



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

ATTENTION:

# BRIDGE INSPECTION REPORT

TYPE OF INSPECTION Routine

COUNTY JOHNSTON BRIDGE NUMBER 50067 INSPECTION CYCLE 2 YRS

ROUTE US701 ACROSS 195 M.P. 000+000

LOCATION JCT. US701&I-95

SUPERSTRUCTURE REINFORCED CONCRETE DECK/I BEAMS

SUBSTRUCTURE END BNTS&INT.BNTS:RC CAP/PPC PILES@6' CTS.

SPANS 1@57'2:1@72'3:1@72:1@48'7

PRESENT CONDITION Fair INVENTORY RATING HS-20

INSPECTION DATE 10/07/99 OPERATING RATING HS-34

PRESENT POSTING N.P. PROPOSED POSTING RETAIN:

*See New Rating*

N.P.

COMPUTER UPDATE 1-5-00 ANALYSIS DATE 11/9/99

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 50067
(8) STRUCTURE NUMBER (FEDERAL) 00000000101067
(5) INVENTORY ROUTE (ON/UNDER) - ON = 121007010
(2) STATE HIGHWAY DEPARTMENT DISTRICT 04
(3) COUNTY CODE 101 (4) PLACE CODE
(6) FEATURES INTERSECTED - I95 \*
(7) FACILITY CARRIED - US701
(9) LOCATION - JCT. US701&I-95
(11) MILEPOINT 000.000
(16) LATITUDE 35 D 28.0M (17) LONGITUDE 078 D 23.7M
(98) BORDER BRIDGE STATE CODE PCT SHARE
(99) BORDER BRIDGE STRUCTURE NO. #

SUFFICIENCY RATING = 51.0
STATUS = STRUCTURALLY DEFICIENT

\*\*\*\*\* CLASSIFICATION \*\*\*\*\* CODE

(112) NBIS BRIDGE LENGTH - YES
(104) HIGHWAY SYSTEM - NON NHS ROUTE 0
(26) FUNCTIONAL CLASS - OTHER PRINCIPAL ARTERIAL 14
(100) DEFENSE HIGHWAY - NOT DEFENSE HWY 0
(101) PARALLEL STRUCTURE - NONE EXISTS N
(102) DIRECTION OF TRAFFIC - 2-WAY TRAFFIC 2
(103) TEMPORARY STRUCTURE - NOT TEMPORARY
(110) DESIGNATED NATIONAL NETWORK - NOT PART OF 0
(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 \*\*\*\*\*

\*\*\*\*\* CONDITION \*\*\*\*\* CODE

(43) STRUCTURE TYPE MAIN: STEEL
TYPE - STRINGER/MBBAM OR GIRDER CODE 302
(44) STRUCTURE TYPE APPR: OTHER
TYPE - OTHER CODE 000
(45) NUMBER OF SPANS IN MAIN UNIT 004
(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

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

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

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

(27) YEAR BUILT 1957
(106) YEAR RECONSTRUCTED 0000
(42) TYPE OF SERVICE: ON - OVERPASS STR -INTERCHANGE
UNDER - HIGHWAY CODE 61
(28) LANES: ON STRUCTURE 02 UNDER STRUCTURE 04
(29) AVERAGE DAILY TRAFFIC 005000
(30) YEAR OF ADT 1996 (109) TRUCK ADT PCT 12
(19) BYPASS, DETOUR LENGTH 00 MI

(31) DESIGN LOAD - HS 20+MOD 6
(64) OPERATING RATING - LF HS-34 161
(66) INVENTORY RATING - LF HS-20 136
(70) BRIDGE POSTING - NO POSTING REQUIRED 5
(41) STRUCTURE OPEN, POSTED, OR CLOSED A
DESCRIPTION - OPEN, NO RESTRICTION

