

NORTH CAROLINA

DEPARTMENT of TRANSPORTATION

DIVISION of HIGHWAYS

BRIDGE MAINTENANCE UNIT

# STRUCTURE DATA FILE

COUNTY JOHNSTON BRIDGE NO 100

CONTENTS:

DATA CARD

STRUCTURE DATA WORK SHEETS

STREAM BED SOUNDINGS & PROFILE SKETCH

FORM 501 OR 502

FORM BMD - 9

RETURNED PROMT ACTION NOTICE SHOWING REPAIRS

OTHER SKETCHES AND NOTES SHOWING STRUCTURE DETAILS

PHOTOGRAPHS

NOTE: STRUCTURE ANALYSIS-CHECK

/  YES or NO

WHEN PLANS ARE AVAILABLE

FIELD INSPECTOR

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DATE 4-21-99 BY BoF

BB0028

BRIDGE MAINTENANCE UNIT  
DATA ON EXISTING STRUCTURE

RUN DATE 06/11/99

COUNTY: JOHNSTON      DIV.: 04      DIST.: 3      STRUCTURE NUMBER: 50 100      LENGTH: 401 FEET

ROUTE CARRIED: I95      FEATURE INTERSECTED: NEUSE RIVER

LOCATED: 1.8 MI. N. JCT. I95, US301&701      BRIDGE NAME: -----

FUNC. CLASS: IU      SYST.ON: FA      SYST.UNDER: -----      ADT & YR: 21500 98      RAIL TYPE: LT 333 RT 333

BUILT: 1957      BY: SHC      PROJ: 8.12339      FED.AID PROJ: -----      DESIGN LOAD: HS20+MOD

REHAB: -----      BY: -----      PROJ: -----      ALIGNMENT: TAN.      SKEW: 120      LANES: ON 02 UNDER 00

NAVIGATION: VC --- FT      HC ---- FT      HT.CRN.TO BED: 38 FT      WATER DEPTH: 9 FT

SUPERSTRUCTURE: RC FLOOR ON I-BEAMS

SUBSTRUCTURE: EBTS&IBTS:RC CAPS ON CONC. ENCASED H-PILES

SPANS: 1@50 '3; 6@50 '3; 1@50 '3

BEAMS OR GIRDERS: 4 LINES 33 I-BEAMS @ 8' CENTERS

FLOOR: 6.75RC/2.5AWS      ENCROACHMENTS: -----      DECK (OUT TO OUT): 031.6

CLEAR ROADWAY: 028.2      BETWEEN RAILS: 031 .4      SIDEWALK OR CURB: LT 00.0 RT 00.0

VERT.CL.OVER: 99 FT 99 IN      VERT.CL.UNDER: 00 FT 00 IN      HOR.CL.UNDER: 00.0 FT      SPECIAL PERMIT: -----

INV.RTG.: HS- 27      OPE.RTG.: HS- 46      CONTR.MEMBER: -----      POSTED: SV -- TTST -- DATE --

SYSTEM: 3 INTERSTATE      GREEN LINE ROUTE: YES

2ND OPENING: -----      3RD OPENING: -----      4TH OPENING: -----      5TH OPENING: -----

REMARKS:

# STRUCTURE DATA WORKSHEET

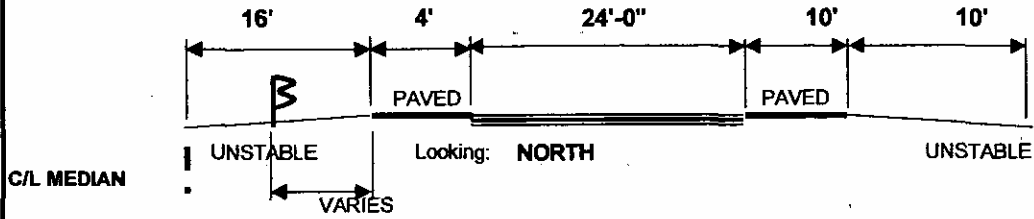
Bridge #: **100**

County: **JOHNSTON**

Date: **04/21/99**

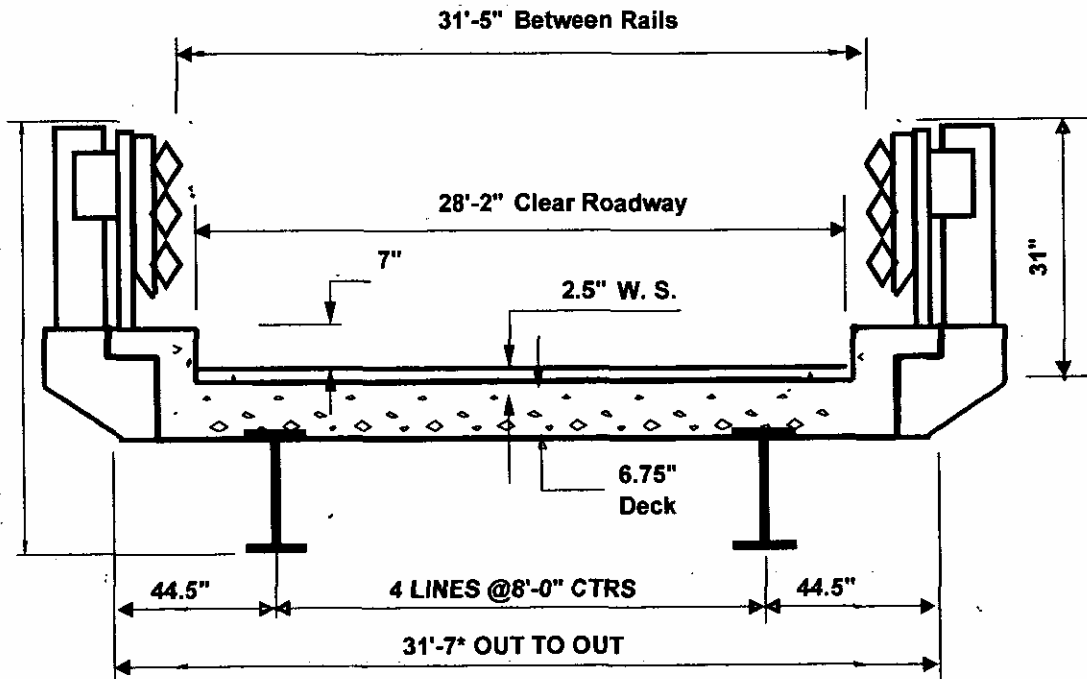
By: **BOF**

**APPROACH ROADWAY WIDTH (SI & A ITEM 32)**



**TYPICAL SECTION**

**Rail Type: 333**



Span	Length	Brg. To Brg.
1	50'-3"	
2	50'-0"	
3	50'-0"	
4	50'-0"	
5	50'-0"	
6	50'-0"	
7	50'-0"	
8	50'-3"	





SOUTH



NORTH & RAIL TRANSITIONS @ SOUTH END OF BRIDGE





EAST



WEST





DWNSTR E



UPSTR W





EB 2 1 SIMILAR



BT 6 SP 7 .BTS 3-5 SIMILAR





BT7 SP 8, BTS 1 AND 2 SIMILAR



NE ATTACHMENT NW SIMILAR





N.C. DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
BRIDGE MAINTENANCE UNIT

ATTENTION:

# BRIDGE INSPECTION REPORT

TYPE OF INSPECTION Routine

COUNTY JOHNSTON BRIDGE NUMBER 50100 INSPECTION CYCLE 2 YRS

ROUTE 195 ACROSS NEUSE RIVER M.P. 091+500

LOCATION 1.8MLN JCT 195, US301&701

SUPERSTRUCTURE RC FLOOR ON I-BEAMS

SUBSTRUCTURE E.BNTS & INT.BNTS:RC CAPS ON CONC.ENCASED H-PILES

SPANS 1@50'3:6@50':1@50'3

PRESENT CONDITION FAIR

INVENTORY RATING HS 27

INSPECTION DATE 04/21/99

OPERATING RATING HS 46

PRESENT POSTING N.P.

