



NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
BRIDGE MANAGEMENT UNIT

ATTENTION

PRIORITY MAINTENANCE ISSUED (VOID IN  
SHOULDER)

# BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY BERTIE BRIDGE NUMBER 070024 INSPECTION CYCLE 2 YRS  
ROUTE NC11 ACROSS CASHIE RIVER M.P. 0

LOCATION 1.6 MI.N.JCT.NC308

SUPERSTRUCTURE RC CONTINUOUS

SUBSTRUCTURE EBTS:RC CAP/PPC.PILES;IBTS:RC CAP/PPC PILES

SPANS 3@30'CONTINUOUS

LONGITUDE 77° 9' 54.49"

LATITUDE 36° 8' 35.87"

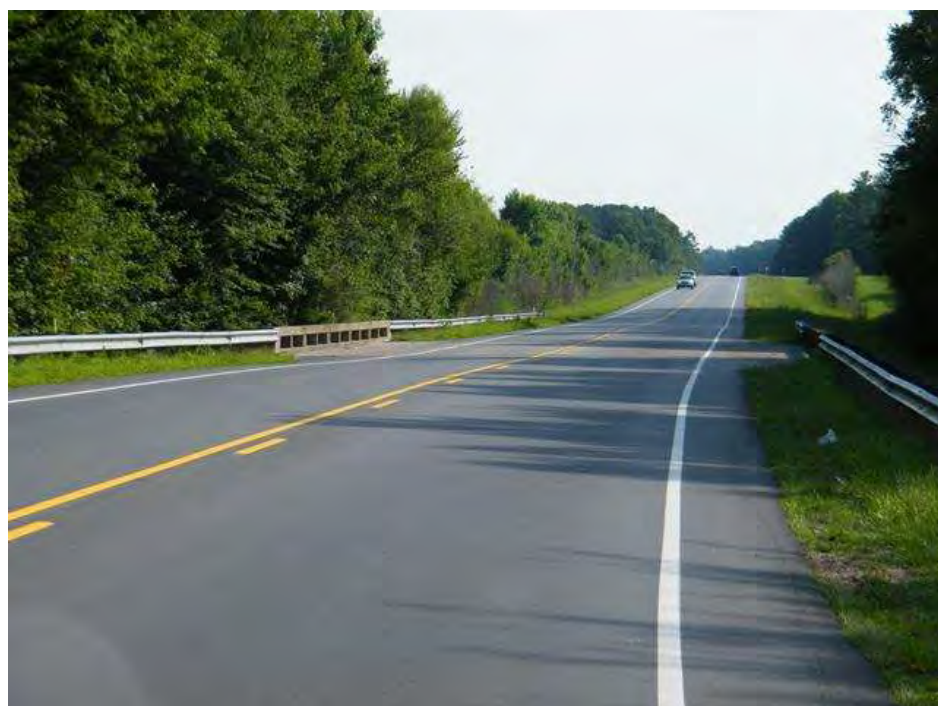
INSPECTION DATE 07/07/2014

PRESENT CONDITION FAIR

PRESENT POSTING Not Posted Not Posted

PROPOSED POSTING

OTHER SIGNS PRESENT NONE



LOOKING NORTH

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

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: 09/04/2014

IDENTIFICATION							
(1) STATE NAME -NORTH CAROLINA	BRIDGE	070024		SUFFICIENCY RATING =	78.45		
(8) STRUCTURE NUMBER(FEDERAL)		00000000150024		STATUS =	Not Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31000110					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2					
(3) COUNTY CODE	15	(4) PLACE CODE	0				
(6) FEATURE INTERSECTED - CASHIE RIVER							
(7) FACILITY CARRIED NC11							
(9) LOCATION 1.6 MI.N.JCT.NC308							
(11)MILEPOINT		0					
(16)LAT 36° 8' 35.87"	(17)LONG	77° 9' 54.49"					
(98)BORDER BRIDGE STATE CODE		PCT SHARE					
(99)BORDER BRIDGE STRUCTURE NO							
STRUCTURE TYPE AND MATERIAL				CLASSIFICATION			
(43) STRUCTURE TYPE MAIN: Concrete continuous				(112)NBIS BRIDGE SYSTEM -	YES		
TYPE - Slab		CODE 201		(104)HIGHWAY SYSTEM	Is not on NHS	0	
(44) STRUCTURE TYPE APPR :				(26) FUNCTIONAL CLASS -	Minor Arterial	06	
TYPE -		CODE 000		(100)STRAHNET HIGHWAY -	Not a STRAHNET Route	0	
(45) NUMBER OF SPANS IN MAIN UNIT		3		(101)PARALLEL STRUCTURE -	No Parallel Structure	N	
(46) NUMBER OF APPROACH SPANS				(102)DIRECTION OF TRAFFIC -	2-way Traffic	2	
(107)DECK STRUCTURE TYPE - 1		CODE		(103)TEMPORARY STRUCTURE -			
(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	
				CONDITION			
				(58) DECK		5	
				(59) SUPERSTRUCTURE		5	
				(60) SUBSTRUCTURE		5	
				(61) CHANNEL & CHANNEL PROTECTION		5	
				(62) CULVERTS		N	
				LOAD RATING AND POSTING			
				(31) DESIGN LOAD	HS 20 + MOD	6	
				(63) OPERATING RATING METHOD -	Load Factor	1	
				(64) OPERATING RATING -	HS-38	69	
				(65) INVENTORY RATING METHOD -	Load Factor	1	
				(66) INVENTORY RATING -	HS-23	41	
				(70) BRIDGE POSTING -	No Posting Required	5	
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED		A	
				DESCRIPTION -	Open, No Restriction		
				APPRAISAL			
				(67) STRUCTURAL EVALUATION		5	
				(68) DECK GEOMETRY		9	
				(69) UNDERCLEARANCES,VERTI & HORIZ		N	
