



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 BRIDGE MANAGEMENT UNIT

ATTENTION **SHORED**



BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY ONSLow BRIDGE NUMBER 660226 INSPECTION CYCLE 2 YRS
 ROUTE SR1557 ACROSS BRANCH OF NEW RIV M.P. 0

LOCATION 0.6 MI E JCT NC172

SUPERSTRUCTURE RC FLOOR/TIMBER JOIST,(STD.BMD-10)

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

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

LONGITUDE 77° 23' 19.1"

LATITUDE 34° 33' 57.8"

PRESENT CONDITION FAIR

INVENTORY RATING _____

INSPECTION DATE 02/10/2012

OPERATING RATING _____

PRESENT POSTING SV 17 TTST 25 SV17 TTST25

PROPOSED POSTING _____

COMPUTER UPDATE _____

ANALYSIS DATE _____

POSTING LETTER DATE _____

SUFFICIENCY RATING _____

OTHER SIGNS PRESENT 2 WEIGHT LIMITS, 4 DELINEATORS



LOOKING EAST

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: 02/21/2012

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **660226**
 (8) STRUCTURE NUMBER(FEDERAL) 000000001330226
 (5) INVENTORY ROUTE (ON/UNDER) - ON 31015570
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 1
 (3) COUNTY CODE 133 (4) PLACE CODE 00000
 (6) FEATURE INTERSECTED - BRANCH OF NEW RIV
 (7) FACILITY CARRIED SR1557
 (9) LOCATION 0.6 MI E JCT NC172
 (11)MILEPOINT 0
 (16)LAT 34° 33' 48.5" (17)LONG 77° 23' 27.9"
 (98)BORDER BRIDGE STATE CODE PCT SHARE
 (99)BORDER BRIDGE STRUCTURE NO

SUFFICIENCY RATING = 21.18
 STATUS = Structurally Deficient

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

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Wood or Timber
 TYPE - Stringer Multibeam or Girder CODE 702
 (44) STRUCTURE TYPE APPR :
 TYPE - CODE 000
 (45) NUMBER OF SPANS IN MAIN UNIT 3
 (46) NUMBER OF APPROACH SPANS
 (107)DECK STRUCTURE TYPE - 1 CODE
 (108)WEARING SURFACE / PROTECTIVE SYSTEM :
 (A) TYPE OF WEARING SURFACE - CODE
 (B) TYPE OF MEMBRANE - CODE
 (C) TYPE OF DECK PROTECTION - CODE

CONDITION **CODE**

(58) DECK 5
 (59) SUPERSTRUCTURE 5
 (60) SUBSTRUCTURE 4
 (61) CHANNEL & CHANNEL PROTECTION 7
 (62) CULVERTS N

LOAD RATING AND POSTING **CODE**

(31) DESIGN LOAD H 10 1
 (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 2
 (41) STRUCTURE OPEN, POSTED ,OR CLOSED P
 DESCRIPTION - Posted for Load

AGE AND SERVICE

(27) YEAR BUILT 1965
 (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
 (30) YEAR OF ADT 2009 (109) TRUCK ADT PCT 6%
 (19) BYPASS OR DETOUR LENGTH 3 MI

APPRAISAL **CODE**

(67) STRUCTURAL EVALUATION 4
 (68) DECK GEOMETRY 4
 (69) UNDERCLEARANCES,VERTI & HORIZ N
 (71) WATERWAY ADEQUACY 8
 (72) APPROACH ROADWAY ALIGNMENT 8
 (36) TRAFFIC SAFETY FEATURES 0000
 (113)SCOUR CRITICAL BRIDGES U

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 18 FT
 (49) STRUCTURE LENGTH 53 FT
 (50)CURB OR SIDEWALK: LEFT .8 FT RIGHT .8 FT
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 24 FT
 (52) DECK WIDTH OUT TO OUT 25.1 FT
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 18 FT
 (33) BRIDGE MEDIAN - No Median CODE 0
 (34) SKEW 20° (35) STRUCTURE FLARED 0
 (10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 24 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

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 4000 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 02/10/2012
 (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

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

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 02/21/2012

COUNTY : ONSLOW DIVISION : 3 DISTRICT : 1 STRUCTURE NUMBER : 660226 LENGTH : 53 FEET

ROUTE CARRIED : SR1557 FEATURE INTERSECTED : BRANCH OF NEW RIV

LOCATED : 0.6 MI E JCT NC172 BRIDGE NAME : CITY :