PROPOSED POSTING Retain - No Posting

COMPUTER UPDATE 6-11-99

ANALYSIS DATE 7/6/99

POSTING LETTER DATE

SPECIAL PERMIT

OTHER SIGNS PRESENT NONE



Photo Looking North

SIGN NOTICE ISSUED FOR NUMBER REQUIRED

<u>No</u>	WEIGHT LIMIT	<u>    </u>
<u>No</u>	SPECIAL PERMIT	<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>



\*\*\*\*\* IDENTIFICATION \*\*\*\*\*

(1) STATE NAME - NORTH CAROLINA BRIDGE 50100
(8) STRUCTURE NUMBER (FEDERAL) 000000000101100
(5) INVENTORY ROUTE (ON/UNDER) - ON = 111000950
(2) STATE HIGHWAY DEPARTMENT DISTRICT 04
(3) COUNTY CODE 101 (4) PLACE CODE 62520
(6) FEATURES INTERSECTED - NEUSE RIVER
(7) FACILITY CARRIED - I95
(9) LOCATION - 1.8MI.N.JCT.I95,US301&701
(11) MILEPOINT 091.500
(16) LATITUDE 35 D 28.7M (17) LONGITUDE 078 D 22.0M
(98) BORDER BRIDGE STATE CODE PCT SHARE
(99) BORDER BRIDGE STRUCTURE NO. #

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SUFFICIENCY RATING = 54.0
STATUS = FUNCTIONALLY OBSOLETE

\*\*\*\*\* CLASSIFICATION \*\*\*\*\*

(112) NBIS BRIDGE LENGTH - YES
(104) HIGHWAY SYSTEM - NHS ROUTE 1
(26) FUNCTIONAL CLASS - PRINCIPAL ARTERIAL- INTER 11
(100) DEFENSE HIGHWAY - YES DEFENSE HWY 1
(101) PARALLEL STRUCTURE - RT STR OF PARALLEL BRGS R
(102) DIRECTION OF TRAFFIC - 1-WAY TRAFFIC 1
(103) TEMPORARY STRUCTURE - NOT TEMPORARY
(110) DESIGNATED NATIONAL NETWORK - PART OF NETWORK 1
(20) TOLL - ON FREE ROAD 3
(21) 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/MBEAM OR GIRDER CODE 302
(44) STRUCTURE TYPE APPR: OTHER
TYPE - OTHER CODE 000
(45) NUMBER OF SPANS IN MAIN UNIT 008
(46) NUMBER OF APPROACH SPANS 0000
(107) DECK STRUCTURE TYPE - CONCRETE C-I-P 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 \*\*\*\*\*

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

\*\*\*\*\* AGE AND SERVICE \*\*\*\*\*

(27) YEAR BUILT 1957
(106) YEAR RECONSTRUCTED 0000
(42) TYPE OF SERVICE: ON - HIGHWAY
UNDER - WATERWAY CODE 15
(28) LANES: ON STRUCTURE 02 UNDER STRUCTURE 00
(29) AVERAGE DAILY TRAFFIC 021500
(30) YEAR OF ADT 1998 (109) TRUCK ADT PCT 16
(19) BYPASS, DETOUR LENGTH 08 MI

\*\*\*\*\* LOAD RATING AND POSTING \*\*\*\*\*

(31) DESIGN LOAD - HS 20+MOD 6
(64) OPERATING RATING - LF HS-46 182
(66) INVENTORY RATING - LF HS-27 148
(70) BRIDGE POSTING - NO POSTING REQUIRED 5
(41) STRUCTURE OPEN, POSTED, OR CLOSED A
DESCRIPTION - OPEN, NO RESTRICTION

\*\*\*\*\* GEOMETRIC DATA \*\*\*\*\*

(48) LENGTH OF MAXIMUM SPAN 0050 FT
(49) STRUCTURE LENGTH 000401 FT
(50) CURB OR SIDEWALK: LEFT 00.0 FT RIGHT 00.0 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 028.2 FT
(52) DECK WIDTH OUT TO OUT 031.6 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 038 FT
(33) BRIDGE MEDIAN - OPEN MEDIAN CODE 1
(34) SKEW 30 DEG (35) STRUCTURE FLARED NO
(10) INVENTORY ROUTE MIN VERT CLEAR 99 FT 99 IN
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 28.2 FT
(53) MIN VERT CLEAR OVER BRIDGE RDWY 99 FT 99 IN
(54) MIN VERT UNDERCLEAR REF - NOT HY/RR 00 FT 00 IN
(55) MIN LAT UNDERCLEAR RT REF - NOT HWY/RR 99.9 FT
(56) MIN LAT UNDERCLEAR LT 00.0 FT

