



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MANAGEMENT UNIT

ATTENTION

TEMP. REPAIRS.

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY ROWAN

BRIDGE NUMBER 790184

INSPECTION CYCLE 2 YRS

ROUTE SR2333

ACROSS SECOND CREEK

M.P. 0

LOCATION 0.4 MI. N. JCT. SR2336

SUPERSTRUCTURE TIMBER DECK ON I-BEAMS

SUBSTRUCTURE END BENTS:TIMBER CAPS, POSTS & SILLS, TIMBER BULKHEADS

SPANS 1@40'6"

LONGITUDE 80° 25' 13.07"

LATITUDE 35° 32' 24.91"

PRESENT CONDITION FAIR

INVENTORY RATING

INSPECTION DATE 11/14/2012

OPERATING RATING

PRESENT POSTING Y SV 16 TTST 20

PROPOSED POSTING

COMPUTER UPDATE

ANALYSIS DATE

POSTING LETTER DATE

SUFFICIENCY RATING

OTHER SIGNS PRESENT 4 DELINEATORS



LOOKING NORTH

SIGN NOTICE
ISSUED FOR

NUMBERED
REQUIRED

No	WEIGHT LIMIT	
No	DELINEATORS	
No	NARROW BRIDGE	
No	ONE LANE BRIDGE	
No	LOW CLEARANCE	

Run Date: 12/13/2012

IDENTIFICATION					
(1) STATE NAME -NORTH CAROLINA	BRIDGE	790184	SUFFICIENCY RATING = 29.78		
(8) STRUCTURE NUMBER(FEDERAL)	000000001590184	STATUS = Structurally Deficient			
(5) INVENTORY ROUTE (ON/UNDER) - ON	31023330				
(2) STATE HIGHWAY DEPARTMENT DISTRICT	1				
(3) COUNTY CODE 159	(4) PLACE CODE 57340				
(6) FEATURE INTERSECTED - SECOND CREEK					
(7) FACILITY CARRIED SR2333					
(9) LOCATION 0.4 MI. N. JCT. SR2336					
(11)MILEPOINT	0				
(16)LAT 35° 32' 24.91"	(17)LONG 80° 25' 13.07"				
(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 - Local	19
TYPE -	CODE 000	(100)STRAHNET HIGHWAY - Not a STRAHNET Route 0			
(45) NUMBER OF SPANS IN MAIN UNIT	1	(101)PARALLEL STRUCTURE - No Parallel Structure N			
(46) NUMBER OF APPROACH SPANS				(102)DIRECTION OF TRAFFIC - 2-way Traffic	2
(107)DECK STRUCTURE TYPE - 8	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
AGE AND SERVICE				CONDITION	
(27) YEAR BUILT	1967	(58) DECK 7			
(106)YEAR RECONSTRUCTED				(59) SUPERSTRUCTURE	7
(42) TYPE OF SERVICE : ON - Highway				(60) SUBSTRUCTURE	4
UNDER - Waterway	CODE 15	(61) CHANNEL & CHANNEL PROTECTION 7			
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE	0	(62) CULVERTS N			
(29) AVERAGE DAILY TRAFFIC	560				
(30) YEAR OF ADT 2010	(109) TRUCK ADT PCT 7%				
(19) BYPASS OR DETOUR LENGTH	1 MI				
GEOMETRIC DATA				LOAD RATING AND POSTING	
(48) LENGTH OF MAXIMUM SPAN	40 FT	(31) DESIGN LOAD Unknown 0			
(49) STRUCTURE LENGTH	41 FT	(63) OPERATING RATING METHOD - Load Factor			
(50)CURB OR SIDEWALK: LEFT .3 FT RIGHT .3 FT	(64) OPERATING RATING - HS-1 101				
(51) BRIDGE ROADWAY WIDTH CURB TO CURB	24.417 FT	(65) INVENTORY RATING METHOD - Load Factor			
(52) DECK WIDTH OUT TO OUT	25.417 FT	(66) INVENTORY RATING - HS-1 101			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)	20 FT	(70) BRIDGE POSTING - Posting Required 0			
(33) BRIDGE MEDIAN - No Median	CODE 0	(41) STRUCTURE OPEN, POSTED ,OR CLOSED P			
(34) SKEW 0°	(35) STRUCTURE FLARED 0	DESCRIPTION - Posted for Load			
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9 FT				
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	24.417 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				APPRAISAL	
(38) NAVIGATION CONTROL - No Navigational Control	CODE 0	(67) STRUCTURAL EVALUATION 3			
(111)PIER PROTECTION -	CODE	(68) DECK GEOMETRY 4			
(39) NAVIGATION VERTICAL CLEARANCE	0	(69) UNDERCLEARANCES,VERTI & HORIZ N			
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR	FT	(71) WATERWAY ADEQUACY 7			
(40) NAVIGATION HORIZONTAL CLEARANCE	0 FT	(72) APPROACH ROADWAY ALIGNMENT 8			
				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 1060	(115) YEAR FUTURE ADT 2025
				INSPECTIONS	
				(90) INSPECTION DATE	11/14/2012
				(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	