				(71) WATERWAY ADEQUACY		5	
				(72) APPROACH ROADWAY ALIGNMENT		8	
				(36) TRAFFIC SAFETY FEATURES		0000	
				(113)SCOUR CRITICAL BRIDGES		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	11400	(115) YEAR FUTURE ADT	2025
				INSPECTIONS			
				(90) INSPECTION DATE		07/07/2014	
				(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE	
				A) FRACTURE CRIT DETAIL -	NO	A)	
				B) UNDERWATER INSP -	YES 48Mo	B) 07/28/2014	
				C) OTHER SPECIAL INSP	NO	C)	
				SCOUR			
AGE AND SERVICE							
(27) YEAR BUILT		1971					
(106)YEAR RECONSTRUCTED							
(42) TYPE OF SERVICE : ON - Highway							
UNDER - Waterway		CODE 15					
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE		0					
(29) AVERAGE DAILY TRAFFIC		5700					
(30) YEAR OF ADT 2011	(109) TRUCK ADT PCT	8%					
(19) BYPASS OR DETOUR LENGTH		11 MI					
GEOMETRIC DATA							
(48) LENGTH OF MAXIMUM SPAN		30 FT					
(49) STRUCTURE LENGTH		90 FT					
(50)CURB OR SIDEWALK: LEFT 0 FT RIGHT		0 FT					
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		44 FT					
(52) DECK WIDTH OUT TO OUT		46.583 FT					
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		28 FT					
(33) BRIDGE MEDIAN - No Median		CODE 0					
(34) SKEW 8°	(35) STRUCTURE FLARED	0					
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT					
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		44 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					

## BRIDGE MANAGEMENT UNIT

## DATA ON EXISTING STRUCTURE

Run Date: 09/04/2014

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
BERTIE	1	2	070024	90	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
NC11	CASHIE RIVER

LOCATED :	BRIDGE NAME :	CITY :
1.6 MI.N.JCT.NC308		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
06	FA	NFA	5700 2011	LT 201 RT 201

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1971	SHC	8.1107806	S-1194(12)	HS 20 + MOD

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :	UNDER :
			TAN.	82	ON 2	0

NAVIGATION :	HT. CRN. TO BED :	WATER DEPTH :
VC 0 FT HC 0 FT	19 FT	11 FT

SUPERSTRUCTURE :	RC CONTINUOUS
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SUBSTRUCTURE :	EBTS:RC CAP/PPC.PILES;IBTS:RC CAP/PPC PILES
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SPANS :	3@30'CONTINUOUS
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BEAMS OR GIRDERS :	RC CONT. SLAB SECTIONS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
1'8 RC/NO AWS		46.583 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
44 FT	44 FT	LT 0 FT RT 0 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-23	HS-38	Mono.Slab	SV		

SYSTEM :	GREEN LINE ROUTE :
Primary N.C. Route	Y

UNDER ROUTES AND CLEARANCES

REMARKS :

# BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection

BRIDGE NO. 070024 COUNTY BERTIE

ROUTE NC11

OVER CASHIE RIVER

STRUCTURE TYPE RC CONTINUOUS

ROUTE ORIENTATION S - N

SPANS 3@30'CONTINUOUS

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			G	45. CHANNEL & CHANNEL PROT.	a. WATERWAY	F	
					b. ALIGNMENT	G	
					c. SCOUR	F	
					d. SLOPE PROT., RIP-RAP, DIKES, ETC.	P	
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			F
	c. STEEL PLANK			52. PAINT SYSTEM CODE			
	d. OPEN GRID			53. UTILITIES			
3. RAILING	a. CONCRETE		F	54. RESPONSE TO LIVE LOAD			G
	b. TIMBER			55. ESTIMATED REMAINING LIFE			24
	c. ALUMINUM						
	d. STEEL						
4. CURBS, WHEELGUARDS, PARAPETS, MEDIANS			F	60. REGULATORY SIGN NOTICE ISSUED			NO
5. WALKWAYS (ON OR ATTACHED TO STRUCTURE)				61. PROMPT-ACTION NOTICE ISSUED			YES
6. DECK EXP JTS. OR DEVICES. NO. OF EACH	a. STEEL PL OR FINGER			62. PRESENTLY POSTED			NO
	b. MISC PREFAB			63. TOT. FIELD INSP TIME (INCLUDE WRITE UP)(MAN HR)			3
	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	5	
10. LONGITUDINAL BEAMS OR GIRDERS			F	b. SUPERSTRUCTURE	ITEM 59	5	
11. LONGITUDINAL JOIST OR STRINGERS				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				71. SI&A FIELD APPRAISAL RATINGS			
14. FLOOR BEAMS AND CONNECTIONS				a. WATERWAY ADAQUACY		5	
15. BEARING ASSEMBLIES (INCLUDING MISALIGN)				b. APPR. RDWY. ALIGNMENT		8	
16. DRAINAGE SYSTEM (ON STRUCTURE)			F	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			SNOOPER (CODE S, 4, OR N)		HRS	NO
	b. PILES, POST, SILLS, & BRACING			LADDER			NO
	c. BULKHEADS, WING'S, & TIE BACKS			BUCKET TRUCK			NO
36. CONC SUB STR.	a. ABUT. & INT. BENT CAPS	F		BOAT			NO
	b. ABUT. & BENT COL'S BREASTWALLS			OTHER			NO
	c. ABUT. & INT. BENT PILES	F					
	d. BACKWALLS, WING'S, RETAIN. WALLS	F					
	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)			F				
40. FENDER SYSTEMS				80. INSPECTED BY:	<i>John D. Deane</i>		
41. DRIFT			F	81. REVIEWED BY:			

Bridge I&A Form 1(82)H State of North Carolina Dept. of Transportation Division of Highways		<h1 style="text-align: center;">FIELD INSPECTION REPORT</h1> <p style="text-align: center;"><u>Bridge Inspection &amp; Analysis</u></p>	
Team Leader    Z.S. DUNLOW			
Assisted By    G.L. HARRINGTON			
Item No.	Grade		
1	G	WEARING SURFACE MISSING IN AREAS IN SPAN 1, NORTHBOUND LANE. 0.010' EPOXY WEARING SURFACE ADDED.	
2a	F	CRACKS NOTED IN PREVIOUS INSPECTIONS NOT VISIBLE DUE TO EPOXY WEARING SURFACE.	
3a	F	RIGHT RAIL SPALLED AT END BENT 1. CRACKED, SPALLED, AND DELAMINATED AREA WITH RESTEEL EXPOSED IN EXTERIOR OF LEFT RAIL AT END BENT 1.	
4	F	MAP CRACKING WITH EFFLO IN CURBS.	
7	F	TRASH AND DEBRIS ADJACENT CURBS.	
10	F	SEE ITEM 2a.	
10A	NO	NO CURVED GIRDERS.	
16	F	DEBRIS IN DRAINS.	
36a	F	MAP CRACKING IN ENDS OF CAPS.	
36c	F	FROM UNDERWATER INSPECTION OF 8/18/2010: SCALING TO 1/4".	
39	F	GROUT AND SAND BAGS AT ENDBENTS.	
41	F	FROM UNDERWATER INSPECTION OF 8/18/2010: SLOPE PROTECTION IS NOW PROVIDED BY A DETIORATING SANDBAG, RIP-RAP, AND GROUT HEADWALL. ORIGINAL SLOPE PROTECTION IS NOW IN STREAM UNDER STRUCTURE. DRIFT AT END BENT 1 ON RIGHT SIDE. FROM UNDERWATER INSPECTION OF 8/18/2010: DRIFT AND OLD SUBSTRUCTURE THROUGHOUT WATERWAY FROM M/L UP 4'.	

