ATTENTION

BRIDGE INSPECTION REPORT

	INSPECTION TYPE:	Routine Inspection						
COUNTY	JOHNSTON	BRIDGE NUMBER 500056 INSPECTION CYCLE	2 YRS					
ROUTE _	US301&NC96	ACROSS HOLTS LAKE(BLACK CREEK)	M.P. 0					
LOCATION	0.7 MI N JCT US701							
SUPERST	RUCTURE REINFORCED CONC	RETE DECK GIRDERS						
SUBSTRU	CTURE RC ABUTS;BTS:RNP	&W PIERS EXTENDED W/BRACKETS						
SPANS	4@52'6							
LONGITUE	DE 78° 23' 4.2"	LATITUDE 35° 28' 8.8"						
PRESENT	CONDITION FAIR	INVENTORY RATING						
INSPECTION	ON DATE 03/18/2010	OPERATING RATING						
PRESENT	POSTING Not Posted	PROPOSED POSTING	PROPOSED POSTING					
COMPUTE	ER UPDATE	ANALYSIS DATE	ANALYSIS DATE					
POSTING	I FTTER DATE	SUFFICIENCY RATING	SUFFICIENCY RATING					



SIGN NOTICE ISSUED FOR REQUIRED

No WEIGHT LIMIT

No DELINEATORS

No NARROW BRIDGE

No ONE LANE BRIDGE

No LOW CLEARANCE

LOOKING NORTH

OTHER SIGNS PRESENT NONE

NATIONAL BRIDGE INVENTORY------ STRUCTURE INVENTORY AND APPRAISAL Run Date: 05/27/2010

IDENTIFICATION —	
(1) STATE NAME -NORTH CAROLINA BRIDGE 500056	SUFFICIENCY RATING = 42.1
(8) STRUCTURE NUMBER(FEDERAL) 000000001010056	STATUS = Not Deficient
INVENTORY ROUTE (ON/UNDER) - ON 121003010	
(2) STATE HIGHWAY DEPARTMENT DISTRICT 4	CLASSIFICATION ——— CODE
(3) COUNTY CODE 101 (4) PLACE CODE 00000	(112)NBIS BRIDGE SYSTEM - YES
(6) FEATURE INTERSECTED - HOLTS LAKE(BLACK CREEK)	(104)HIGHWAY SYSTEM NON NHS Route 0
(7) FACILITY CARRIED US301&NC96	(26) FUNCTIONAL CLASS - Other Principal Arterial 14
(9) LOCATION 0.7 MI N JCT US701	(100)STRAHNET HIGHWAY - Not a STRAHNET Route 0
(11)MILEPOINT	(101)PARALLEL STRUCTURE - No Parallel Structure N
(16)LAT 35° 28' 8.8" (17)LONG 78° 23' 4.2"	(102)DIRECTION OF TRAFFIC - 2-way Traffic 2
(98)BORDER BRIDGE STATE CODE PCT SHARE	(103)TEMPORARY STRUCTURE - Not Temporary
(99)BORDER BRIDGE STRUCTURE NO	(110)DESIGNATED NATIONAL NETWORK - Not Part of 0
	(20) TOLL On Free Road 3
STRUCTURE TYPE AND MATERIAL	• (31) MAINTAIN - State Highway Agency 01
(43) STRUCTURE TYPE MAIN: Concrete	(22) OWNER - State Highway Agency 01
TYPE - Tee Beam CODE 104	(37) HISTORICAL SIGNIFICANCE - Not Eligible 5
(44) STRUCTURE TYPE APPR :	
TYPE - CODE	CONDITION — CODE
(45) NUMBER OF SPANS IN MAIN UNIT	· /
(46) NUMBER OF APPROACH SPANS	(59) SUPERSTRUCTURE 6
(107)DECK STRUCTURE TYPE - Concrete cast-in-place CODE 1	· /
(108)WEARING SURFACE / PROTECTIVE SYSTEM:	(61) CHANNEL & CHANNEL PROTECTION 8
(A) TYPE OF WEARING SURFACE - Bituminous CODE 6	. ,
(B) TYPE OF MEMBRANE - None CODE 0	
(C) TYPE OF DECK PROTECTION - None CODE 0	
	(31) DESIGN LOAD H 15 2 • (64) OPERATING RATING - HS-19 135
AGE AND SERVICE	
(27) YEAR BUILT 1926 (106)YEAR RECONSTRUCTED 1954	. ,
(106)YEAR RECONSTRUCTED 1954 (42) TYPE OF SERVICE : ON - Highway	(70) BRIDGE POSTING - No Posting Required 5 (41) STRUCTURE OPEN, POSTED ,OR CLOSED A
UNDER - Waterway CODE 15 (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE	DESCRIPTION - Open, No Restriction
(29) AVERAGE DAILY TRAFFIC 10000	APPRAISAL CODE
(30) YEAR OF ADT 2008 (109) TRUCK ADT PCT 12 %	(67) STRUCTURAL EVALUATION 4
(19) BYPASS OR DETOUR LENGTH 8 MI	(68) DECK GEOMETRY 4
GEOMETRIC DATA	(69) UNDERCLEARANCES, VERTI & HORIZ N
(48) LENGTH OF MAXIMUM SPAN 53 FT	
(49) STRUCTURE LENGTH 210 FT	. ,
(50)CURB OR SIDEWALK: LEFT 1.6 FT RIGHT 1.6 FT	· /
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 28.4 FT	
(52) DECK WIDTH OUT TO OUT 31.7 FT	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 28.0 FT	
(33) BRIDGE MEDIAN - No Median CODE 0	(75) TYPE OF WORK - CODE
(34) SKEW 0° (35) STRUCTURE FLARED NO	(76) LENGTH OF STRUCTURE IMPROVEMENT 0 FT
(10) INVENTORY ROUTE MIN VERT CLEAR 99 FT 99 IN	• •
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 28.4 FT	(95) ROADWAY IMPROVEMENT COST
(53) MIN VERT CLEAR OVER BRIDGE RDWY 99 FT 99 IN	(96) TOTAL PROJECT COST
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad	(97) YEAR OF IMPROVEMENT COST ESTIMATE 20
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad 99.9 FT	(114)FUTURE ADT 20000 (115) YEAR FUTURE ADT 2025
(56) MIN LAT UNDERCLEAR LT REF - 0.0 FT	
NAVIOATION DATA	(90) INSPECTION DATE 03/18/2010
	(00) ODITION FEATURE INORECTION (00) OF DATE
	A) FRACTURE CRIT DETAIL - NO A)
(111)PIER PROTECTION - Not Applicable CODE (39) NAVIGATION VERTICAL CLEARANCE	, , , , , , , , , , , , , , , , , , ,
. ,	C) OTHER SPECIAL INSP NO C)
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR (40) NAVIGATION HORIZONTAL CLEARANCE	,
(40) NAVIGATION HORIZONTAL CLEARANCE	