FUNC. CLASS : 09 SYST.ON : NFA SYST.UNDER : NFA ADT & YR : 2000 2009 RAIL TYPE : LT 241 RT 241

BUILT : 1965 BY : BMU PROJ : FED.AID PROJ : BD-5103P DESIGN LOAD : H 10

REHAB : BY : PROJ : ALIGNMENT : TAN SKEW : 110 LANES : ON 2 UNDER

NAVIGATION : VC 0 FT HC 0 FT HT. CRN. TO BED : 10 FT WATER DEPTH : 2 FT

SUPERSTRUCTURE : RC FLOOR/TIMBER JOIST,(STD.BMD-10)

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

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

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

FLOOR : 5 RC/NO AWS ENCROACHMENT : DECK (OUT TO OUT) : 25.1 FT

CLEAR ROADWAY : 24 FT BETWEEN RAILS : 25.3 FT SIDEWALK OR CURB : LT .8 FT RT .8 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-1 OPE.RTG. : HS-1 CONTR.MEMBER : JOIST EXT. POSTED : SV 21 TTST 31 DATE 02/21/2012

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. 660226 COUNTY ONSLOW ROUTE SR1557 OVER BRANCH OF NEW RIV
 STRUCTURE TYPE RC FLOOR/TIMBER JOIST,(STD.BMD-10)
 ROUTE ORIENTATION W - E SPANS 1@17'10";1@17';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				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		3	F	50. APPROACH ROADWAY CONDITION			F
	b. TIMBER				51. APPROACH SLABS			
	c. STEEL PLANK				52. PAINT SYSTEM			CODE
	d. OPEN GRID				53. UTILITIES			
3. RAILING	a. CONCRETE			G	54. RESPONSE TO LIVE LOAD			F
	b. TIMBER				55. ESTIMATED REMAINING LIFE			7
	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)			16
	c. COMPRESSION SEAL				64. TOTAL SNOOPER INSP. TIME (HRS)			
	d. STANDARD JOINTS		2	F	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	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	71. SI&A FIELD APPRAISAL RATINGS			
14. FLOOR BEAMS AND CONNECTIONS					a. WATERWAY ADAQUACY		7	
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)					b. APPR. RDWY. ALIGNMENT		7	
16. DRAINAGE SYSTEM (ON STRUCTURE)				P	72. FIELD SCOUR EVALUATION			O
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			YES	
	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		G	SPECIAL INSPECTION REQUESTED FOR				
	b. PILES, BRACING, AND BULKHEADS		G					
38. FOUNDATION PILES TYPE MATERIAL					NOTE			
39. SLOPE PROT., RIP-RAP (INCLUDE DRAINAGE)								
40. FENDER SYSTEMS					80. INSPECTED BY:		<i>Eggen Coors</i>	
41. DRIFT				G	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 BRYAN CROOM			
Assisted By RGM			
Item No.	Grade		
2a	F	TRANSVERSE CRACKING IN DECK OVER END BENTS UP TO .020" WIDE. TRANSVERSE CRACKING/LONGITUDINAL CRACKING IN DECK IN ALL SPANS UP TO .040" WIDE. HAIRLINE MAPCRACKING IN DECK IN ALL SPANS. PATCHES IN SPAN 3 DECK AT EAST END. PATCHES IN SPAN 1 DECK AT WEST END.	
3a	G	RAILS WEATHERED WITH EXPOSED AGGREGATE.	
4	G	TRANSVERSE CRACKING/VERTICAL CRACKING ALONG CURBS. CURBS WEATHERED WITH EXPOSED AGGREGATE.	
6d	F	TOP SEAL ALONG JOINTS DETERIORATED.	
7	G	DEBRIS ALONG SOUTH AND NORTH CURB BLOCKING DRAINS.	
11	F	JOIST 1 IN SPAN 1 REPLACED WITH CCA MATERIAL. LONGITUDINAL CRACKING ALONG JOIST UP TO 1/8" WIDE. JOIST 2 IN SPAN 1 REPLACED WITH CCA MATERIAL. JOIST 2 IN SPAN 2 REPLACED WITH CCA MATERIAL. JOIST 1 AND 19 SIMILAR. JOIST 19 SIMILAR. JOIST 1,2,5,6 AND 10 IN SPAN 3 REPLACED WITH CCA MATERIAL.	
16	P	DRAIN PIPES ALONG EXTERIOR BAYS RUSTED AND CORRODED AT LOWER PORTION. DEBRIS ALONG SOUTH AND NORTH CURB BLOCKING DRAINS.	
35a	F	BENT 1 CAP AT NORTH END DECAYED AREA 10" WIDE X 2" TO 5" HIGH X 5" LONG. LONGITUDINAL CRACKING ALONG TIMBER CAPS UP TO 1/8" WIDE. BENT 2 CROWN STRIP REPLACED WITH CCA MATERIAL AT JOIST 1-10. THERE ARE STEEL CRUTCHBENTS IN PLACE ALONG BOTH END BENTS.	
35b	F	LONGITUDINAL CRACKING ALONG TIMBER PILES UP TO 1/8" WIDE. LONGITUDINAL BRACING IN PLACE AT BENT 1 PILES IN SPAN 1 SIMILAR AT BENT 2 IN SPAN 3 AND SPAN 2.	
35c	F	STEEL SHEET PILE IN PLACE BEHIND ORIGINAL BULKHEAD BOARDS AT END BENT 1. SOUTHWEST WINGPILE DECAYED AND HOLLOW. SOUTHWEST WINGWALL TOP 3 BOARDS ROLLED BACK AND DISPLACED UP TO 1". SOUTHEAST WINGWALL BOARDS DECAYED AT END PORTION. SOUTHEAST WINGPILE HOLLOW. NORTHEAST WINGWALL BOARDS DECAYED AT END PORTION.	
37a	G	THERE ARE STEEL CAPS AT THE END BENT CRUTCHBENTS.	

