	pier 1	33	18	pier 1
40	22.5				
50	19.6				
57	17	WSWE			
62	15.5				
65	11	pier 2	65	19	pier 2
68	11				
75	11				
85	10.8				
92	6.8				
96.5	2.4				
97.5	2.4		97.5	6.8	abutment 2
98	3	ff			

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



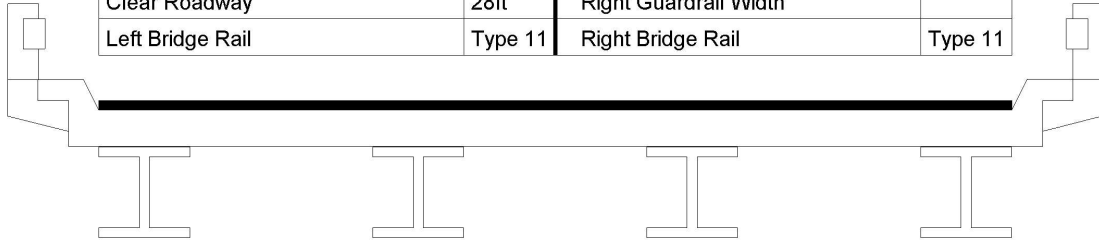
Roadway	24ft Wide	2 Paved Lanes	Looking North
Left Shoulder	8ft Wide		8ft Unpaved
Right Shoulder	8ft Wide		8ft Unpaved
Left Guardrail			
Right Guardrail			

MEAS. VERIFIED 6/1/10...MYW

Title app rdway		Description app rdway	
Bridge No: 400317	Drawn By: MYW	Date: 06/1/10	File Name: S0058001262

Bridge Inspection Field Sketch

Deck Width/Out to Out	31.333ft	Wearing Surface	0.458ft
Between Rails	31.417ft	Median Width	
Curb Height	0.417ft	Median Height	
Top Rail to Deck/Wearing Surface	2.333ft	Left Guardrail Width	
Clear Roadway	28ft	Right Guardrail Width	
Left Bridge Rail	Type 11	Right Bridge Rail	Type 11



Measurements for Span #	1	span 2 & 3 similiar	
Deck Thickness	0.562	Left Overhang	3.667
Top of Rail to Bottom of Beam	5.333	Right Overhang	3.667

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	8.000ft	
2	Steel I Beam	8.000ft	
3	Steel I Beam	8.000ft	
4	Steel I Beam		

end bents- rc caps on steel h-piles, piles not visible

int bents- rc caps on steel h-piles, piles totally encased in conc.

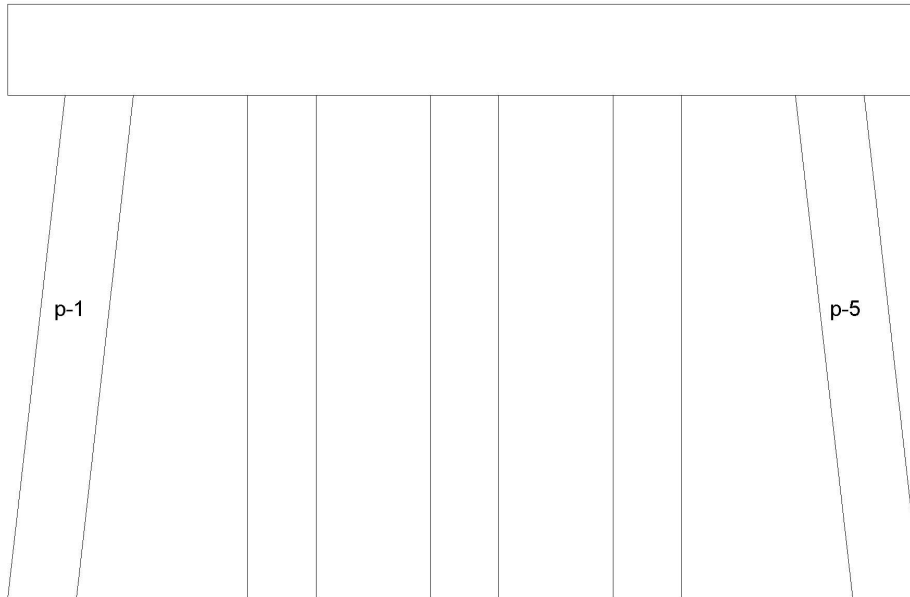
-

steel beams- w 27 x 94

MEAS. VERIFIED 6/1/10...MYW

Title data		Description data	
Bridge No: 400317	Drawn By: MYW	Date: 6/1/10	File Name: S0058001263

Bridge Inspection Field Sketch



Bent #	1	Bents 2 similar	
Cap - Cast In Place			
Cap Size	28.167ft Long	2.5ft Wide	2.5ft High
Left Overhang	1.333ft	Lt Cap/Beam Overhang	2.167ft
Right Overhang	1.333ft	Rt Cap/Beam Overhang	2.167ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Steel	Pile Bent	6.375		1 x 1		Batter Pile
2	Steel	Pile Bent	6.375		1 x 1		
3	Steel	Pile Bent	6.375		1 x 1		
4	Steel	Pile Bent	6.375		1 x 1		
5	Steel	Pile Bent			1 x 1		Batter Pile

steel piles are totally encased in conc.

MEAS. VERIFIED 6/1/10...MYW

Title piers 1 & 2		Description piers 1 & 2	
Bridge No: 400317	Drawn By: acf	Date: 05/08/08	File Name: S0058001265



TERMINAL END



GUARDRAIL SPACING MIDWAY



LOOKING NORTH



POSTING



GUARDRAIL SPACING AT BRIDGE



GUARDRAIL ATTACHMENT



LOOKING EAST DOWNSTREAM FROM TOP



LOOKING WEST UPSTREAM FROM TOP



GUARDRAIL LOOKING NORTH



LOOKING SOUTH



LOOKING EAST



LOOKING WEST



BEAM AT END OF CAP



ABUTMENT 2, ABUTMENT 1 SIMILAR



SUPERSTRUCTURE SPAN 3, SPANS 1,2 SIMILAR



BEARING



PIER 1, PIER 2 SIMILAR



LOOKING WEST UPSTREAM



LOOKING EAST DOWNSTREAM