BRIDGE I & A FORM1 (90)A

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection

BRIDGE NO. 500056 COUNTY JOHNSTON ROUTE US301&NC96 OVER HOLTS LAKE(BLACK CREEK)

STRUCTURE TYPE REINFORCED CONCRETE DECK GIRDERS

ROUTE ORIENTATION S - N SPANS 4@52'6

		CODE: 0-2	2 CRITICA	L, 3 & 4 POOR,	5 & 6 FAIR, 7-9 GOOD		
	INSPECTION ITEM				ITEM 6	1	
	DECK ITEMS	(GRADES	45. CHANNEL a. WATERWAY			8
1. WEARING	SURFACE		6	& CHANNEL PROT.	& CHANNEL b. ALIGNMENT		8
2. DECK NO.	a. CONCRETE	4	7]	c. SCOUR		8
OF EA TYPE SPN GRADE	b. TIMBER				d. SLOPE PROT., RIP-	RAP, DIKES, ETC.	
RATES SI & A	c. STEEL PLANK			50. APPROACH ROADWAY CONDITION		ON	6
ITEM 58	d. OPEN GRID			51. APPROAC	H SLABS		
3. RAILING	a. CONCRETE		6	52. PAINT SYS	STEM COI	DE	
	b. TIMBER			53. UTILITIES			5
	c. ALUMINUM			54. RESPONS	E TO LIVE LOAD		8
	d. STEEL			55. ESTIMATE	D REMAINING LIFE		10
4. CURBS, WI	HEELGUARDS, PARAPETS, MEDIA	ANS	6				
5. WALKWAY	S (ON OR ATTACHED TO STRUCT	URE)		60. REGULAT	ORY SIGN NOTICE ISSU	JED	NO
6. DECK EXP	a. STEEL PL OR FINGER			61. PROMPT-	ACTION NOTICE ISSUE	D	NO
JTS. OR	b. MISC PREFAB			62. PRESENT	LY POSTED		NO
DEVICES. NO. OF EACH	c. COMPRESSION SEAL			63. TOT. FIEL	D INSP TIME (INCLUDE	WRITE UP)(MAN HR)	6
	d. STANDARD JOINTS	3	6	64. TOTAL SN	OOPER INSP. TIME (HR	RS)	0
	e. OPEN JOINTS			65. TOTAL TR	AFFIC CONTROL TIME	(MAN HRS)	0
7. DECK DEBRIS (INCLUDES EXCESS SAND/GRAVEL)			6				
	SUPER STR. (FM. 1 (90)B TRUSS)	ITEM 59		a. DECK ITEM 58			7
10. LONGITUI	DINAL BEAMS OR GIRDERS		6	b. SUPERSTRUCTURE ITEM 59			6
11. LONGITUI	DINAL JOIST OR STRINGERS			c. SUBSTRUCTURE ITEM 60			5
12. INT. DIAP	'S, X-FRAMES, BRACING & CONN'	S	7	d. CHANNEL & CHANNEL PROT. ITEM 61			8
13. END DIAP	P'S, CURTAIN WALLS, & CONN'S		6				
14. FLOOR BE	EAMS AND CONNECTIONS			71. SI&A FIELD APPRAISAL RATINGS			
15. BEARING	ASSEMBLIES (INCLUDING MISALI	IGN)	7	a. WATERWAY ADAQUACY			
16. DRAINAG	E SYSTEM (ON STRUCTURE)		4	b. APPR. RDV	VY. ALIGNMENT		8
17. MOVABLE	SPAN MACHINERY						
			•	72. FIELD SC	0		
SI	UB STR. ITEMS. ITEM 60 (INCLUDE	E SCOUR)					
35. TIM SUB	a. ABUT. & INT. BENT CAPS & RI	SERS		ı	USE OF INSP. ACCESSIBILITY EQUIPMENT		