\*\*\*\*\* APPRAISAL \*\*\*\*\*

(67) STRUCTURAL EVALUATION 5
(68) DECK GEOMETRY 3
(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL N
(71) WATERWAY ADEQUACY 8
(72) APPROACH ROADWAY ALIGNMENT 8
(36) TRAFFIC SAFETY FEATURES 1111
(113) SCOUR CRITICAL BRIDGES 8

\*\*\*\*\* PROPOSED IMPROVEMENTS \*\*\*\*\*

(75) TYPE OF WORK - REPLACE FOR DEFICIENCY CODE 311
(76) LENGTH OF STRUCTURE IMPROVEMENT 000441 FT
(94) BRIDGE IMPROVEMENT COST \$ 1,285,000
(95) ROADWAY IMPROVEMENT COST \$ 129,000
(96) TOTAL PROJECT COST \$ 1,592,000
(97) YEAR OF IMPROVEMENT COST ESTIMATE 1998
(114) FUTURE ADT 043000 (115) YEAR FUTURE ADT 2010

\*\*\*\*\* NAVIGATION DATA \*\*\*\*\*

(38) NAVIGATION CONTROL - BRG PERMIT NOT REQ CODE 0
(111) PIER PROTECTION - NOT APPLICABLE CODE
(39) NAVIGATION VERTICAL CLEARANCE 000 FT
(116) VERT-LIFT BRIDGE NAV MIN VERT CLEAR FT
(40) NAVIGATION HORIZONTAL CLEARANCE 0000 FT

\*\*\*\*\* INSPECTIONS \*\*\*\*\*

(90) INSPECTION DATE 04/1999 (91) FREQUENCY 24 MO
(92) CRITICAL FEATURE INSPECTION: (93) CFI DATE
A) FRACTURE CRIT DETAIL - NO - NO A)
B) UNDERWATER INSP - YES - 48 MO B) 09/1998
C) OTHER SPECIAL INSP - NO - NO C)
SCOUR -



## BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine INSPECTION DATE 04/21/99  
 BRIDGE NO. 50100 COUNTY JOHNSTON ROUTE 195 OVER NEUSE RIVER  
 STRUCTURE TYPE RC FLOOR ON I-BEAMS YEAR BUILT 1957  
 ROUTE ORIENTATION S To N FOR SPAN 1-8