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 BRYAN CROOM			
Assisted By RGM			
Item No.	Grade		
37b	G	THERE ARE STEEL PILES AT THE END BENT CRUTCHBENTS.	
50	F	WEST APPROACH ASPHALT WEARING SURFACE SETTLED 2". EAST APPROACH ASPHALT WEARING SURFACE SETTLED 1".	
54	F	DEFLECTION NOTED UNDER HEAVY SV LOADS.	
62	YES	POSTED: SV 17 TTST 25	

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 660226

County ONSLOW

Date: 02/10/2012

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	4	WEST APPROACH ASPHALT WEARING SURFACE SETTLED 2". EAST APPROACH ASPHALT WEARING SURFACE SETTLED 1".	
3310	Maintenance/Repair/Replacement of Standard Bridge Expansion Joints	LF	48	TOP SEAL ALONG JOINTS DETERIORATED	
3344	Repair / Replace Timber Substructure Components	LF	26	BENT 1 CAP AT NORTH END DECAYED AREA 10" WIDE X 2" TO 5" HIGH X 5" LONG.	
3344	Repair / Replace Timber Substructure Components	LF	150	SOUTHWEST WINGPILE DECAYED AND HOLLOW. SOUTHWEST WINGWALL TOP 3 BOARDS ROLLED BACK AND DISPLACED UP TO 1". SOUTHEAST WINGWALL BOARDS DECAYED AT END PORTION. SOUTHEAST WINGPILE HOLLOW. NORTHEAST WINGWALL BOARDS DECAYED AT END PORTION.	
3376	Clean/Wash Bridge Decks	SF	106	DEBRIS ALONG SOUTH CURB BLOCKING DRAINS	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined



BENT 1 CAP AT NORTH END DECAYED AREA 10" WIDE X 2" TO 5" HIGH X 5" LONG.



LONGITUDINAL CRACKING ALONG TIMBER PILES UP TO 1/8" WIDE



LONGITUDINAL BRACING IN PLACE AT BENT 1 PILES IN SPAN 1 SIMILAR AT BENT 2 IN SPAN 3 AND SPAN 2.



STEEL SHEET PILE IN PLACE BEHIND ORIGINAL BULKHEAD BOARDS AT END BENT 1.



JOIST 1 IN SPAN 1 REPLACED WITH CCA MATERIAL



LONGITUDINAL CRACKING ALONG TIMBER CAPS UP TO 1/8" WIDE.



SOUTHWEST WINGPILE DECAYED AND HOLLOW



SOUTHWEST WINGWALL TOP 3 BOARDS ROLLED BACK AND DISPLACED UP TO 1"



BENT 2 CROWN STRIP REPLACED WITH CCA MATERIAL AT JOIST 1-10



LONGITUDINAL CRACKING ALONG JOIST UP TO 1/8" WIDE



STEEL CRUTCH BENT IN PLACE AT END BENT 2



WEST APPROACH ASPHALT WEARING SURFACE SETTLED 2"



DEBRIS ALONG SOUTH CURB BLOCKING DRAINS



TRANSVERSE CRACKING/VERTICAL CRACKING ALONG CURBS



RAILS WEATHERED WITH EXPOSED AGGREGATE



CURBS WEATHERED WITH EXPOSED AGGREGATE



DEBRIS ALONG NORTH CURB BLOCKING DRAINS



TOP SEAL ALONG JOINTS DETERIORATED



TRANSVERSE CRACKING IN DECK OVER END BENTS UP TO .020" WIDE



TRANSVERSE CRACKING/LONGITUDINAL CRACKING IN DECK IN ALL SPANS UP TO .040" WIDE



HAIRLINE MAPCRACKING IN DECK IN ALL SPANS



PATCHES IN SPAN 3 DECK AT EAST END



EAST APPROACH ASPHALT WEARING SURFACE SETTLED 1"