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 12/13/2012

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
ROWAN	9	1	790184	41	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR2333	SECOND CREEK

LOCATED :	BRIDGE NAME :	CITY :
0.4 MI. N. JCT. SR2336		*ROCKWELL

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
19	NFA	NFA	560 2010	LT 227 RT 227

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1967	BMU	6.6320109		Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :
			TAN	90	ON 2 UNDER 0

NAVIGATION :	HT. CRN. TO BED :	WATER DEPTH :
VC 0 FT HC 0 FT	10 FT	1 FT

SUPERSTRUCTURE : TIMBER DECK ON I-BEAMS

SUBSTRUCTURE : END BENTS:TIMBER CAPS, POSTS & SILLS, TIMBER BULKHEADS

SPANS : 1@40'6"

BEAMS OR GIRDERS : 10 LINES OF W16X45 I-BEAMS @ 2'7" CENTERS

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8"TIM,1. 5"AWS		25.417 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
24.417 FT	25.083 FT	LT .3 FT RT .3 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	20	DATE	10/04/1995
HS-1	HS-1	int bm	SV 16				

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. 790184 COUNTY ROWAN ROUTE SR2333 OVER SECOND CREEK
 STRUCTURE TYPE TIMBER DECK ON I-BEAMS
 ROUTE ORIENTATION S - N SPANS 1@40'6

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			F	45. CHANNEL & CHANNEL PROT.	a. WATERWAY	G	
					b. ALIGNMENT	G	
					c. SCOUR	G	
					d. SLOPE PROT., RIP-RAP, DIKES, ETC.		
2. DECK NO. OF EA TYPE SPN GRADE RATES SI & A ITEM 58	a. CONCRETE			50. APPROACH ROADWAY CONDITION			F
	b. TIMBER	1	G	51. APPROACH SLABS			
	c. STEEL PLANK			52. PAINT SYSTEM			CODE A F
	d. OPEN GRID			53. UTILITIES			
3. RAILING	a. CONCRETE			54. RESPONSE TO LIVE LOAD			G
	b. TIMBER		G	55. ESTIMATED REMAINING LIFE			14
	c. ALUMINUM						
	d. STEEL						
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			G	60. REGULATORY SIGN NOTICE ISSUED			NO
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)				61. PROMPT-ACTION NOTICE ISSUED			NO
6. DECK EXP JTS. OR DEVICES. NO. OF EACH	a. STEEL PL OR FINGER			62. PRESENTLY POSTED			YES
	b. MISC PREFAB			63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			4
	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)			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			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	7	
13. END DIAP'S, CURTAIN WALLS, & CONN'S				71. SI&A FIELD APPRAISAL RATINGS			
14. FLOOR BEAMS AND CONNECTIONS				a. WATERWAY ADAQUACY		7	
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)			G	b. APPR. RDWY. ALIGNMENT		8	
16. DRAINAGE SYSTEM (ON STRUCTURE)			G	72. FIELD SCOUR EVALUATION			U
17. MOVABLE SPAN MACHINERY							
SUB STR. ITEMS. ITEM 60 (INCLUDE SCOUR)				USE OF INSP. ACCESSIBILITY EQUIPMENT			
35. TIM SUB STR.	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.	a. ABUT. & INT. BENT CAPS			BOAT			NO
	b. ABUT. & BENT COL'S BREASTWALLS			OTHER			NO
	c. ABUT. & INT. BENT PILES						
	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	80. INSPECTED BY:			
40. FENDER SYSTEMS				81. REVIEWED BY:			
41. DRIFT			G				

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

BRIDGE: 790184 COUNTY: Rowan DATE: 12/04/2012

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	<u>T</u>	<u>TSC</u>
S I & A ITEM 59 - SUPERSTRUCTURE		
S I & A ITEM 60 - SUBSTRUCTURE	<u>4</u>	<u>TSC</u> 12/10/12
S I & A ITEM 64 OPERATING RATING	HS <u>01</u>	BY: <u>AK</u>
S I & A ITEM 66 - INVENTORY RATING	HS <u>01</u>	BY: <u>AK</u>