STR.	b. PILES, POST, SILLS, & BRACIN	٧G		SNOOPER (C	SNOOPER (CODE S, 4, OR N) HR		NO
	c. BULKHEADS, WING'S, & TIE BA	ACKS	5	LADDER		'	NO
36. CONC	a. ABUT. & INT. BENT CAPS		5	BUCKET TRU	ICK		NO
SUB STR.	b. ABUT. & BENT COL'S BREAST	WALLS	5	BOAT			YES
c. ABUT. & INT. BENT PILES			OTHER		NO		
d. BACKWALLS, WING'S, RETAIN. WALLS		5					
	e. ABUT. & BENT FOOTINGS & S	ILLS					
37. STEEL a. ABUT. & INT. BENT CAPS & RISERS			SPECIAL INS	PECTION REQUESTED	FOR		
SUB STR.	b. PILES, BRACING, AND BULKH	EADS					
38. FOUNDAT	TION PILES TYPE MATERIAL			NOTE			
39. SLOPE PF	ROT., RIP-RAP (INCLUDE DRAINAC	GE)	5				
40. FENDER S	SYSTEMS			80. INSPECTE	D BY:	With C My	
41. DRIFT			8	81. REVIEWEI	D BY:		

Bridge I&A Form 1(82)H

State of North Carolina Dept. of Transportation Division of Highways

FIELD INSPECTION REPORT

Bridge Inspecion & Analysis

Team Leader WILLIS C MAY

Assisted By WTW

7 toolotod By		
Item No.	Grade	
1	6	WEARING SURFACE: 6 TRANSVERSE, MAP CRACKS, AND DELAMINATION IN ASPHALT WEARING SURFACE ALONG EXPANSION JOINTS OVER INTERIOR BENTS. LONGITUDINAL CRACKS IN ASPHALT IN ALL SPANS.
2 a	7	CONCRETE DECK: 7 HAIRLINE CRACK WITH EFFLORESCENCE IN DECK OVERHANG AT SOUTHEAST CORNER.
3a	6	12 IN X 12 IN X 6 IN DEEP SPALL WITH EXPOSED REBAR AND 12 IN X 10 IN X 3 IN DEEP SPALL IN RIGHT OVERHANG AT BENT 3. CONCRETE RAILING: 6 WEATHERING AND SCALING OF RAIL WITH EXPOSED AGGREGATE. TOPS OF GUARDRAIL POSTS AT RIGHT SIDE GUARDRAIL ATTACHMENT IN SPAN 1 HAVE SURFACE SPALLS.
4	6	GUARDRAIL POST BASES OF SPAN 3 AND SPAN 4 OVER BENT 3 ARE SPALLED 4 IN. DEEP WITH EXPOSED REBAR. CURBS, 6 WEATHERING AND SCALING OF CURB WITH EXPOSED AGGREGATE. TRANSVERSE HAIRLINE CRACK IN CURBS, RANDOM THROUGHOUT.
7	6	DECK DEBRIS: 6 DEBRIS AND VEGETATION 6 IN. HIGH OUT 12 IN. ALONG CURBS.
10	6	LONGITUDINAL BEAMS: 6 SPAN 1 GIRDER 4 SPAN 1 HAS LONGITUDINAL AND TRANSVERSE CRACK WITH DELAMINATION IN 10 FT. LONG AT MIDPOINT. SPAN 2 10 IN X 2 IN X 1/2 IN DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF GIRDER 5, SPAN 2. 1/4 IN. LONGITUDINAL CRACK IN BOTTOM OF GIRDER 5 AT MIDSPAN.
16	4	DRAINAGE SYSTEM 4 ALL DRAIN HOLES ARE CLOGGED WITH DEBRIS AND VEGETATION.