Bridge I&A Form 1(82)H State of North Carolina Dept. of Transportation Division of Highways		<h2 style="text-align: center;">FIELD INSPECTION REPORT</h2> <p style="text-align: center;"><u>Bridge Inspeccion &amp; Analysis</u></p>	
Team Leader   Z.S. DUNLOW			
Assisted By   G.L. HARRINGTON			
Item No.	Grade		
45a	F	SLOPE PROTECTION IN STREAM UNDER SPAN 3.	
45c	F	FROM UNDERWATER INSPECTION OF 8/18/2010: ORIGIONAL CONCRETE APRONS AT END BENTS HAVE FAILED. SANDBAGS, RIP-RAP, AND GROUT REPAIR IS DETIORATING DUE TO SCOUR.	
45d	P	FROM UNDERWATER INSPECTION OF 8/18/2010: SLOPE PROTECTION IS NOW PROVIDED BY A DETIORATING SANDBAG, RIP-RAP, AND GROUT HEADWALL. ORIGINAL SLOPE PROTECTION IS NOW IN STREAM UNDER STRUCTURE.	
50	F	VOID ON LEFT SIDE AT END BENT 2. AREA IS GREATER THAN 6' WIDE AND 1' TALL. PRIORITY MAINTENANCE ISSUED.	
51	F	HAS BEEN MUDJACKED AT SOUTH END AT END BENT 1.	
61	YES	PRIORITY MAINTENANCE ISSUED FOR VOID AT END BENT 2.	
62	NO	PRESENTLY POSTED, NOT POSTED.	
71a	5	FROM UNDERWATER INSPECTION OF 8/18/2010: STREAM IS RESTRICTED CAUSING SCOUR.	


## BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 070024

County BERTIE

Date: 07/07/2014

These Repairs Should Be Made Within Twelve Months From Date Of This Inspection

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3352	Maint Slope Protection	SF	<del>6</del> <b>75E</b> <b>9-2-14</b>	STRUCTURE HAS NO POSTED WEIGHT LIMIT. INTERIOR VIEW OF VOID ON LEFT SIDE AT END BENT 2. AREA IS GREATER THAN 6' WIDE AND 1' TALL. PRIORITY MAINTENANCE ISSUED. TOP VIEW OF VOID ON LEFT SIDE AT END BENT 2. AREA IS GREATER THAN 6' WIDE, 1' TALL, AND IS LOCATED 18" FROM PAVEMENT.	
3318	Maint to Concrete Handrail	LF	2	RIGHT RAIL SPALLED AT END BENT 1; CRACKED, SPALLED, AND DELAMINATED AREA WITH RESTEEL EXPOSED IN EXTERIOR OF LEFT RAIL AT END BENT 1.	
3366	Drift and Debris Removal	HR	3	DRIFT AT END BENT 1 ON RIGHT SIDE; SLOPE PROTECTION IN STREAM UNDER SPAN 3.	
3376	Clean/Wash Bridge Decks	SF	20	TRASH AND DEBRIS ADJACENT CURBS.	

### Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

## BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 070024

County BERTIE

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

MMS Code	MMS Description	Quantity
3352	Maint Slope Protection	6 SF
Location:		
Slope                      Bent/Span No.    2                      LEFT SHOULDER		
Priority Level	Status	
Priority Maintenance	SIA Updates in Process	
Submitted Date:	Submitted By:	Assisted By:
07/07/2014	Z.S. DUNLOW	G.L. HARRINGTON
Details		
<p>STRUCTURE HAS NO POSTED WEIGHT LIMIT. INTERIOR VIEW OF VOID ON LEFT SIDE AT END BENT 2. AREA IS GREATER THAN 6' WIDE AND 1' TALL. PRIORITY MAINTENANCE ISSUED. TOP VIEW OF VOID ON LEFT SIDE AT END BENT 2. AREA IS GREATER THAN 6' WIDE, 1' TALL, AND IS LOCATED 18" FROM PAVEMENT.</p>		





RIGHT RAIL SPALLED AT END BENT 1.