COMMENTS

*Piles 1, 2 and 3 at end bent 2 supplemented.
Temporary Repairs*

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 TERRY MELTON			
Assisted By D.HACKNEY			
Item No.	Grade		
1	F	AWS CRACKED ALONG TIMBER DECKING EDGES.	
4	G	TIMBERS WEATHERED AND CHECKED.	
7	F	DEBRIS BUILD UP ALONG RIGHT SIDE ONLY.	
10	G	BEAMS SHOWING SURFACE RUST SCALE ALONG TOP FLANGES.	
10A	NO	NO CURVED GIRDERS.	
35a	F	TIMBERS WEATHERED AND CHECKED.	
35b	F	TIMBERS WEATHERED AND CHECKED, WITH DECAY ON PILE 1 AT END BENT 1, DECAY AREA IS 2IN DEEP X 3IN WIDE X 12IN HIGH. PILE 5 HAS DECAY AREA ON BACKSIDE NEXT TO BULKHEAD, 2" DEEP X 4" HIGH.	
35c	F	NE WING HAS DECAY IN TOP TIMBERS WITH FILL EXPOSED. BULKHEAD TIMBERS SOFT WITH POCKETS OF DECAY.	
50	F	BOTH APPROACHES SETTLED ALONG ROADWAY EDGES, UP TO 1". APPROACH PAVEMENT CRACKED.	
62	YES	SV- 16; TTST- 20	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 790184

County ROWAN

Date: 11/14/2012

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	50	BOTH APPROACHES CRACKED AND SETTLED.	
3344	Repair / Replace Timber Substructure Components	LF	12	END BENT 1, PILES 1 AND 5 HAVE DECAY AREAS ON PILES	
3346	Repair / Maintain Timber Wings & Blkhds	SF	40	NE WING HAS DECAY	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined



CRACKING ON SOUTH END APPROACH



CRACKING ON WEAR SURFACE AT END BENT 1



SETTLEMENT ON SOUTH END APPROACH



WEAR SURFACE CRACKING ON DECK AT TIMBER DECKING BOARD JOINTS



CRACKING ON WEAR SURFACE AT END BENT 2



SETTLEMENT AT NORTH END APPROACH



CRACKING ON NORTH END APPROACH



DECAY ON BOTTOM OF PILE 1 AT END BENT 1



SURFACE RUST SCALE ON BOTTOM AND TOP FLANGES OF BEAMS

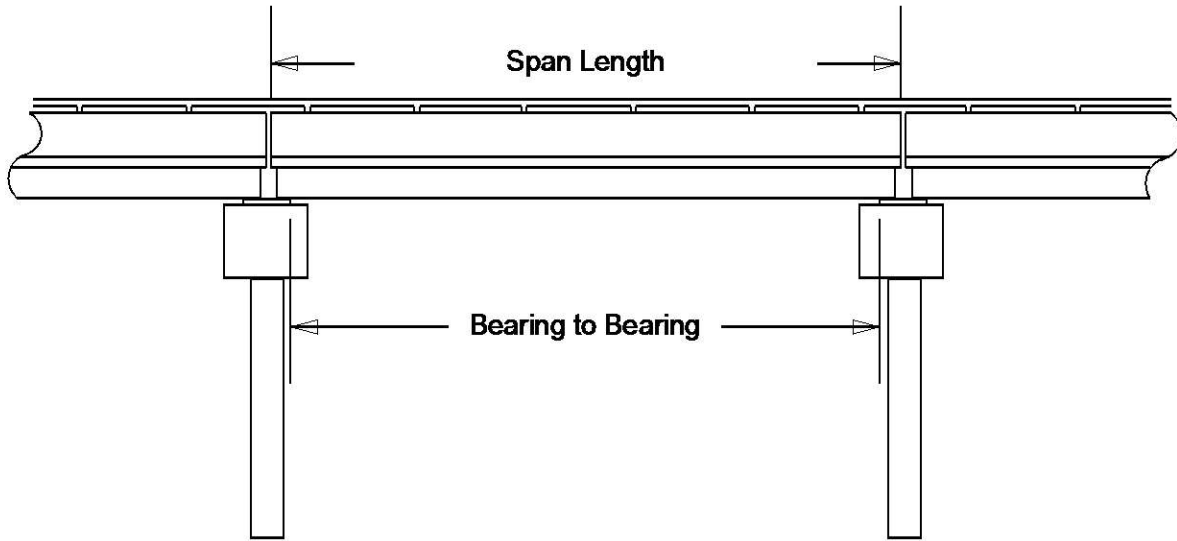


DECAY ON BACK OF PILE 5 AT END BENT 1

Structure Data Worksheet

Spans

County: ROWAN Structure No: 790184 Date: 11/14/2012 Inspected By: TFM



Span No	Span Length	Bearing to Bearing	Comments
1	40.5	39.5	NBIS BL 38.5

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 790184 County: ROWAN Date: 11/14/2012 By: TFM

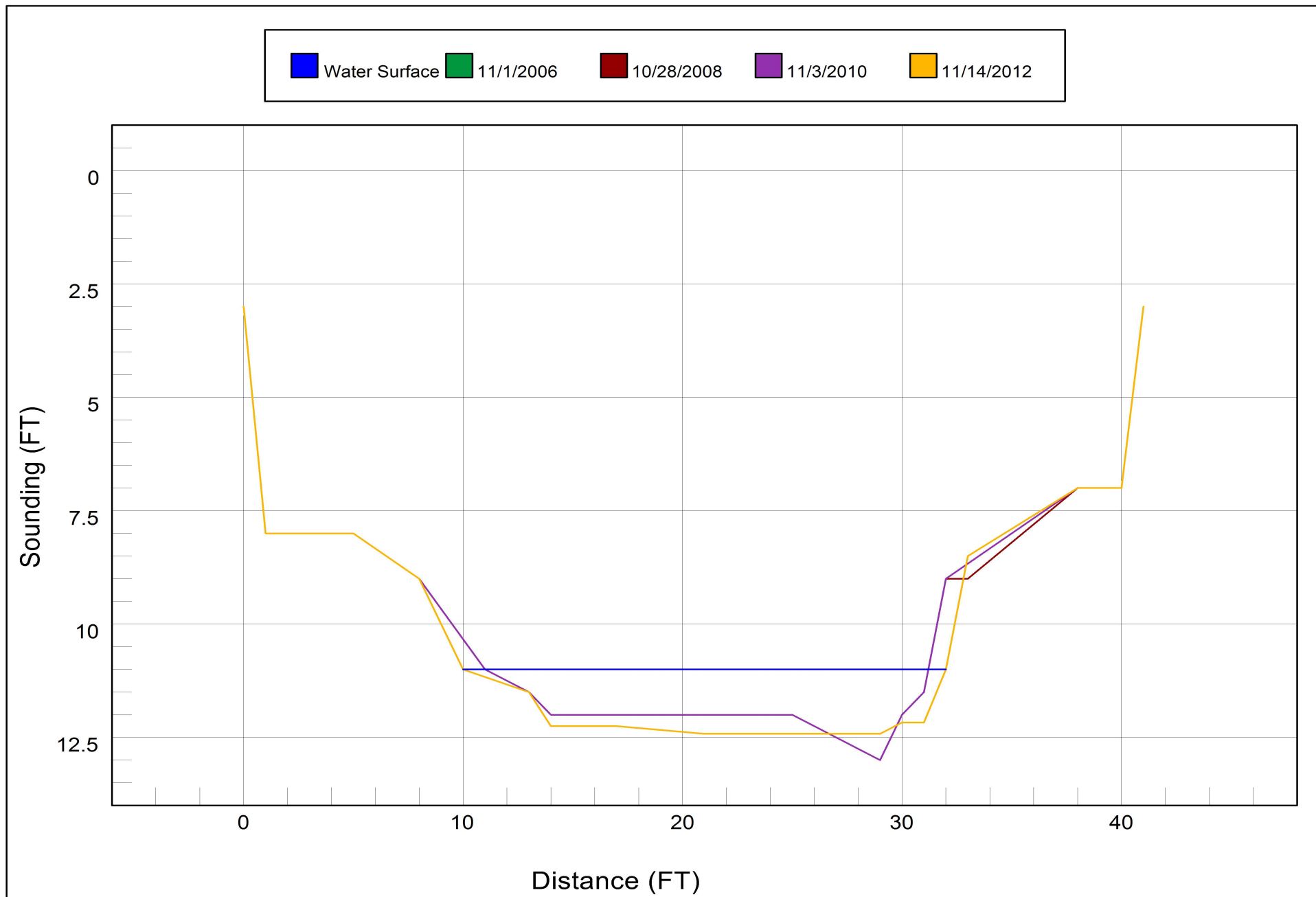
Record sounding from top of rail. Other location if needed: _____