Bridge	I&A	Form	1(82)H
04.4			•

FIELD INSPECTION REPORT

State of North Carolina Dept. of Transportation Division of Highways

Bridge Inspecion & Analysis

Team Leader WILLIS C MAY

Assisted By WTW

Assisted By	WTW	
Item No.	Grade	
36a	5	CONCRETE CAPS 5
		ABUTMENT 1- HAIRLINE TO 1/16 IN. HORIZONTAL CRACK AND MAP CRACKING WITH EFFLORESCENCE IN FACE OF ABUTMENT UNDER GIRDER 5. 3 FT. X 12 IN. X 12 IN. DEEP SPALL WITH EXPOSED REBAR IN ABUTMENT 1 CAP UNDER GIRDER 1.
		7 IN X 2 IN X 1 IN. DEEP SPALL WITH EXPOSED REBAR IN ABUTMENT CAP UNDER GIRDER 2.
		4 FT X 4 IN X 1 IN. DEEP SPALL WITH EXPOSED REBAR IN ABUTMENT CAP UNDER GIRDER 3.
		HAIRLINE VERTICAL CRACKS AT EACH SIDE OF GIRDERS 2,3,4 IN ABUTMENT 1 CAP AND DOWN INTO BREASTWALL.
		BENT 1- HAIRLINE TO 1/16 IN. HORIZONTAL CRACK AND 12 IN. X 6 IN. X 1 IN. DEEP SPALL WITH EXPOSED REBAR IN FACE OF BENT 1 CAP, SPAN 1 SIDE UNDER GIRDER 3. 1/8 IN CRACK WITH DELAMINATION UNDER GIRDER 4 SPAN 1 SIDE.
		BENT 2- 1/4 IN. DIAGONAL CRACK IN FACE CAP, SPAN 3 SIDE, RIGHT SIDE OF GIRDER 4 AT CORNER OF BUILDUP. HAIRLINE VERTICAL CRACKS AT G2 SPAN 3 SIDE.
		BENT 3- 12 IN. X 7 IN. X 1 IN. DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF BENT CAP, SPAN 3 SIDE BETWEEN GIRDERS 3 AND 4. HAIRLINE TO 1/16 IN. HORIZONTAL CRACK WITH DELAMINATION IN FACE OF CAP, SPAN 3 SIDE BETWEEN GIRDERS 3 AND 4.
36b	5	BREASTWALLS 5 ABRASION WITH EXPOSED COARSE AGGREGATE IN FACES. ABUTMENT 1
		VERTICAL HAIRLINE CRACKS IN FACE OF BREASTWALL EXTENDING DOWN FROM GIRDERS 2,3, 4. SOLID WEBS IN INTERIOR BENTS HAVE HAIRLINE VERTICAL CRACKS IN FACES BETWEEN COLUMNS.
36d	5	CONCRETE RETAINING WALLS 5 ABUTMENT 1 2 FT. OF EROSION BEHIND LEFT WINGWALL AT ABUTMENT 1.
		HAIRLINE DIAGONAL IN LEFT WINGWALL OF ABUTMENT 1. END BENT 2 BACKWALL EXTENSIONS AT END BENT 2 LEFT AND RIGHT SIDE ARE UNDERMINED (SEE PHOTO) .
39	5	SLOPE PROTECTION 5 MISSING RIP RAP AND SLOPE EROSION AT END BENT 2.

Bridge I&A Fo	orm 1(82)H	FIELD INSPECTION REPORT					
	rth Carolina Insportation Highways	Bridge Inspecion & Analysis					
Team Leader	WILLIS C M						
Assisted By WTW							
Item No.	Item No. Grade						
50	6 APPROACH ROADWAY CONDITION 6 APPROACH 1 TRANSVERSE CRACKS IN APPROACH 1 WITH UP TO 1 IN. SETTLEMENT AT ABUTMENT 1, END BENT 2 SIMILAR. APPROACH 2 RIGHT SIDE CURB IS SETTLED AND SEPERATED 8 IN. FROM END OF BRIDGE. 30 FT. OF GUARDRAIL DAMAGE AT RIGHT SIDE OF APPROACH 2.						