WEARING SURFACE MISSING IN AREAS IN SPAN 1, NORTHBOUND LANE.





CRACKED, SPALLED, AND DELAMINATED AREA WITH RESTEEL EXPOSED IN EXTERIOR OF LEFT RAIL AT  
END BENT 1.



TRASH AND DEBRIS ADJACENT CURBS.





MAP CRACKING WITH EFFLO IN CURBS.



INTERIOR VIEW OF VOID ON LEFT SIDE AT END BENT 2. AREA IS GREATER THAN 6' WIDE AND 1' TALL.  
PRIORITY MAINTENANCE ISSUED.





TOP VIEW OF VOID ON LEFT SIDE AT END BENT 2. AREA IS GREATER THAN 6' WIDE, 1' TALL, AND IS LOCATED 18" FROM PAVEMENT.



DRIFT AT END BENT 1 ON RIGHT SIDE.

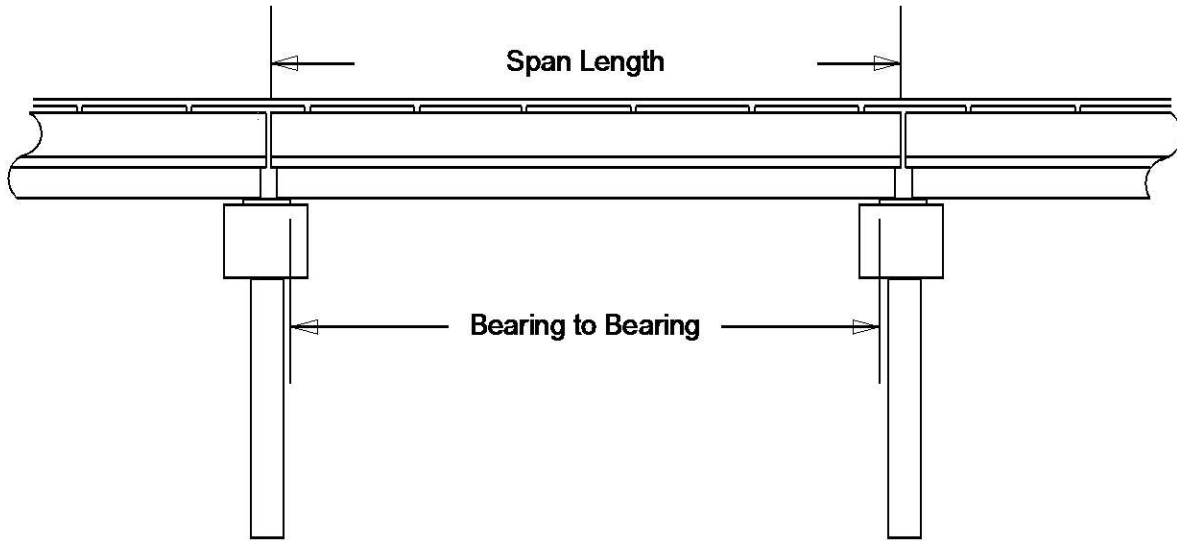


SLOPE PROTECTION IN STREAM UNDER SPAN 3.

# Structure Data Worksheet

Spans

County: BERTIE      Structure No: 070024      Date: 07/07/2014      Inspected By: ZSD



Span No	Span Length	Bearing to Bearing	Comments
1	30'	30'	NBIS IS 84 '
2	30'	30'	
3	30'	30'	

# Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 070024 County: BERTIE Date: 07/07/2014 By: ZSD