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

\*\*\*\*\* APPRAISAL \*\*\*\*\* CODE

(48) LENGTH OF MAXIMUM SPAN 0072 FT
(49) STRUCTURE LENGTH 000250 FT
(50) CURB OR SIDEWALK: LEFT 01.6 FT RIGHT 01.6 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 028.2 FT
(52) DECK WIDTH OUT TO OUT 031.7 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 024 FT
(33) BRIDGE MEDIAN - NO MEDIAN CODE 0
(34) SKEW 44 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 - HIGHWAY 14 FT 02 IN
(55) MIN LAT UNDERCLEAR RT REF - HIGHWAY 09.7 FT
(56) MIN LAT UNDERCLEAR LT 12.0 FT

(67) STRUCTURAL EVALUATION 4
(68) DECK GEOMETRY 4
(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL 2
(71) WATERWAY ADEQUACY N
(72) APPROACH ROADWAY ALIGNMENT 8
(36) TRAFFIC SAFETY FEATURES 0111
(113) SCOUR CRITICAL BRIDGES N

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

(75) TYPE OF WORK - REPLACE FOR DEFICIENCY CODE 311
(76) LENGTH OF STRUCTURE IMPROVEMENT 000250 FT
(94) BRIDGE IMPROVEMENT COST \$ 667,000
(95) ROADWAY IMPROVEMENT COST \$ 67,000
(96) TOTAL PROJECT COST \$ 850,000
(97) YEAR OF IMPROVEMENT COST ESTIMATE 1999
(114) FUTURE ADT 010000 (115) YEAR FUTURE ADT 2010

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

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

(38) NAVIGATION CONTROL - N.A., NO WATERWAY CODE N
(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

(90) INSPECTION DATE 10/1999 (91) FREQUENCY 24 MO
(92) CRITICAL FEATURE INSPECTION: (93) CFI DATE
A) FRACTURE CRIT DETAIL - NO - NO A)
B) UNDERWATER INSP - NO - NO B)
C) OTHER SPECIAL INSP - NO - NO C)
SCOUR - NOT EVALUATED

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

\*\*\*\*\*

(1) STATE NAME - NORTH CAROLINA BRIDGE 50067
(8) STRUCTURE NUMBER (FEDERAL) 000000000101067
(5) INVENTORY ROUTE (ON/UNDER) - UNDER = 211000950
(2) STATE HIGHWAY DEPARTMENT DISTRICT 04
(3) COUNTY CODE 101 (4) PLACE CODE
(6) FEATURES INTERSECTED -
(7) FACILITY CARRIED - US701
(9) LOCATION - JCT. US701&I-95
(11) MILEPOINT 089.700
(16) LATITUDE 35 D 28.0M (17) LONGITUDE 078 D 23.7M
(98) BORDER BRIDGE STATE CODE PCT SHARE
(99) BORDER BRIDGE STRUCTURE NO. #

SUFFICIENCY RATING = 51.0
STATUS =

\*\*\*\*\* STRUCTURE TYPE AND MATERIAL \*\*\*\*\*

\*\*\*\*\* CLASSIFICATION \*\*\*\*\* CODE

(43) STRUCTURE TYPE MAIN: STEEL
TYPE - STRINGER/MBEAM OR GIRDER CODE 302
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TYPE - OTHER CODE 000
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(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

(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 - NONE EXISTS N
(102) DIRECTION OF TRAFFIC - 2-WAY TRAFFIC 2
(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

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

\*\*\*\*\* CONDITION \*\*\*\*\* CODE

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(42) TYPE OF SERVICE: ON - OVERPASS STR -INTERCHANGE
UNDRR - HIGHWAY CODE 61
(28) LANES: ON STRUCTURE 02 UNDRR STRUCTURE 04
(29) AVERAGE DAILY TRAFFIC 034300
(30) YEAR OF ADT 1996 (109) TRUCK ADT PCT 00
(19) BYPASS, DETOUR LENGTH 00 MI

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

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(52) DECK WIDTH OUT TO OUT 031.7 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 024 FT
(33) BRIDGE MEDIAN - NO MEDIAN CODE 0
(34) SKBW 44 DEG (35) STRUCTURE FLARED NO
(10) INVENTORY ROUTE MIN VERT CLEAR 15 FT 09 IN
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 48.1 FT
(53) MIN VERT CLEAR OVER BRIDGE RDWY 99 FT 09 IN
(54) MIN VERT UNDERCLEAR REF - HIGHWAY 14 FT 02 IN
(55) MIN LAT UNDERCLEAR RT REF - HIGHWAY 09.7 FT
(56) MIN LAT UNDERCLEAR LT 12.0 FT