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				
1	8	EB 1	1	8	EB 1
5	8				
8	9				
10	11	Water Surface/Water Edge (WSWE)			
13	11.5				
14	12.25				
17	12.25				
21	12.42				
25	12.42				
29	12.42				
30	12.17				
31	12.17				
32	11	Water Surface/Water Edge (WSWE)			
33	8.5				
38	7				
40	7	EB 2	40	7	EB 2
41	3				

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



Roadway	20ft Wide	2 Paved Lanes	Looking North
Left Shoulder	6ft Wide		6ft Unpaved
Right Shoulder	6ft Wide		6ft Unpaved

MEASUREMENTS VERIFIED BY DH 11/14/2012

Title

APPROACH ROADWAY SKETCH

Description

APPROACH ROADWAY SKETCH

Bridge No: 790184

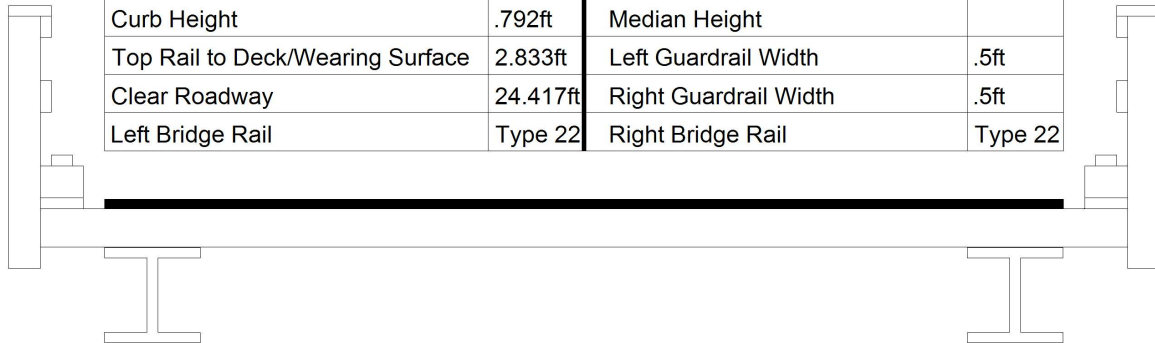
Drawn By: GDP

Date: 10/28/08

File Name: S0066001871

Bridge Inspection Field Sketch

Deck Width/Out to Out	25.417ft	Wearing Surface	.123ft
Between Rails	25.083ft	Median Width	
Curb Height	.792ft	Median Height	
Top Rail to Deck/Wearing Surface	2.833ft	Left Guardrail Width	.5ft
Clear Roadway	24.417ft	Right Guardrail Width	.5ft
Left Bridge Rail	Type 22	Right Bridge Rail	Type 22



Measurements for Span #	1		
Deck Thickness	.313	Left Overhang	1.083
Top of Rail to Bottom of Beam	4.833	Right Overhang	1.083

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.583ft	MEASUREMENTS VARIFIED
2	Steel I Beam	2.583ft	
3	Steel I Beam	2.583ft	
4	Steel I Beam	2.583ft	
5	Steel I Beam	2.583ft	
6	Steel I Beam	2.583ft	
7	Steel I Beam	2.583ft	
8	Steel I Beam	2.583ft	
9	Steel I Beam	2.583ft	
10	Steel I Beam		