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

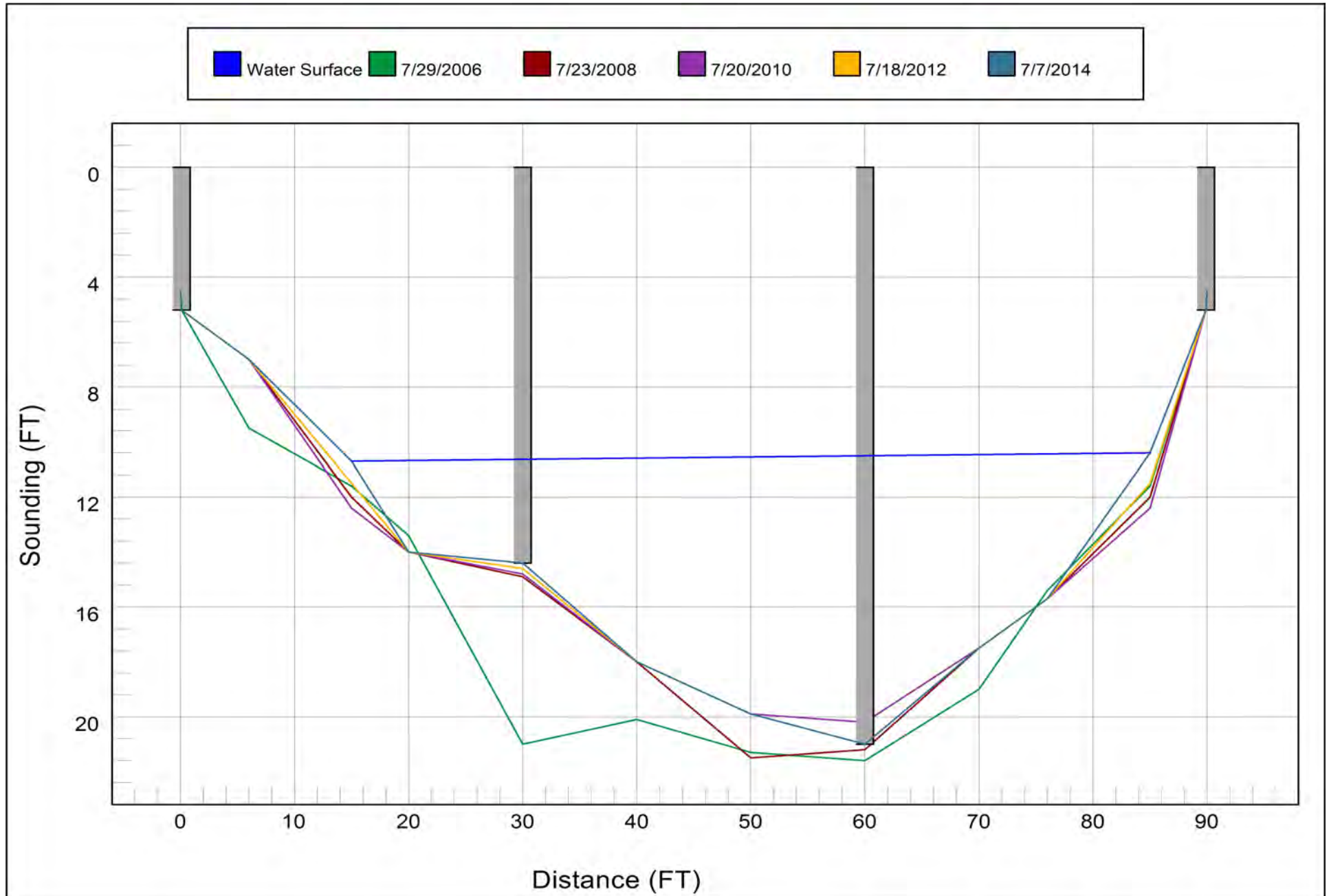
Distance from Highwater Mark to top of rail: \_\_\_\_\_ Location of Highwater Mark: \_\_\_\_\_

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	4.5	TOP OF CAP			
0.1	5.2	END BENT 1	0.1	5.2	END BENT 1
6	7	GROUND			
15	10.7	WSWE			
20	14	GROUND			
30	14.4	BENT 1	30	14.1	BENT 1
40	18	GROUND			
50	19.9	GROUND			
60	21	BENT 2	60	21	BENT 2
70	17.5	GROUND			
76	15.7	GROUND			
85	10.4	WSWE			
89.9	5.2	END BENT 2	89.9	5.2	END BENT 2
90	4.5	TOP OF CAP			



## 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	2ft Paved	6ft Unpaved
Right Shoulder	8ft Wide	2ft Paved	6ft Unpaved
Left Guardrail	4ft from road		
Right Guardrail	4ft from road		

### Title

APPROACH ROADWAY

### Description

APPROACH ROADWAY

Bridge No: 070024

Drawn By: GLH

Date: 07/7/2014

File Name: S0030000289

# Bridge Inspection Field Sketch

Deck Width/Out to Out	46.583ft	Wearing Surface	0.010'
Between Rails	44ft	Median Width	
Curb Height	0.573ft	Median Height	
Top Rail to Deck/Wearing Surface	2.323ft	Left Guardrail Width	1ft
Clear Roadway	44ft	Right Guardrail Width	1ft
Left Bridge Rail	Type 2	Right Bridge Rail	Type 2
1/8" EPOXY WEARING SURFACE ADDED. 7/7/14. ZSD			