(31) DESIGN LOAD - HS 20+MOD 6
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\*\*\*\*\* NAVIGATION DATA \*\*\*\*\*

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(114) FUTURE ADT 010000 (115) YEAR FUTURE ADT 2010

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

(90) INSPECTION DATE 10/1999 (91) FREQUENCY 24 MO
(92) CRITICAL FEATURE INSPECTION: (93) CPI DATE
A) FRACTURE CRIT DETAIL - NO - MO A)
B) UNDERWATER INSP - NO - MO B)
C) OTHER SPECIAL INSP - NO - MO C)
SCOUR - NOT EVALUATED

## BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine INSPECTION DATE 10/07/99  
 BRIDGE NO. 50067 COUNTY JOHNSTON ROUTE US701 OVER 195  
 STRUCTURE TYPE REINFORCED CONCRETE DECK/I-BEAMS YEAR BUILT 1957  
 ROUTE ORIENTATION S To N FOR SPAN 1-4

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

DECK ITEMS				GRADE	INSPECTION ITEMS				
1 WEARING SURFACE				5	45 CHANNEL & CHANNEL PROT.	a. WATERWAY			
2 DECK				5		b. ALIGNMENT			
NO. OF EA. TYPE SPN.	a. CONCRETE			04		c. SCOUR			
	b. TIMBER			00		d. SLOPE PROT., RIP-RAP, DIKES, ETC.			
GRADE				00		50 APPROACH ROADWAY CONDITION			7
RATES SI & A ITEM 58	d. OPEN GRID			00	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)			10	
	c. ALUMINUM				60 REGULATORY SIGN NOTICE ISSUED			N	
	d. STEEL				61 PROMPT - ACTION NOTICE ISSUED			N	
4 CURBS - WHEELGUARDS - PARAPETS - MEDIANS				6	62 PRESENTLY POSTED			N	
5 WALKWAYS (ON OR ATTACHED TO STRUCTURE)					63 TOT. FIELD INSP. TIME (INCLUDE WRITE UP) (M/H)			0	
6 DECK EXP JTS OR DEVICES NO. OF EACH	a. STEEL PL. OR FINGER PL			00	64 TOTAL SNOOPER INSP. TIME (HRS)			0	
	b. MISC. PREFAB DEVICES			00	65 TOTAL TRAFFIC CONTROL TIME (M/H)			0	
	c. COMPRESSION SEALS			00	70 SI&A GENERAL CONDITION RATINGS				
	d. STANDARD JOINTS			03					6
	e. OPEN JOINTS			00					
7 DECK DEBRIS (INCLUDE EXCESS SAND / GRAVEL)				7	a. DECK			ITEM 58 5	
					b. SUPERSTRUCTURE			ITEM 59 4	
SUPERSTRUCTURE (FM. 1(90)b TRUSS) I					c. SUBSTRUCTURE			ITEM 60 5	
10 LONGITUDINAL BEAMS OR GIRDERS				5	d. CHANNEL & CHANNEL PROT			ITEM 61 N	
11 LONGITUDINAL JOIST OR STRINGERS					71 SI&A FIELD APPRAISAL RATINGS				
12 INT. DIAP'S, X-FRAMES, BRACING, & CONN'S				6	a. WATERWAY ADAQUACY			N	
13 END DIAP'S, CURTAIN WALLS, & CONN'S				4	b. APPR. RDWY. ALIGNMENT			8	
14 FLOOR BEAMS AND CONNECTIONS					72 FIELD SCOUR EVALUATION			N	
15 BEARINGS ASSEMBLIES (INCLUDE MISALIGN)				4					
16 DRAINAGE SYSTEMS (ON STRUCTURES)				5					
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. SUBSTR.	a. ABUT. & INT. BENT CAPS & RISERS				LADDER		Y/N Y		
	b. PILES, POST, SILLS, & BRACING				OVERSIDE LADDER		Y/N N		
	c. BULKHEADS, WING'S, & TIE BACKS				BUCKET TRUCK		Y/N N		
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			5					
	d. BACKWALLS - WING'S - RETAIN. WALL			6	SPECIAL INSPECTION REQUESTED FOR:				
	e. ABUT. AND BENT FOOTINGS & SILLS								
37 STEEL SUBSTR.	a. ABUT. & INT. BENT CAPS & RISERS				NOTE:				
	b. PILES AND BRACING AND BULKHEADS								
38 FOUNDATION PILES, TYPE MATERIAL									
39 SLOPE PROT., RIP - RAP (INCLUDE DRAINAGE)				6					
40 FENDER SYSTEM					80 INSPECTED BY: BOF				
41 DRIFT					81 REVIEWED BY: <i>RFB</i>				

## BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE ROUTINE INSPECTION DATE 9-18-97  
 BRIDGE NO. 67 COUNTY JOHNSTON ROUTE US 701 OVER I-95  
 STRUCTURE TYPE I BEAMS & CONC. YEAR BUILT 1957  
 LENGTH 250'-0 ROUTE ORIENTATION S → N FOR SPAN 1-4 OF 4 SPANS

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

INSPECTION ITEM			GRADE	ITEM 61	GRADE
DECK ITEMS				45 CHANNEL & CHANNEL PROT.	a. WATERWAY b. ALIGNMENT c. SCOUR d. SLOPE PROT., RIP - RAP, DIKES, ETC.
1 WEARING SURFACE			5		
2 DECK	a. CONCRETE	4	5		
NO. OF EA.	b. TIMBER		-		
TYPE SPN.	c. STEEL PLANK		-		
GRADE	d. OPEN GRID		-		
RATES				50 APPROACH ROADWAY CONDITION	7
SI & A ITEM				51 APPROACH SLABS	-
58				52 PAINT SYSTEMS	CODE ( A )
3 RAILING	a. CONCRETE		6	53 UTILITIES	
	b. TIMBER		-	54 RESPONSE TO LIVE LOAD	7
	c. ALUMINUM		-	55 ESTIMATED REMAINING LIFE	10 YR
	d. STEEL		-	60 REGULATORY SIGN NOTICE ISSUED	NO
4 CURBS - WHEELGUARDS - PARAPETS - MEDIANS			6	61 PROMPT - ACTION NOTICE ISSUED	NO
5 WALKWAYS (ON OR ATTACHED TO STRUCTURE)			-	62 PRESENTLY POSTED	H.P.
6 DECK EXP.	a. STEEL PL. OR FINGER PL.		-	63 TOT. FIELD INSP. TIME (INCLUDE WRITE UP) (MH)	10 MH
JTS OR	b. MISC. PREFAB DEVICES		-	64 TOTAL SNOOPER INSP. TIME (HRS)	-
DEVICES	c. COMPRESSION SEALS		-	65 TOTAL TRAFFIC CONTROL TIME (MH)	-
NO. OF	d. STANDARD JOINTS	3	6		
EACH	e. OPEN JOINTS		-		
7 DECK DEBRIS (INCLUDE EXCESS SAND / GRAVEL)			7		

SUPER. STR. ( FM. 1 (80) B TRUSS ) ITEM 59		
10 LONGITUDINAL BEAMS OR GIRDERS		5
11 LONGITUDINAL JOIST OR STRINGERS		-
12 INT. DIAPHS, X-FRAMES, BRACING, & CONN'S		6
13 END DIAPHS, CURTAIN WALLS, & CONN'S		4
14 FLOOR BEAMS AND CONNECTIONS		4
15 BEARINGS ASSEMBLIES (INCLUDE MISALIGN)		4
16 DRAINAGE SYSTEMS (ON STRUCTURES)		5
17 MOVABLE SPAN MACHINERY		-