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 500056 County JOHNSTON Date: 03/18/2010

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	180	APPROACHES ARE CRACKED AND SETTLED, ASPHALT OVER EXPANSION JOINTS CRACKED.	
3306	Maintain Concrete Superstructure Components	SF	40	SURFACE SPALLS, CRACKS, AND DELAMINATIONS IN BOTTOM OF GIRDERS.	
3318	Maint to Concrete Handrail	LF	4	GUARDRAIL POST BASES OF SPAN 3 AND SPAN 4 OVER BENT 3 ARE SPALLED 4 IN. DEEP WITH EXPOSED REBAR. TOPS OF GUARDRAIL POSTS AT RIGHT SIDE GUARDRAIL ATTACHMENT IN SPAN 1 HAVE SURFACE SPALLS.	
3348	Maintain Concrete Substructure Components	LF	20	CRACKS, SPALLS, AND DELAMINATION IN CAPS.	
3352	Maint Slope Protection	SF	200	RIP RAP MISSING AT END BENT 2 WITH UNDERMINING OF CAP AND ENDS OF BACKWALL EXTENSIONS.	
3376	Clean/Wash Bridge Decks	SF	420	DEBRIS ALONG CURBLINES CLOGGING ALL DRAINS.	







TRANSVERSE CRACKS IN APPROACH 1 WEARING SURFACE



TRANSVERSE CRACK AND UNEVENESS OVER END BENT 1 WEARING SURFACE



RIGHT SIDE GUARDRAIL POST AT GUARDRAIL CONNECTION IN SPAN 1 SPALLED



DECK DRAINS CLOGGED WITH VEGETATION



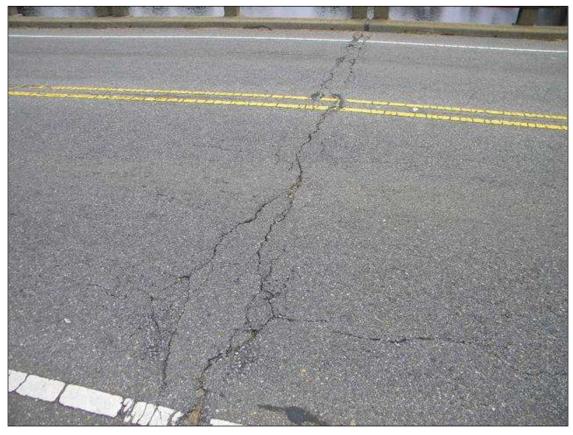
RANDOM TRANSVERSE CRACK IN TOP OF CURBLINES



TRANSVERSE CRACKING IN WEARING SURFACE OVER BENT 1



GUARDRAILS SCALED WITH COARSE AGGREGATE EXPOSED



TRANSVERSE CRACKING AND SMALL VOIDS IN WEARING SURFACE OVER BENT 2



TRANSVERSE CRACKING IN WEARING SURFACE OVER BENT 3



TRANSVERSE CRACK IN WEARING SURFACE OVER END BENT 2



TRANSVERSE AND LONGITUDINAL CRACKS IN APPROACH 2 WEARING SURFACE



UNDERMINING AT END BENT 2 RIGHT SIDE WINGWALL - LEFT SIDE SIMILAR



RIGHT SIDE CURB END TREATMENT AT END BENT 2 PULLED OUT AND SETTLED



SPALLING UNDER GIRDER 1 BEARING AT ABUTMENT 1



SPALL WITH EXPOSED REBAR IN ABUTMENT 1 UNDER GIRDER 3



RANDOM VERTICAL CRACKS IN FACE OF ABUTMENT 1



SPALLING AND DELAMINATION IN BOTTOM EDGE OF BENT 1 CAP SPAN 1 SIDE



SHALLOW SPALLING WITH EXPOSED REBAR IN BOTTOM OF GIRDER 5 IN SPAN 2 AT 1/3 POINT FROM BENT 1



CRACK IN GIRDER 4 RETAINING BLOCK AT BENT 2 SPAN 3 SIDE



CRACKING IN FACE OF CAP AT BENT 3 BAY 3 SPAN 3 SIDE



GUARDRAIL POST BASES AT THE RIGHT SIDE OF BENT 3 SPALLED WITH EXPOSED REBAR

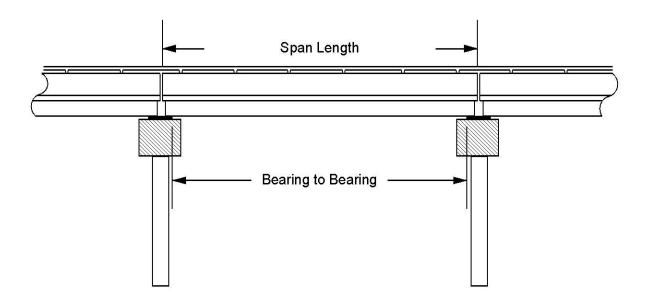
BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Run Date: 05/27/2010