SOUTHEAST WINGWALL BOARDS DECAYED AT END PORTION



SOUTHEAST WINGPILE HOLLOW



NORTHEAST WINGWALL BOARDS DECAYED AT END PORTION

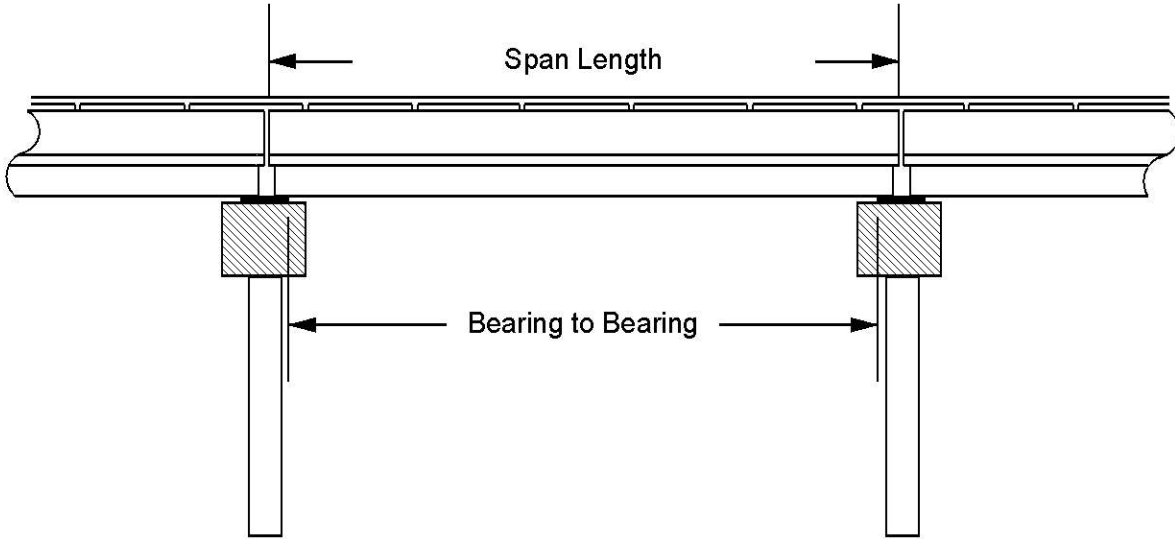


PATCHES IN SPAN 1 DECK AT WEST END

Structure Data Worksheet

Spans

County: ONFLOW Structure No: 660226 Date: 02/10/2012 Inspected By: BC



Span No	Span Length	Bearing to Bearing	Comments
1	17.833	17.0	
2	17.0	16.5	
3	17.667	16.333	

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 660226 County: ONSLOW Date: 02/10/2012 By: BC