SUB. STR ITEMS, ITEM 60 (INCLUDE SCOUR)		
35 TIM.	a. ABUT. & INT. BENT CAPS & RISERS	-
SUB.	b. PILES, POST, SILLS, & BRACING	-
STR.	c. BULKHEADS, WING'S, & TIE BACKS	-
36 CONC.	a. ABUT. & INT. BENT CAPS	5
SUB.	b. ABUT. & BENT COL'S & BREASTWALLS	-
STR.	c. ABUT. & INT. BENT PILES	5
	d. BACKWALLS - WING'S - RETAIN. WALLS	6
	e. ABUT. AND BENT FOOTINGS & SILLS	-
37 STEEL	a. ABUT. & INT. BENT CAPS & RISERS	-
SUB. STR.	b. PILES AND BRACING AND BULKHEADS	-
38 FOUNDATION PILES TYPE MATERIAL		-
39 SLOPE PROT., RIP - RAP (INCLUDE DRAINAGE)		6
40 FENDER SYSTEMS		-
41 DRIFT		-

70 SI&A GENERAL CONDITION RATINGS		
a. DECK	ITEM 58	5
b. SUPERSTRUCTURE	ITEM 59	4
c. SUBSTRUCTURE	ITEM 60	5
d. CHANNEL & CHANNEL PROT.	ITEM 61	-

71 SI&A FIELD APPRAISAL RATINGS		
a. WATERWAY ADAQUACY		-
b. APPR. RDWY. ALIGNMENT		8
72 FIELD SCOUR EVALUATION		-

USE OF INSP. ACCESSIBILITY EQUIPMENT		
SNOOPER ( CODE P, S, 4 or N )		
LADDER	YN	N
OVERSIDE LADDER	YN	Y
BUCKET TRUCK	YN	N
BOAT	YN	N
OTHER ( )	YN	N
SPECIAL INSPECTION REQUESTED FOR:		
NOTE:		
80 INSPECTED BY:		
81 REVIEWED BY:	JRW	SH. BCF

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. 5006<sup>7</sup>

Route US70 BUS.

County JOHNSTON

Team Leader: B.O. FUQUAY

Date: 10/07/99

Assisted By:

Item No.	Description
1	(5) FAIR CR AND BEAKING UP ALONG ALL EXP JTS ALSO POTHOLES AT JOINTS
2	(5- FAIR--BOTTON OF DECK HAS DIAG. AND TRANS H/L CRS SOME W/ EFFLO AND RUST STAINS. ALSO FEW AREAS OF MINOR SPALLING ALONG BM 1 IN SP 2.
10	(5) FAIR-- FAIR ALL BEAMS IN SP 2 AND 3 HAVE TRAFFIC SCRAPES ACROS BOTTOM. BM 1 IN SP 2 HAS 2" SWEEP DUE TO TRAFFIC DAMAGE. SEE PHOTOS. MOST BEAMS RUSTING AND PITTING AND PAINT PEELING .
13	(4) POOR-- NUMEROUS BT DIAPHS ARE CR AND SPALLED SOME W/ REBARS EXPOSED. SEE PHOTOS FOR LOCATIONS CURTAINWALLS HAVE H/L CRS
15	(4) POOR-- ALL BEARINGS ARE RUSTED AND PITTED W/ EXPANSION SLOTS FILLED W/ RUST. THE FOLLOWING ANCHOR BOLTS ARE BROKEN OFF: BT1, SP1, BM 1, LT AND RT BT1, SP1, BM 2, LT AND RT BT1, SP1, BM 3, LT



NORTH CAROLINA

DEPARTMENT of TRANSPORTATION

DIVISION of HIGHWAYS

BRIDGE MAINTENANCE UNIT

# STRUCTURE DATA FILE

COUNTY JOHNSON BRIDGE NO 50067

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

DATE 10-7-89

BY [Signature]

\_\_\_\_\_



B80028

BRIDGE MAINTENANCE UNIT  
DATA ON EXISTING STRUCTURE

RUN DATE 01/05/00

COUNTY: JOHNSTON      DIV.: 04      DIST.: 3      STRUCTURE NUMBER: 50 067      LENGTH: 250 FEET

ROUTE CARRIED: US701      FEATURE INTERSECTED: I95

LOCATED: JCT. US701&I-95      BRIDGE NAME: -----

FUNC. CLASS: PAU      SYST.ON: FA      SYST.UNDER: FA      ADT & YR: 5000 96      RAIL TYPE: LT 111 RT 111

BUILT: 1957      BY: SHC      PROJ: 2336      FED.AID PROJ: -----      DESIGN LOAD: HS20+MOD

REHAB: ----      BY: BMU      PROJ: 5.3131      ALIGNMENT: TAN      SKEW: 046      LANES: ON 02 UNDER 04

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

SUPERSTRUCTURE: REINFORCED CONCRETE DECK/I-BEAMS

SUBSTRUCTURE: E.BTS&BTS:RC CAP/PPC PILES@6'CTS.