COUNTY: JOHNSTON	DIV :	DIST 4	Γ: 3			MBER : 50005	L		H:	FEET
ROUTE CARRIED :	<u>, </u>		S EATURE INT	ERSECTI	 ED :	30003	0		210	1 LL1
	S301&NC96					LTS LAKE	BLACK	CREEK	۲)	
LOCATED : 0.7 MI N	JCT US701	BF	RIDGE NAM	E:		C	CITY:			
FUNC. CLASS :	SYST.ON:	SYST.UNDE	R :	ADT &	k YR :		RA	IL TYP	E:	
14	FA		NFA		10000	2008	L	Γ 111	l RT	111
BUILT :	BY:	PROJ:		FED	AID PR	ROJ :	DESIG	N LOAD):	
1926	SHPV	VC	240						H 1	5
REHAB :	BY: PRO	OJ:	ALIGNMEN	IT :	SKEV	V :	LANES :			
1954	SHPW C	2333		TAN		90	ON	2	UNDE	R
NAVIGATION :			HT. CRN	. TO BED):		WATER	DEPTH	l:	
VC 0.0	FT HC	0.0 FT			25	FT		9	9	FT
SUPERSTRUCTURE	: REINFORC	ED CONCRE	TE DECK (SIRDERS	3					
SUBSTRUCTURE:	RC ABUTS	S;BTS:RNP&V	V PIERS EX	KTENDE	D W/BF	RACKETS				
SPANS:	4@52'6									
BEAMS OR GIRDERS		CED CONCRI	ETE DECK	GIRDER	<u> </u>					
FLOOR:	ENG	CROACHMENT	·:		DECK (OUT TO OL	JT) :			
RC/5.5AV	vs						31.7 F	-T		
CLEAR ROADWAY:	BET	WEEN RAILS :			SIDEV	VALK OR C	URB :			
28	4 FT		31.5 FT			LT	1.6	FT	RT	1.6 FT
VERT.CL.OVER :	VERT	.CL.UNDER :		HOR.0	CL.UND					
99 FT 99 IN		00 FT 00 IN				0.0 FT				
INV.RTG. :	OPE.RTG.:	CONTR.ME	EMBER :	P	OSTED	:				
HS-12	HS-19		RCDG	S'	V	TTST		DATE	02/24/	/2009
SYSTEM:						GREEN I	INE ROL	ITE :		
Primary U.S. Route								Y	, 	
2ND OPENING :	3RD	OPENING :		4TH OPE	ENING :		5TH	OPEN	ING :	
REMARKS :										

Structure Data Worksheet

County: JOHNSTON Structure No: 500056 Date: 03/18/2010 Inspected By: WCM



Span No	Span Length	Bearing to Bearing	Comments
1	52.5		
2	52.5		
3	52.5		
4	52.5		

Stream Bed Soundings

(See next sheet for profile sketch)

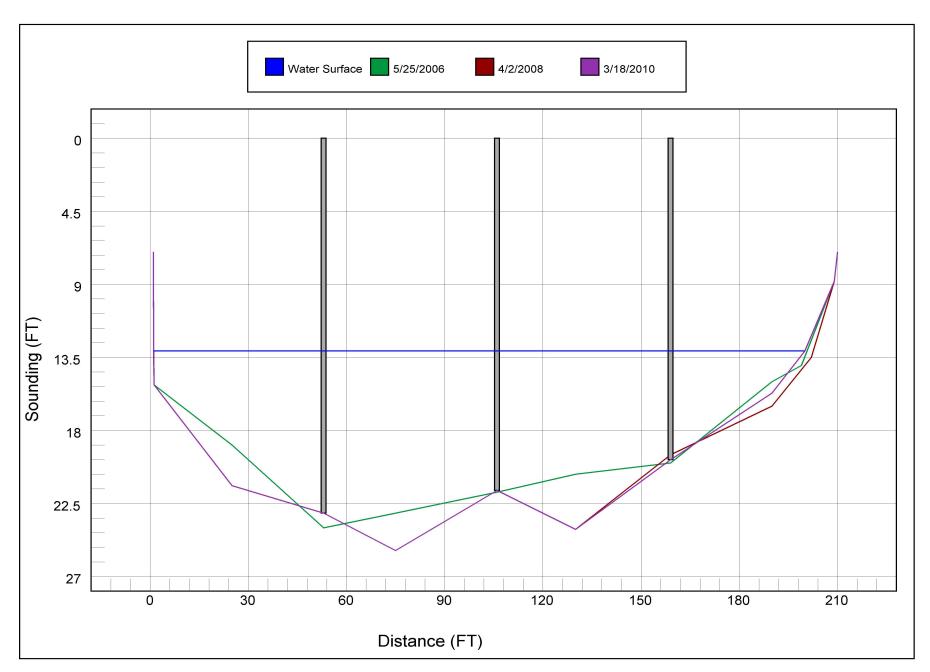
Bridge No: 500056	County: JOHNSTON	Date: 03/18/2010	By:	WCM
Record sounding from top of	rail. Other location if needed:			
Distance from Highwater Mar	k to top of rail:	Location of Highwater Mark:		