Measurements for Span #	1		
Deck Thickness	1.667	Left Overhang	
Top of Rail to Bottom of Beam	4.417	Right Overhang	

## Title

TYPICAL SECTION

## Description

TYPICAL SECTION

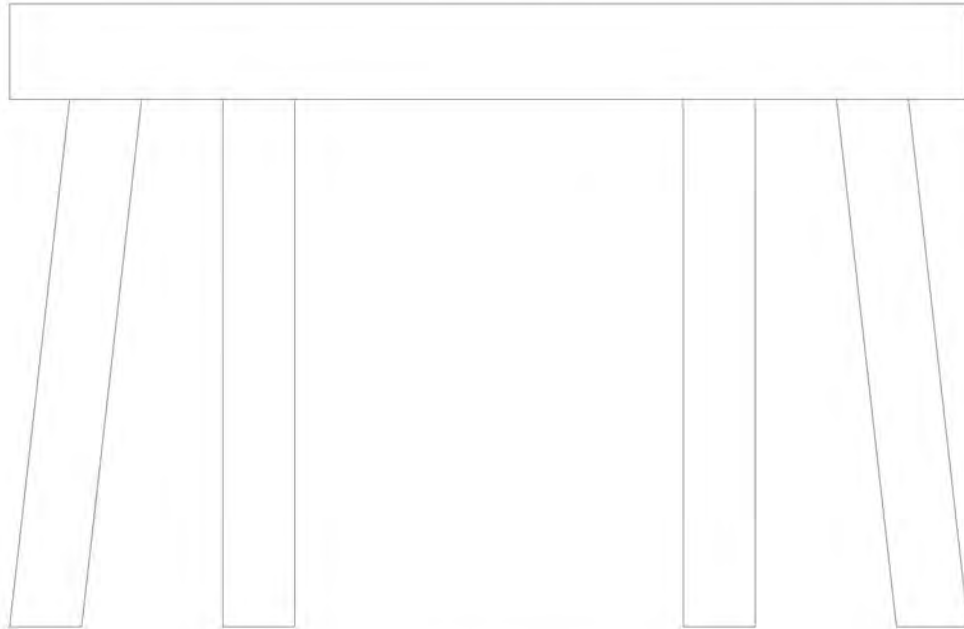
Bridge No: 070024

Drawn By: GLH

Date: 07/7/2014

File Name: S0030000290

# Bridge Inspection Field Sketch



Bent #	1	Bents 2 similar	
Cap - Pre-Cast			
Cap Size	38.667ft Long	3.333ft Wide	1.167ft High
Left Overhang	1.833ft	Lt Cap/Beam Overhang	0ft
Right Overhang	1.833ft	Rt Cap/Beam Overhang	0ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Prestressed Concrete	Pile Bent	3.5'		1'		Batter Pile
2	Prestressed Concrete	Pile Bent	3.5'		1'		Vertical
3	Prestressed Concrete	Pile Bent	3.5'		1'		Vertical
4	Prestressed Concrete	Pile Bent	3.5'		1'		Vertical
5	Prestressed Concrete	Pile Bent	3.5'		1'		Vertical
6	Prestressed Concrete	Pile Bent	3.5'		1'		Vertical
7	Prestressed Concrete	Pile Bent	3.5'		1'		Vertical
8	Prestressed Concrete	Pile Bent	3.5'		1'		Vertical
9	Prestressed Concrete	Pile Bent	3.5'		1'		Vertical
10	Prestressed Concrete	Pile Bent	3.5'		1'		Vertical
11	Prestressed Concrete	Pile Bent			1'		Batter Pile