SPANS: 1@57'2;1@72'3;1@72';1@48'7

BEAMS OR GIRDERS: 4 LNS.36IN.I-BEAMS @ VAR.CTS.

FLOOR: 7 RC/2 AWS      ENCROACHMENTS: -----      DECK (OUT TO OUT): 031.7

CLEAR ROADWAY: 028.2      BETWEEN RAILS: 031 .3      SIDEWALK OR CURB: LT 01.6 RT 01.6

VERT.CL.OVER: 99 FT 99 IN      VERT.CL.UNDER: 14 FT 02 IN      HOR.CL.UNDER: 48.1 FT      SPECIAL PERMIT: ---

INV.RTG.: HS- 20      OPE.RTG.: HS- 34      CONTR.MEMBER: -----      POSTED: SV -- TTST -- DATE -- --

SYSTEM: 3 INTERSTATE      GREEN LINE ROUTE: YES

2ND OPENING: 1506 I-95-SBL      3RD OPENING: -----      4TH OPENING: -----      5TH OPENING: -----

REMARKS:

# FIELD SKETCH SHEET

BDF 10-7-99

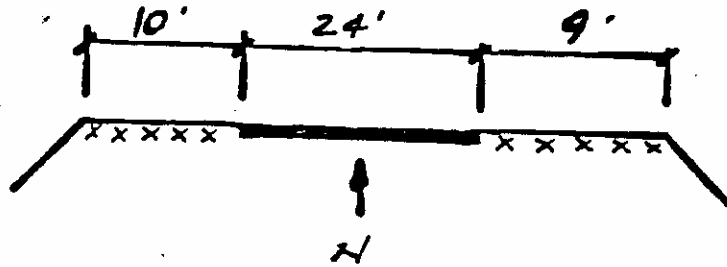
## FOR VERTICAL & HORIZONTAL CLEARANCES

Bridge No. 67 County JOHNSTON Date 9/18/91 By SL

APPROACH ROADWAY (Define SIC Items 32, 33, & 47)

- 32. Appr. Rdwy. Width
- 33. Appr. Median
- 37. Total Horiz. Cl.