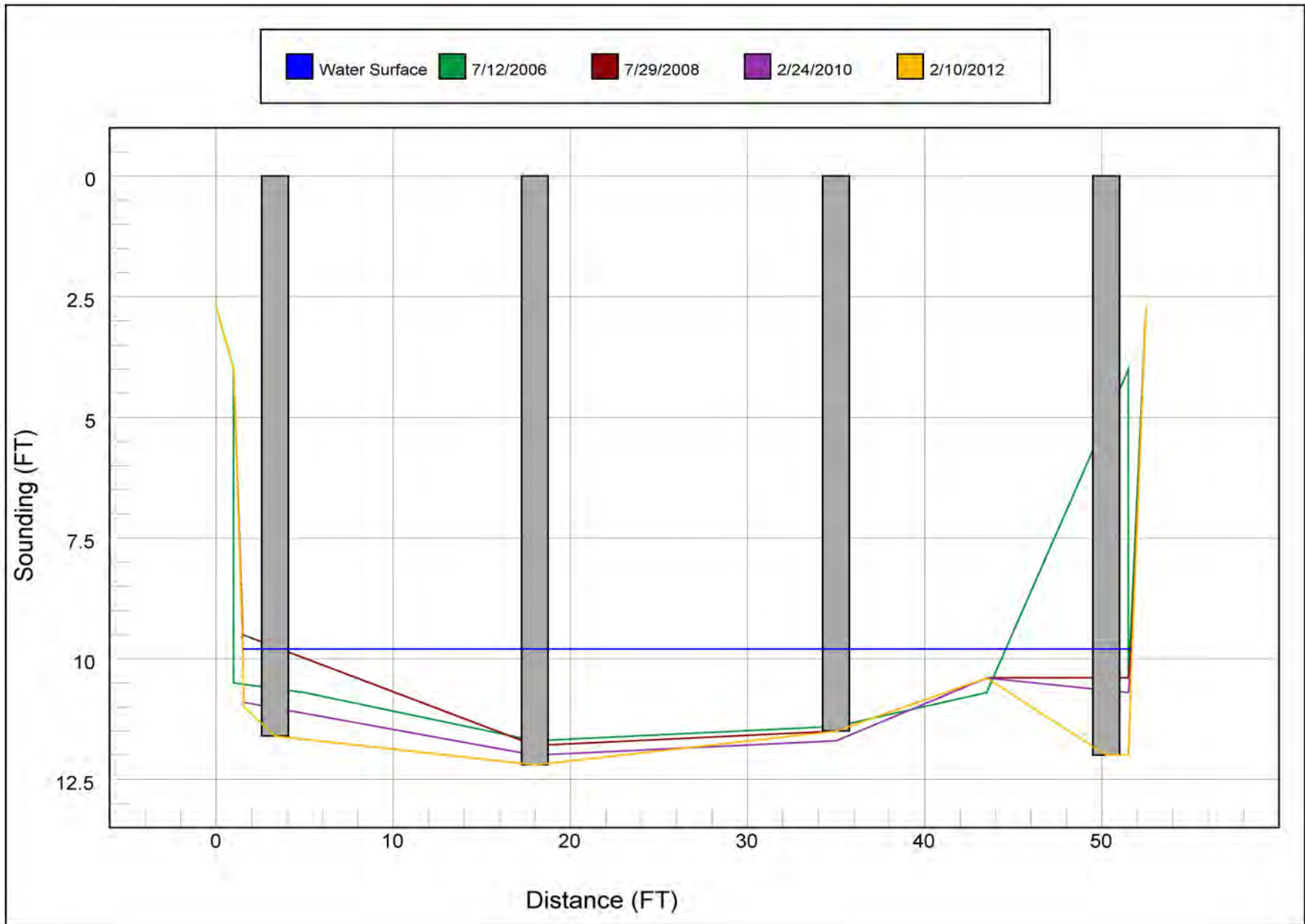
Record sounding from top of rail. Other location if needed: _____

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	2.7	TOP OF BULKHEAD			
1	4	TOP OF CAP			
1.5	9.8	WSWE			
1.55	11	STREAMBED	1.55	10.7	STREAMBED AT CAP
3.333	11.6	CRUTCH BENT 1	3.333	11.3	CRUTCH BENT 1
18	12.2	BENT 1	18	12.2	BENT 1
35	11.5	BENT 2	35	12	BENT 2
43.5	10.4				
50.25	12	CRUTCH BENT 2	50.25	11.2	CRUTCH BENT 2
51.5	12	STREAMBED	51.5	11.2	STREAMBED AT CAP
51.7	9.8	WS/WE			
52.5	2.7	TOP OF BULKHEAD			

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



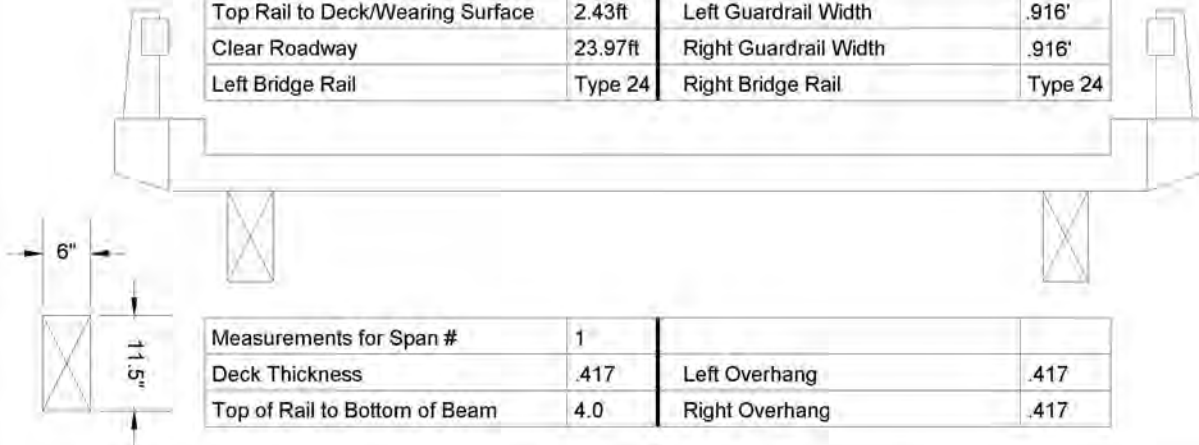
Roadway	18.0ft Wide	2 Paved Lanes	Looking East
Left Shoulder	6ft Wide		6ft Unpaved
Right Shoulder	6ft Wide		6ft Unpaved
Left Guardrail			
Right Guardrail			