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

### INSPECTION ITEMS

DECK ITEMS		GRADE	45 CHANNEL & CHANNEL PROT.	a. WATERWAY	8
1 WEARING SURFACE		6		b. ALIGNMENT	8
2 DECK NO. OF EA. TYPE SPN. GRADE RATES SI & A ITEM 58	a. CONCRETE	08		c. SCOUR	8
	b. TIMBER	00		d. SLOPE PROT., RIP-RAP, DIKES, ETC.	
	c. STEEL PLANK	00			
	d. OPEN GRID	00			
			50 APPROACH ROADWAY CONDITION		7
			51 APPROACH SLABS		
			52 PAINT SYSTEM	CODE A	6
			53 UTILITIES		
3 RAILING	a. CONCRETE	6	54 RESPONSE TO LIVE LOAD		7
	b. TIMBER		55 ESTIMATED REMAINING LIFE (YEARS)		15
	c. ALUMINUM				
	d. STEEL	7	60 REGULATORY SIGN NOTICE ISSUED		N
4 CURBS - WHEELGUARDS - PARAPETS - MEDIANS		6	61 PROMPT - ACTION NOTICE ISSUED		N
5 WALKWAYS (ON OR ATTACHED TO STRUCTURE)			62 PRESENTLY POSTED		N
6 DECK EXP JTS OR DEVICES NO. OF EACH	a. STEEL PL. OR FINGER PL	00	63 TOT. FIELD INSP. TIME (INCLUDE WRITE UP) (M/H)		36
	b. MISC. PREFAB DEVICES	00	64 TOTAL SNOOPER INSP. TIME (HRS)		5
	c. COMPRESSION SEALS	00	65 TOTAL TRAFFIC CONTROL TIME (M/H)		5
	d. STANDARD JOINTS	09			
	e. OPEN JOINTS	00			
7 DECK DEBRIS (INCLUDE EXCESS SAND / GRAVEL)		6	70 SI&A GENERAL CONDITION RATINGS		
			a. DECK	ITEM 58	5
			b. SUPERSTRUCTURE	ITEM 59	6
			c. SUBSTRUCTURE	ITEM 60	5
			d. CHANNEL & CHANNEL PROT	ITEM 61	7
SUPERSTRUCTURE (FM. 1(90)b TRUSS) I					
10 LONGITUDINAL BEAMS OR GIRDERS		7	71 SI&A FIELD APPRAISAL RATINGS		
11 LONGITUDINAL JOIST OR STRINGERS			a. WATERWAY ADAQUACY		8
12 INT. DIAP'S, X-FRAMES, BRACING, & CONN'S		8	b. APPR. RDWY. ALIGNMENT		8
13 END DIAP'S, CURTAIN WALLS, & CONN'S		5			
14 FLOOR BEAMS AND CONNECTIONS			72 FIELD SCOUR EVALUATION		G
15 BEARINGS ASSEMBLIES (INCLUDE MISALIGN)		4			
16 DRAINAGE SYSTEMS (ON STRUCTURES)		6			
17 MOVABLE SPAN MACHINERY			USE OF INSP. ACCESSIBILITY EQUIPMENT		
SUBSTRUCURE ITEMS, ITEM 60 (INCLUDES SCOUR)			SNOOPER ( CODE P, S, 4 or N )		S
35 TIM. SUBSTR.	a. ABUT. & INT. BENT CAPS & RISERS		LADDER	Y/N	N
	b. PILES, POST, SILLS, & BRACING		OVERSIDE LADDER	Y/N	N
	c. BULKHEADS, WING'S, & TIE BACKS		BUCKET TRUCK	Y/N	Y
36 CONC. SUBSTR.	a. ABUT. & BENT CAPS	5	BOAT	Y/N	N
	b. ABUT. & BENT COL'S & BREASTWALLS		OTHER ( )	Y/N	N
	c. ABUT. & INT. BENT PILES	7	SPECIAL INSPECTION REQUESTED FOR:		
	d. BACKWALLS - WING'S - RETAIN. WALL	6			
	e. ABUT. AND BENT FOOTINGS & SILLS				
37 STEEL SUBSTR.	a. ABUT. & INT. BENT CAPS & RISERS		NOTE:		
	b. PILES AND BRACING AND BULKHEADS	6			
38 FOUNDATION PILES, TYPE MATERIAL					
39 SLOPE PROT., RIP - RAP (INCLUDE DRAINAGE)		7			
40 FENDER SYSTEM			80 INSPECTED BY: BOF	<i>REST</i>	
41 DRIFT		7	81 REVIEWED BY:	<i>RB</i>	



## BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine INSPECTION DATE 8/21/98  
 BRIDGE NO. 50100 COUNTY JOHNSTON ROUTE 195 OVER NEUSE RIVER  
 STRUCTURE TYPE RC FLOOR ON I-BEAMS YEAR BUILT 1957  
 ROUTE ORIENTATION S To N FOR SPAN 1-8 OF 8