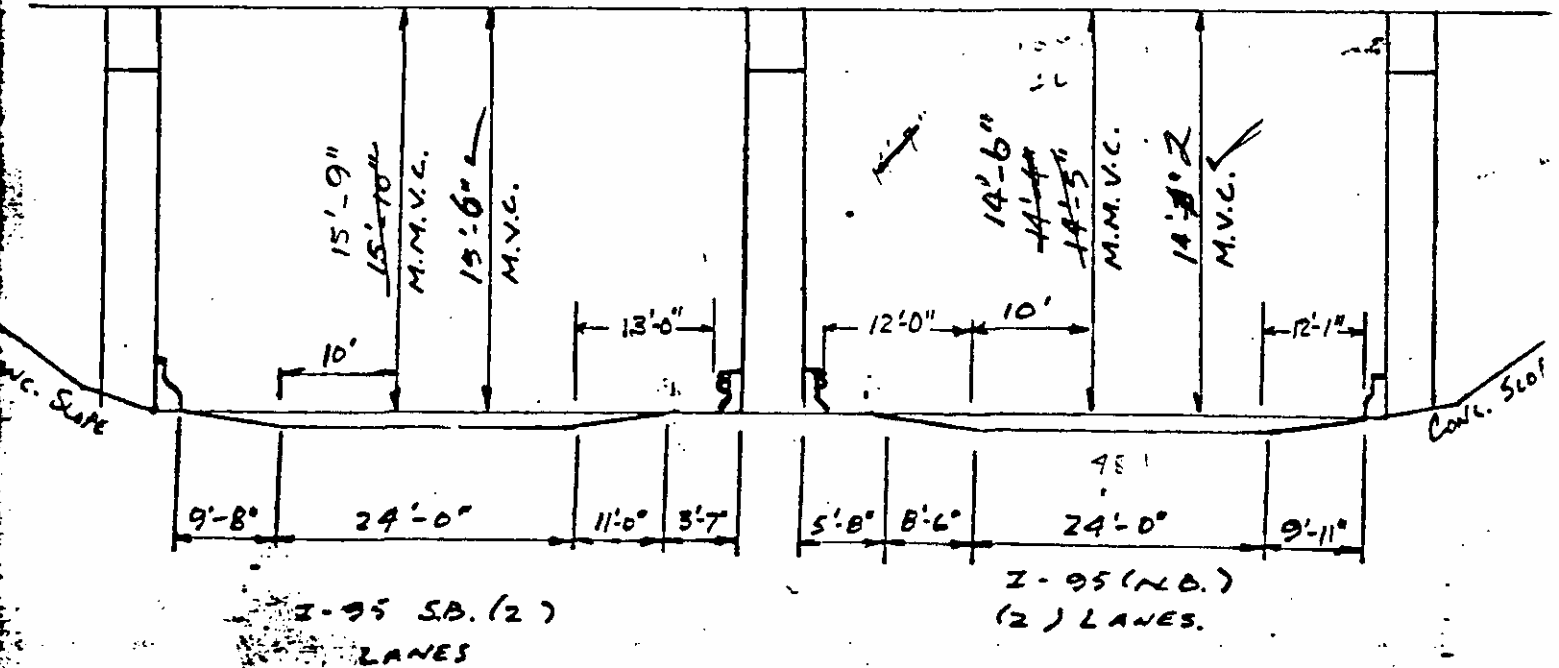
✓ 10-12-93 BDF  
 ✓ 6-1-95  
 9-18-97



X = UNSTABLE

UNDERCLEARANCE (Define SIC Items 28, 38, 39, 40, 47, 54, 55 & 56)

- 28. Lanes Under Structure
- 38. Navigation Control
- 39. Navigable V.C.
- 40. Navigable H.C.
- 47. Total Horiz. Cl.
- 54. Min. Vert. Underclearance
- 55 & 56. Min. Horiz. Underclearances - Show dimension to all restrictive features



# STRUCTURE DATA WORKSHEET

BOF  
10-7-99

BRIDGE #67

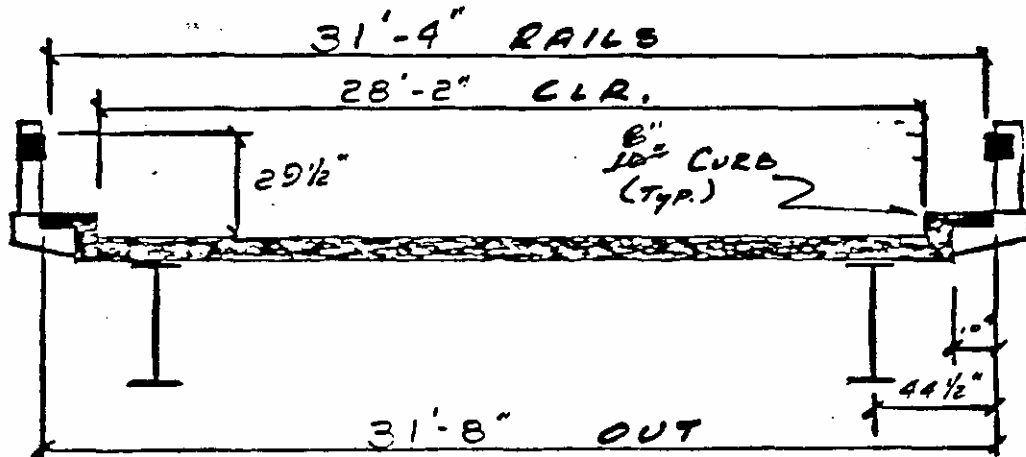
JOHNSTON Co.