VERIFIED BY RGM ON 2-10-12

Title		Description	
APPROACH ROADWAY		LOOKING EAST	
Bridge No: 660226	Drawn By: EPH	Date: 07/29/2008	File Name: S0222000287

Bridge Inspection Field Sketch

Deck Width/Out to Out	25.184ft	Wearing Surface	
Between Rails	25.333ft	Median Width	
Curb Height	.74ft	Median Height	
Top Rail to Deck/Wearing Surface	2.43ft	Left Guardrail Width	.916'
Clear Roadway	23.97ft	Right Guardrail Width	.916'
Left Bridge Rail	Type 24	Right Bridge Rail	Type 24

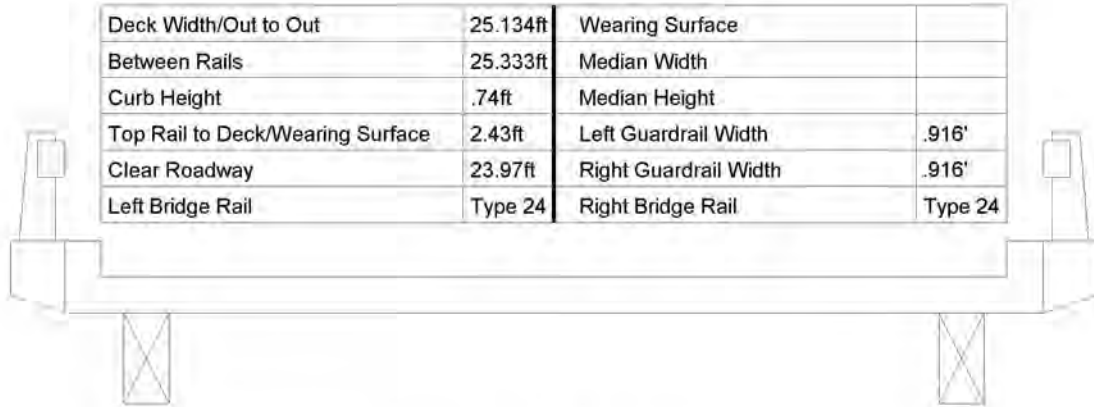


Beam No	Beam Type	Spacing	Comments
1	Timber (Rectangular)	1.80ft	NEW JOIST SIZE- 5.5" W X 11.5" H
2	Timber (Rectangular)	1.35ft	
3	Timber (Rectangular)	1.27ft	
4	Timber (Rectangular)	1.38ft	
5	Timber (Rectangular)	1.32ft	
6	Timber (Rectangular)	1.33ft	
7	Timber (Rectangular)	1.35ft	
8	Timber (Rectangular)	1.32ft	
9	Timber (Rectangular)	1.33ft	
10	Timber (Rectangular)	1.34ft	
11	Timber (Rectangular)	1.29ft	
12	Timber (Rectangular)	1.38ft	
13	Timber (Rectangular)	1.33ft	
14	Timber (Rectangular)	1.35ft	
15	Timber (Rectangular)	1.28ft	
16	Timber (Rectangular)	1.34ft	
17	Timber (Rectangular)	1.29ft	
18	Timber (Rectangular)	1.30ft	
19	Timber (Rectangular)		

VERIFIED BY RGM ON 2-10-12

Title		Description	
TYPICAL SECTION		LOOKING EAST	
Bridge No: 660226	Drawn By: EPH	Date: 07/29/2008	File Name: S0222000288