	D	OWNSTREAM	UPSTREAM				
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description		
1	7	TOP OF CAP					
1.1	13.1	Water Surface/Water Edge (WSWE)					
1.2	15.2	STREAMBED AT CAP	1.2	16.7	STREAMBED AT CAP		
25	21.4						
53	23.1	BENT 1	53	23.7	BENT 1		
75	25.4						
106	21.7	BENT 2	106	21.8	BENT 2		
130	24.1						
159	19.8	BENT 3	159	19.5	BENT 3		
190	15.7						
200	13.1	Water Surface/Water Edge (WSWE)					
209	8.8	GROUND AT CAP	209	10.1	GROUND AT CAP		
210	7	TOP OF CAP					

Bridge: 500056 County JOHNSTON Date: 03/18/2010

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



Roadway	24ft Wide	2 Paved Lanes	Looking North
Left Shoulder	3.5ft Wide	1ft Paved	2.5ft Unpaved
Right Shoulder	3.5ft Wide	2.5ft Paved	1ft Unpaved
Left Guardrail	3.5ft from road		
Right Guardrail	3.5ft from road		

CHECKED: 3/18/10 WCM

Title		Descri	otion		
APPROACH ROADWAY		LOOKII	NG NORTH		
Bridge No: 500056	Drawn By: KMM		Date: 05/23/2006	File Name: S0242000606	

Bridge Inspection Field Sketch



Measurements for Span #	1		
Deck Thickness	.625	Left Overhang	3.3333
Top of Rail to Bottom of Beam	*6.8333	Right Overhang	3.3333