## Title

SUBSTRUCTURE

## Description

PILE DIAGRAM FOR ALL BENTS

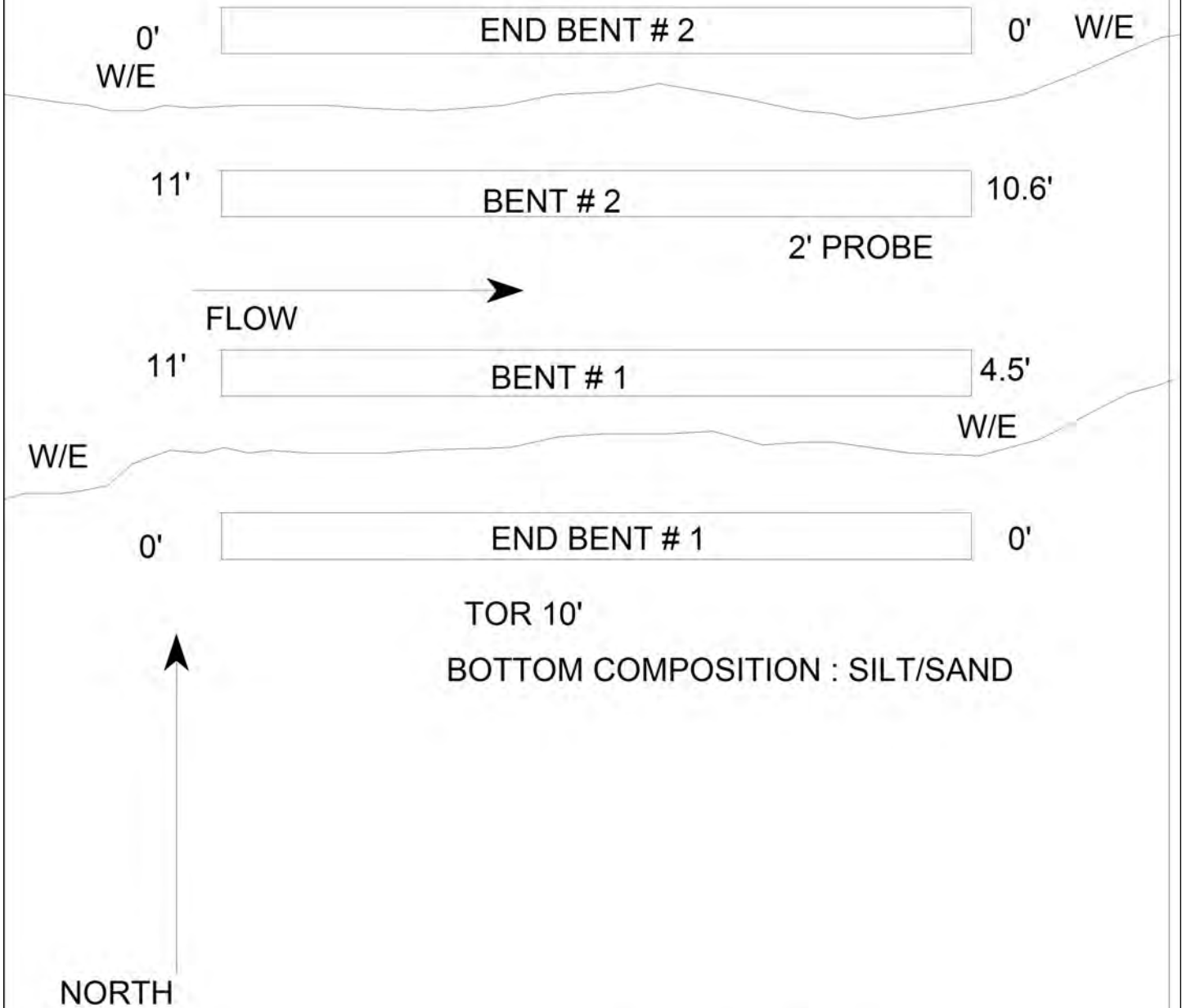
Bridge No: 070024

Drawn By: GLH

Date: 07/7/2014

File Name: S0030000291

# Bridge Inspection Field Sketch



REVISED ON 7/28/14

**Title**  
CHANNEL PLAN VIEW

**Description**  
CHANNEL PLAN VIEW

Bridge No: 070024

Drawn By: J.L

Date: 8/18/2010

File Name: S0166000336





GUARDRAIL END



GUARDRAIL POST





LOOKING NORTH



GUARDRAIL ATTACHMENT





STEEL SHEETING DRIVEN AT END BENT 1.



ROADWAY APPROACH





WEARING SURFACE



WEARING SURFACE





WEST SIDE



END BENT 1



GROUT AND SAND BAGS AT ENDBENTS.



BENT 1





BOTTOM OF DECK



BOTTOM OF DECK





0.010' EPOXY WEARING SURFACE ADDED.



LOOKING WEST DOWNSTREAM





LOOKING EAST UPSTREAM



LOOKING SOUTH



EAST SIDE



BENT 2





END BENT 1



SAND BAGS AND GROUT AT END BENT 1.