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

INSPECTION ITEMS			
DECK ITEMS	GRADE	45 CHANNEL	a. WATERWAY
1 WEARING SURFACE	6	&	b. ALIGNMENT
2 DECK	5	CHANNEL	c. SCOUR
NO. OF EA.	08	PROT.	d. SLOPE PROT., RIP-RAP, DIKES, ETC.
TYPE SPN.	00		
GRADE	00		
RATES			
SI & A ITEM		50 APPROACH ROADWAY CONDITION	7
58		51 APPROACH SLABS	
		52 PAINT SYSTEM	6
		53 UTILITIES	
3 RAILING	6	54 RESPONSE TO LIVE LOAD	7
a. CONCRETE		55 ESTIMATED REMAINING LIFE (YEARS)	15
b. TIMBER			
c. ALUMINUM			
d. STEEL	7	60 REGULATORY SIGN NOTICE ISSUED	N
4 CURBS - WHEELGUARDS - PARAPETS - MEDIANS	6	61 PROMPT - ACTION NOTICE ISSUED	N
5 WALKWAYS (ON OR ATTACHED TO STRUCTURE)		62 PRESENTLY POSTED	N
6 DECK EXP	00	63 TOT. FIELD INSP. TIME (INCLUDE WRITE UP) (M/H)	8
JTS OR	00	64 TOTAL SNOOPER INSP. TIME (HRS)	0
DEVICES	00	65 TOTAL TRAFFIC CONTROL TIME (M/H)	0
NO. OF	09		
EACH	00		
7 DECK DEBRIS (INCLUDE EXCESS SAND / GRAVEL)	5	70 SI&A GENERAL CONDITION RATINGS	
		a. DECK	ITEM 58 5
		b. SUPERSTRUCTURE	ITEM 59 6
		c. SUBSTRUCTURE	ITEM 60 5
		d. CHANNEL & CHANNEL PROT	ITEM 61 7
SUPERSTRUCTURE (FM. 1(90)b TRUSS) I			
10 LONGITUDINAL BEAMS OR GIRDERS	7		
11 LONGITUDINAL JOIST OR STRINGERS			
12 INT. DIAP'S, X-FRAMES, BRACING, & CONN'S	8	71 SI&A FIELD APPRAISAL RATINGS	
13 END DIAP'S, CURTAIN WALLS, & CONN'S	6	a. WATERWAY ADAQUACY	8
14 FLOOR BEAMS AND CONNECTIONS		b. APPR. RDWY. ALIGNMENT	8
15 BEARINGS ASSEMBLIES (INCLUDE MISALIGN)	5		
16 DRAINAGE SYSTEMS (ON STRUCTURES)	6	72 FIELD SCOUR EVALUATION	G
17 MOVABLE SPAN MACHINERY			
USE OF INSP. ACCESSIBILITY EQUIPMENT			
SUBSTRUCTURE ITEMS, ITEM 60 (INCLUDES SCOUR)		SNOOPER ( CODE P, S, 4 or N )	N
35 TIM.	a. ABUT. & INT. BENT CAPS & RISERS	LADDER	Y/N
SUBSTR.	b. PILES, POST, SILLS, & BRACING	OVERSIDE LADDER	Y/N
	c. BULKHEADS, WING'S, & TIE BACKS	BUCKET TRUCK	Y/N
36 CONC.	a. ABUT. & BENT CAPS	BOAT	Y/N
SUBSTR.	b. ABUT. & BENT COL'S & BREASTWALLS	OTHER ( BOOTS )	Y/N
	c. ABUT. & INT. BENT PILES		
	d. BACKWALLS - WING'S - RETAIN. WALL		
	e. ABUT. AND BENT FOOTINGS & SILLS		
37 STEEL	a. ABUT. & INT. BENT CAPS & RISERS	NOTE:	
SUBSTR.	b. PILES AND BRACING AND BULKHEADS		
38 FOUNDATION PILES, TYPE MATERIAL		<i>DID NOT USE SNOOPER</i>	
39 SLOPE PROT., RIP - RAP (INCLUDE DRAINAGE)	7		
40 FENDER SYSTEM		80 INSPECTED BY: BOF	<i>BOF</i>
41 DRIFT	6	81 REVIEWED BY:	<i>RB</i>



Bridge I&A Form 1(82) H  
Revised 6/4/97

STATE OF NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAY

Bridge Maintenance Unit  
Bridge Inspection Sect.