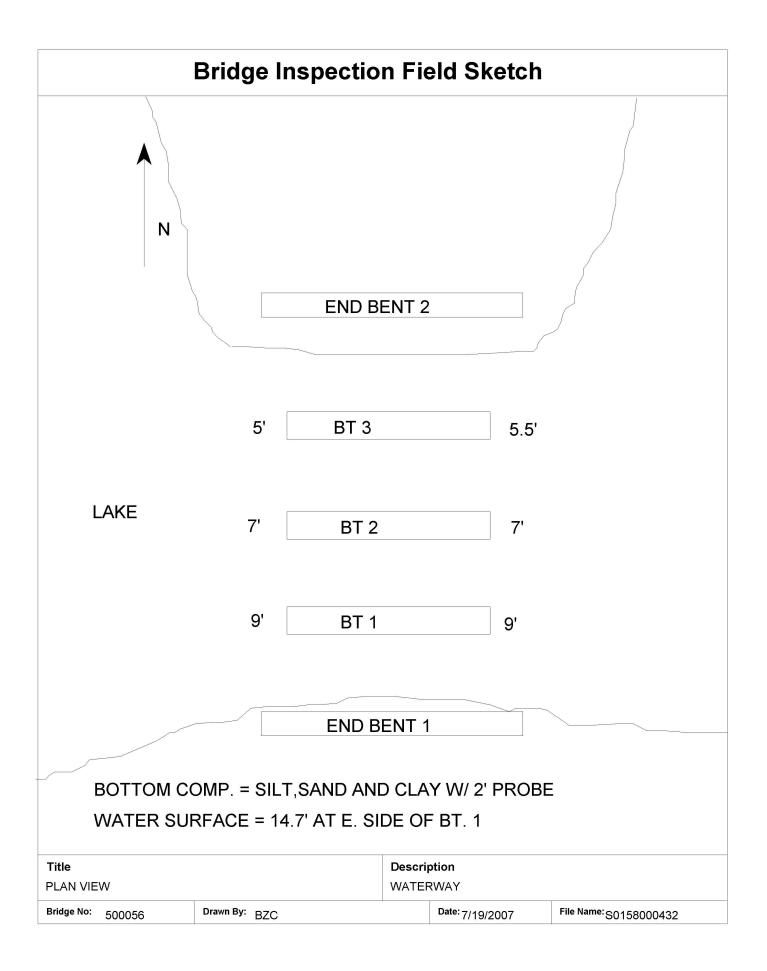
*EXTERIOR GIRDER DIMENSION

Beam No	Beam Type	Spacing	Comments
1	RC Deck Girder	4.5ft	42 IN RCDG
2	RC Deck Girder	8.0ft	51 IN RCDG
3	RC Deck Girder	8.0ft	51 IN RCDG
4	RC Deck Girder	4.5ft	51 IN RCDG
5	RC Deck Girder		42 IN RCDG

Top of Rail to Bottom of Beam - Interior Girder = 7.5833 ft.

CHECKED: 3/18/10 WCM

	Title		Descri	otion		
TYPICAL SECTION		5 LINES OF PC DECK GIRDERS				
	Bridge No: 500056	Drawn By: KMM		Date: 05/23/2006	File Name: S0242000605	





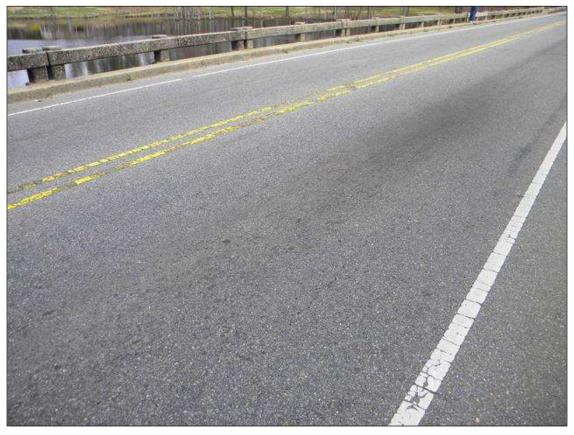
LOOKING NORTH



RIGHT SIDE GUARDRAIL TERMINAL END IN APPROACH 1, OTHERS SIMILAR



RIGHT SIDE GUARDRAIL CONNECTION IN SPAN 1



SPAN 1 OVERVIEW, OTHER SPANS SIMILAR



LOOKING WEST UPSTREAM



LOOKING EAST DOWNSTREAM



LOOKING SOUTH



TYPICAL GIRDER BEARING POINT



BENT 3 SPAN 4 SIDE



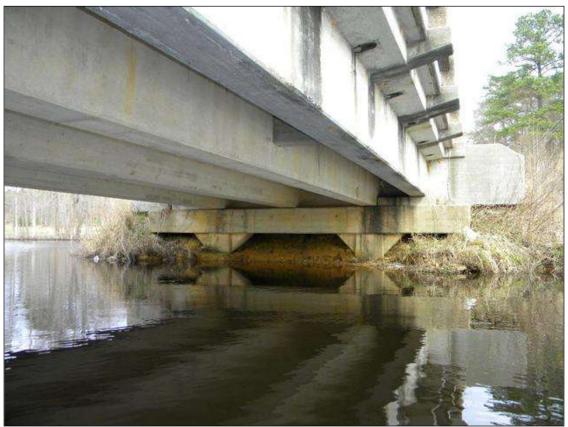
WEST PROFILE



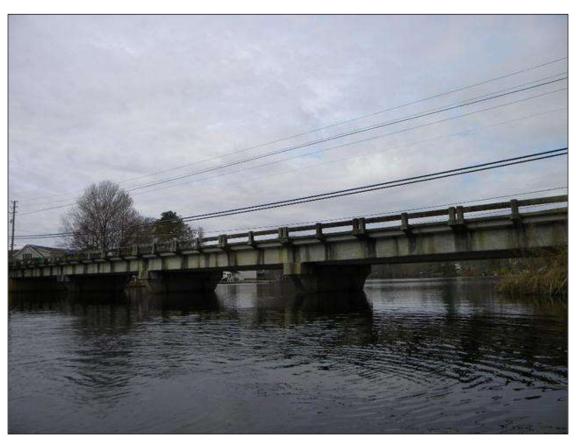
BENT 1 SPAN 1 SIDE



ABUTMENT 1 OVERVIEW



END BENT 2



EAST PROFILE



SUPERSTRUCTURE OVERVIEW



SUPERSTRUCTURE OVER END OF CAP



UTILITIES CONNECTION



UTILITIES ALONG THE LEFT SIDE OVERHANG