Bridge Inspection Field Sketch



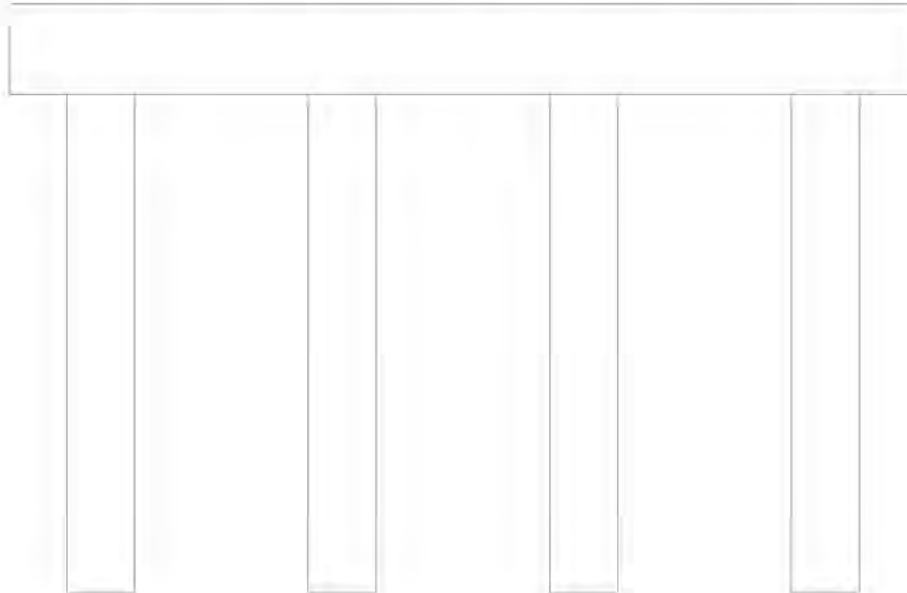
Measurements for Span #	2		
Deck Thickness	.417	Left Overhang	.417
Top of Rail to Bottom of Beam	4.0	Right Overhang	.417

Beam No	Beam Type	Spacing	Comments
1	Timber (Rectangular)	1.25ft	MEASUREMENTS SPAN 2
2	Timber (Rectangular)	1.32ft	
3	Timber (Rectangular)	1.32ft	NEW JOIST SIZE - 5.5" WIDE X 11.5" HIGH
4	Timber (Rectangular)	1.32ft	
5	Timber (Rectangular)	1.30ft	
6	Timber (Rectangular)	1.35ft	
7	Timber (Rectangular)	1.34ft	
8	Timber (Rectangular)	1.32ft	
9	Timber (Rectangular)	1.32ft	
10	Timber (Rectangular)	1.36ft	
11	Timber (Rectangular)	1.29ft	
12	Timber (Rectangular)	1.35ft	
13	Timber (Rectangular)	1.31ft	
14	Timber (Rectangular)	1.34ft	
15	Timber (Rectangular)	1.34ft	
16	Timber (Rectangular)	1.31ft	
17	Timber (Rectangular)	1.35ft	
18	Timber (Rectangular)	1.81ft	
19	Timber (Rectangular)		

VERIFIED BY RGM ON 2-10-12

Title		Description	
TYPICAL SECTION SPAN 2		LOOKING EAST	
Bridge No: 660226	Drawn By: EPH	Date: 07/29/2008	File Name: S0222000289

Bridge Inspection Field Sketch



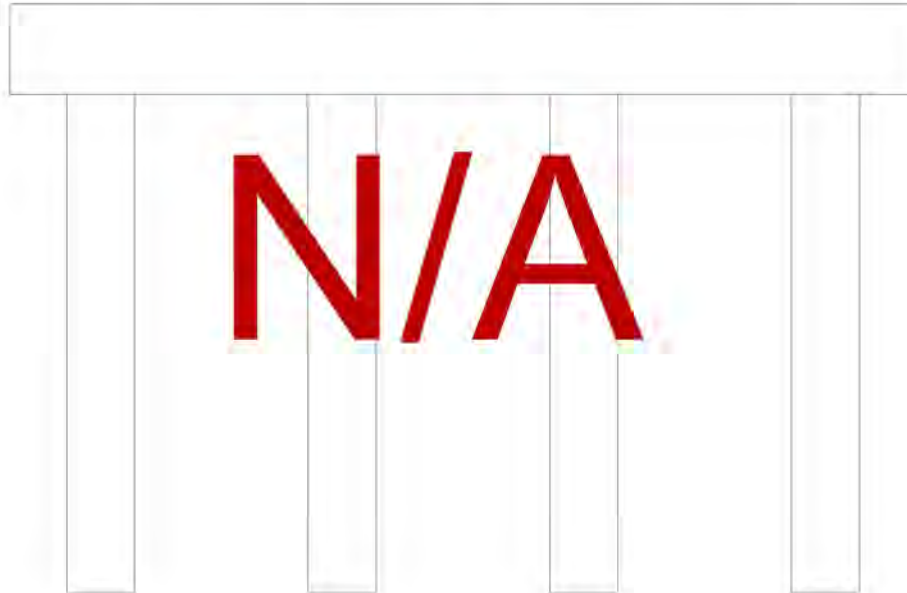
Bent #	1	Bents 2 similar	
Cap - Beam Type (Wood or Steel)			
Cap Size	26.15ft Long	.958ft Wide	.958ft High
Left Overhang	1.1ft	Lt Cap/Beam Overhang	.7ft
Right Overhang	.75ft	Rt Cap/Beam Overhang	.5ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	7.8		1.0		Vertical
2	Wood or Timber	Pile Bent	8.3		1.0		Vertical
3	Wood or Timber	Pile Bent	8.2		1.0		Vertical
4	Wood or Timber	Pile Bent					Vertical