BEAMS: 1.433ft HIGH X .593ft WIDE X .047ft FLANGE X .031ft WEB

MEASUREMENTS VERIFIED BY DH 11/14/2012

Title

STRUCTURE DATA SKETCH

Description

STRUCTURE DATA SKETCH

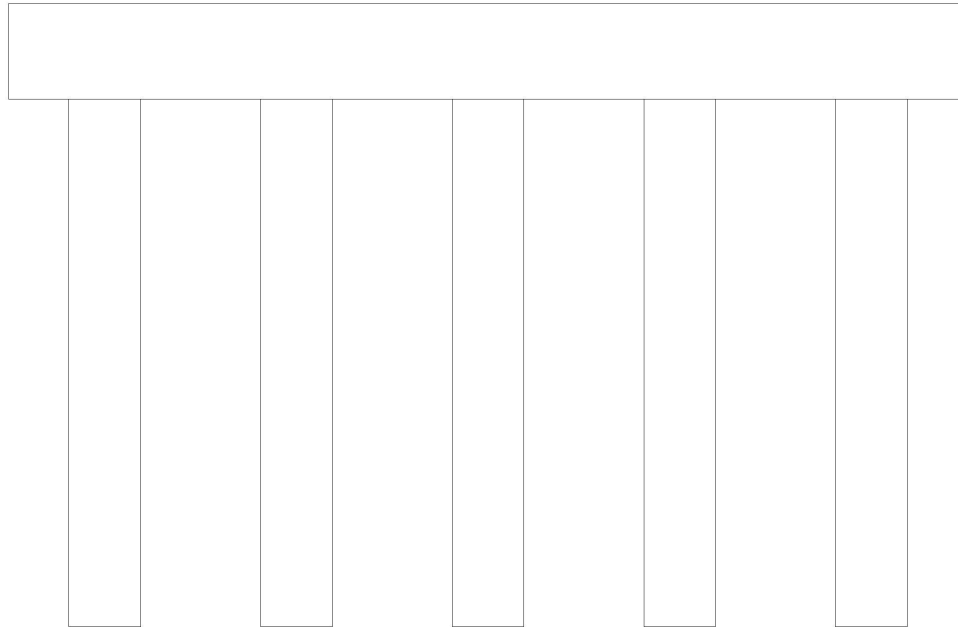
Bridge No: 790184

Drawn By: GDP

Date: 10/28/08

File Name: S0066001872

Bridge Inspection Field Sketch



Abutment #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	25.417ft Long	.833ft Wide	.959ft High
Left Overhang	2ft	Lt Cap/Beam Overhang	1.083ft
Right Overhang	2ft	Rt Cap/Beam Overhang	1.083ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	5.5		.792 X .833	POST	Vertical
2	Wood or Timber	Pile Bent	5.5		.792 X .833	POST	Vertical
3	Wood or Timber	Pile Bent	5.5		.792 X .833	POST	Vertical
4	Wood or Timber	Pile Bent	5.5		.792 X .833	POST	Vertical
5	Wood or Timber	Pile Bent			.792 X .833	POST	Vertical

MEASUREMENTS VERIFIED BY DH 11/14/2012

Title		Description	
PILE DIAGRAM END BENT # 1		PILE DIAGRAM END BENT # 1	
Bridge No:	790184	Drawn By:	GDP
Date:	10/28/08	File Name:	S0066001873

Bridge Inspection Field Sketch										
Cap Information			Material Timber							
Length 26.417 ft.	Width .833 ft.	Height .959 ft.	Left Overhang 3.000 ft.	Right Overhang 1.417 ft.	Left Beam to End of Cap. 2.083 ft.	Right Beam to End of Cap. 1.417 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height	MEASUREMENTS VERIFIED BY DH 11/14/2012							
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	1 ft.	.792 ft.	.833 ft.		Vertical	No	No	No	No
2	Timber	4.5 ft.	.792 ft.	.833 ft.		Vertical	No	No	No	No
3	Timber	1 ft.	.792 ft.	.833 ft.		Vertical	No	No	No	No
4	Timber	4.5 ft.	.792 ft.	.833 ft.		Vertical	No	No	No	No
5	Timber	1 ft.	.792 ft.	.833 ft.		Vertical	No	No	No	No
6	Timber	4.5 ft.	.792 ft.	.833 ft.		Vertical	No	No	No	No
7	Timber	5.5 ft.	.792 ft.	.833 ft.		Vertical	No	No	No	No
8	Timber		.792 ft.	.833 ft.		Vertical	No	No	No	No
Bent/Abutment #: 2			Similar Bents:							
Title PILE DIAGRAM END BENT # 2						Description PILE DIAGRAM END BENT # 2				
Bridge No: 790184		Drawn By: GDP				Date: 10/28/08		File Name: S0066001874		



LOOKING NORTH



WEIGHT LIMIT SIGN



SOUTH END APPROACH



WEAR SURFACE AT END BENT 1



LOOKING DOWNSTREAM



LOOKING NORTH FROM DECK



LOOKING SOUTH FROM DECK



LOOKING UPSTREAM



WEAR SURFACE AT END BENT 2



NORTH END APPROACH



LOOKING AT WEST SIDE



LOOKING SOUTH



BEARING PLATE ON BEAM 1 AT END BENT 2



LOOKING DOWNSTREAM



LOOKING UPSTREAM



END BENT 1



UNDERSIDE OF DECK



END BENT 2



LOOKING AT EAST SIDE