### Field Inspection Report

#### Bridge Inspection & Analysis

Bridge No. 50100

Route 195

County JOHNSTON

Team Leader: BOF

Date: 04/21/99

Assisted By:

Item No.	Description
2a	(5) FAIR- BOTTOM OF DECK HAS FEW DIAG H/L CRS W/ EFFLO AND HAS NUMEROUS VERY FINE, TRANS H/L CRS IN BOTTOM.
13	(6) FAIR - FEW VERTICAL H/L CRS DOWN FACE AND ACROSS BOTTOM OF NUMEROUS BT DIAPHS THROUGHOUT BRIDGE.
15	(4) POOR-- MOST BRGS THROUGHTOUT BRIDGE ARE HEAVILY RUSTED, AND EXPANSION SLOTS ARE PACKED WITH RUST AT EXPANSION BRGS. ANCHOR BOLTS AT EXPANSION BRGS ARE HEAVILY RUSTED, AND THE FOLLOWING ANCHOR BOLTS ARE BROKEN OFF: BT 4, SP4, BM 3 LT SIDE, AND LT AND RT SIDE MISSING AT BM 4.
36a	(5) FAIR - AT BT 4 SP 4 SIDE THE FACE OF THE CAP AT BM 3 IS SPALLED IN LARGE AREA W/ BRG SEAT REDUCED A SMALL AMT. ALSO FACE OF BT 3, SP3 IS H/L CR DIAG TO 1/32" UNDER BM 3. BOTH END BT CAPS HAVE H/L TO 3/32" DIAG CRS IN TOP AND FACE.









EB 1, BAY 2 CAP HAS DIAG H/L CR AT BRACE PILE CAP 1 AND BM 1 HAS RUSTING BRG



EB 1, BAY 2 CAP HAS DIAG H/L IN FACE





AT E B 1 , BAY 3 , CAP HAS VERT AND DIAG H/L CRS SOME W EFFLO AND  
DIAG H/L CRS W EFFLO IN BOTTOM OF DECK



EB 1 AT BM 4 , BRG IS RUSTED AND FLAKING ALSO WATER STANDING ON  
CAP AND CAP IS H/L CR INFACE AND ON TOP





SP 1, BOD HAS MOD. NO OF TRANS H/L CRS , ALL SPS SIMILAR



SP 2, BMS 1 AND 2 HAVE PAINT PEELING AND LIGHT RUST, MOST BMS SIMILAR IN ALL SPS.





BT2 SP 2 BAY 3 DIAPH HAS H/L CRS, NUMEROUS OTHER DIAPHS HAVE SIMILAR CRS THROUGHOUT BRIDGE



BT 2 SP 2 BM 2 BRG RUSTING ,NUMEROUS OTHERS SIMILAR THROUGHOUT BRIDGE





BT 2 SP 3 BAY 2 DIAPH HAS VERT H/L CRS IN FACE



BT 2 SP 3 BAY 1 DIAPH HAS H/L TO 1/16" CRS ALONG LOWER EDGE





BT 3 SP 3 VERT H/L CR IN CAP AT P-5 FROM TOP TO BOTTOM



BT 3 SP 3 BM3 , CRS IN TOP ND FACE , RUNNING BACK TO ANCHOR BOLTS





BT 4 SP 4 SPALL UNDER BM 3 W /SOME LOSS OF BRG AREA



BT 4 SP 4, LT ANCHOR BOLT AT BM 3 IS BROKEN OFF





BT 4 SP 4 BM 2 LT ANCHOR BOLT AND BRG HEAVILY RUSTED



BT 4 SP 4 BAY 1 DIAPH CR DOWN FACE AND ACROSS BOTTOM.





BT 4 SP 4 ,BM4, LT ANCHOR BOLT RUSTED INTO



SAME AS CAPTION ABOVE





BT 4 SP 4, BM 4 RT ANCHOR BOLT BROKEN OFF



BT 6, SP 6, BM 4, RT ANCHOR BOLT HEAVILY RUSTED AND PUSHED UP





BT 6 , SP7 , RT ANCHOR BOLT AND BRG. HEAVILY RUSTED



EB 2 AT BM 4, H/L TO 1/32" CRS IN FACE AND TOP OF CAP, SIMILAR AT BM





SP 8, BM 4, PAINT PEELING , FEW OTHERS SIMILAR IN ALL SPANS



EXP JT AT BT 7- A W S CR OR MISSING AND , SIMILAR AT ALL JOINTS





DEBRIS AT LT CURB, SIMILAR AT RT.



SP 1, LT RAIL POST #3 SPALLED