VERIFIED BY RGM ON 2-10-12

Title	Description
PILE DIAGRAM	LOOKING EAST
Bridge No: 660226	Drawn By: EPH
Date: 07/29/2008	File Name: S0222000290

Bridge Inspection Field Sketch



Abutment #	1	Abutment 2 similar	
Cap - Beam Type (Wood or Steel)			
Cap Size	26.15ft Long	.958ft Wide	.958ft High
Left Overhang	1.15ft	Lt Cap/Beam Overhang	.7ft
Right Overhang	1.2ft	Rt Cap/Beam Overhang	.5ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	8.6		1.0		Vertical
2	Wood or Timber	Pile Bent	7.0		1.0		Vertical
3	Wood or Timber	Pile Bent	8.2		1.0		Vertical
4	Wood or Timber	Pile Bent			1.0		Vertical

VERIFIED BY RGM ON 2-24-10

Title	Description
PILE DIAGRAM END BENT1	LOOKING EAST
Bridge No: 660226	Drawn By: EPH
Date: 07/29/2008	File Name: S0222000291

Bridge Inspection Field Sketch

LOOKING WEST ↑

END BENT 1



PILES PUSHING OUT TO THE EAST

END BENT 2 PILES SIMILAR OF THIS CONDITION

Title		Description	
PRIORITY MAINT. 1		END BENT 1 PILES	
Bridge No: 660226	Drawn By: BC	Date: 2/25/2010	File Name: S0038000745

Bridge Inspection Field Sketch

AREA OF DECAY

J-1 IN SPAN 1

BENT 1

J-1

REPAIRED

LOOKING SOUTH

Title

PRIORITY MAINT. 2

Description

J-1 IN SPAN 1 AT BENT 1

Bridge No: 660226

Drawn By: BC

Date: 2/25/2010

File Name: S0038000746

Bridge Inspection Field Sketch



Cap Information			Material Steel							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
30.041 ft.	1.000 ft.	1.000 ft.	1.250 ft.	.583 ft.	2.833 ft.	2.250 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	Steel	8.250 ft.	.833 ft.			Vertical	Yes	No	No	No
2	Steel	10.958 ft.	.833 ft.			Vertical	Yes	No	No	No
3	Steel	9 ft.	.833 ft.			Vertical	Yes	No	No	No
4	Steel		0.833 ft.			Vertical	Yes	No	No	No
Bent/Abutment #: 1		Similar Bents:								

Title CRUTCH BENT 1			Description LOOKING EAST			
Bridge No: 660226	Drawn By: RGM	Date: 2/10/2012	File Name: S0042061830			

Bridge Inspection Field Sketch



Cap Information			Material Steel							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
29.500 ft.	1.000 ft.	1.000 ft.	1.000 ft.	.917 ft.	2.083 ft.	2.458 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	Steel	7.583 ft.	.833 ft.			Vertical	Yes	No	No	No
2	Steel	10.833 ft.	.833 ft.			Vertical	Yes	No	No	No
3	Steel	9.167 ft.	.833 ft.			Vertical	Yes	No	No	No
4	Steel		0.833 ft.			Vertical	Yes	No	No	No
Bent/Abutment #: 2			Similar Bents:							

Title CRUTCH BENT 2			Description LOOKING EAST			
Bridge No: 660226	Drawn By: RGM	Date: 2/10/2012	File Name: S0042061831			



STEEL CRUTCH BENT IN PLACE AT END BENT 1



BENT 2 BENT 1 SIMILAR



SPAN 1 UNDERSIDE



SPAN 2 UNDERSIDE



SPAN 3 UNDERSIDE



SOUTH END OF BENT 1



LOOKING EAST



CLOSE UP OF WEIGHT LIMIT SIGN



UPSTREAM SOUTH



DOWNSTREAM NORTH



BENT 1 JOINT BENT 2 JOINT SIMILAR



LOOKING WEST



NORTH SIDE



SOUTH SIDE