9/18/01

✓ 10-12-93 BOF

✓ 6-1-95

9-18-97



SEE PLANS

BR 50067

JOHNSTON COUNTY

10-7-99



BT 2 SP 3



BT 1 SP 2, BT 3 SIMILAR



S W TERMINAL ALL SIMILAR



EB 2, 1 SIMILAR



LOOKING WEST AT RAMPS



LOOKING EAST AT RAMPS



EAST



~~WEST~~ NORTH

BR 50067

JOHNSTON COUNTY

10-7-99



~~NORTH~~ WEST



SOUTH





BT 1 RT END OF CAP AND TYP SUPERSTRUCTURE



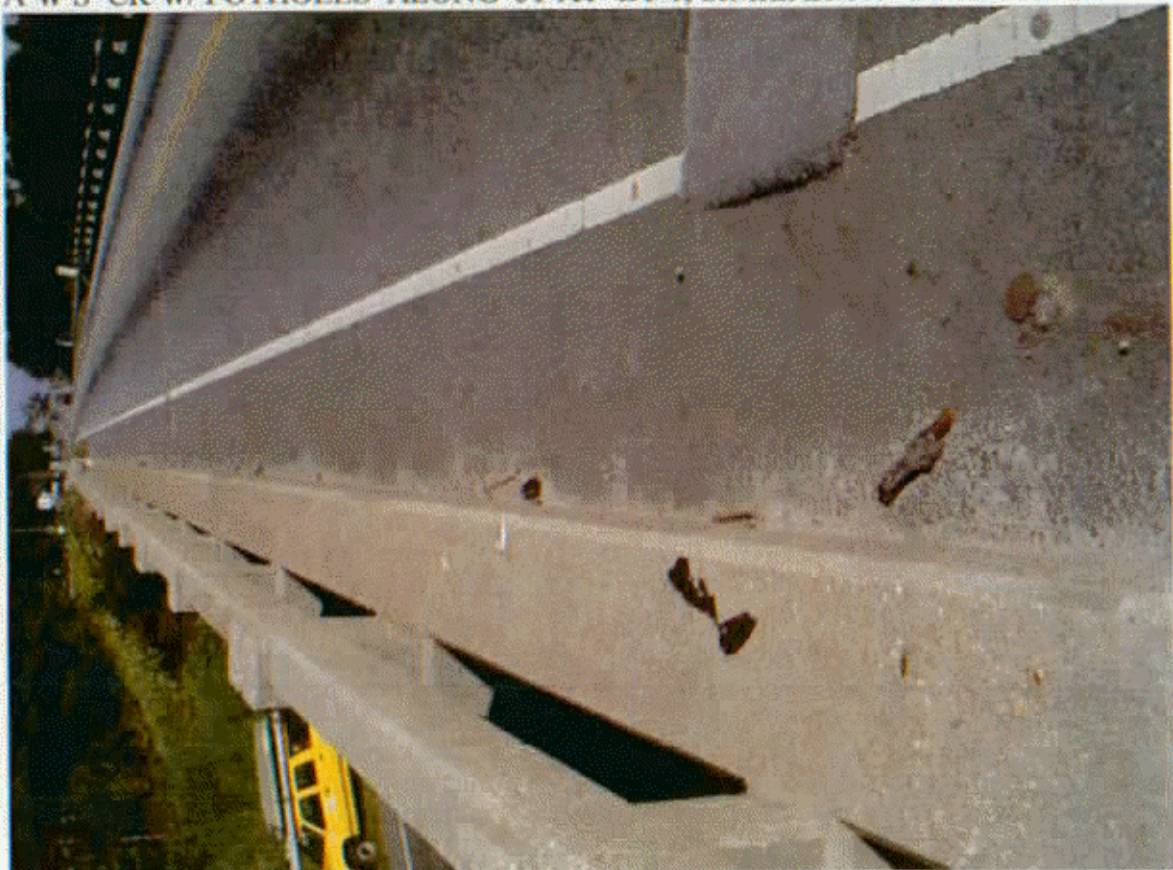
BT 2 SP 3, BAY 3 DIAPH. CR AND SPALLED, SIMILAR CRS IN BAYS 1 AND 2



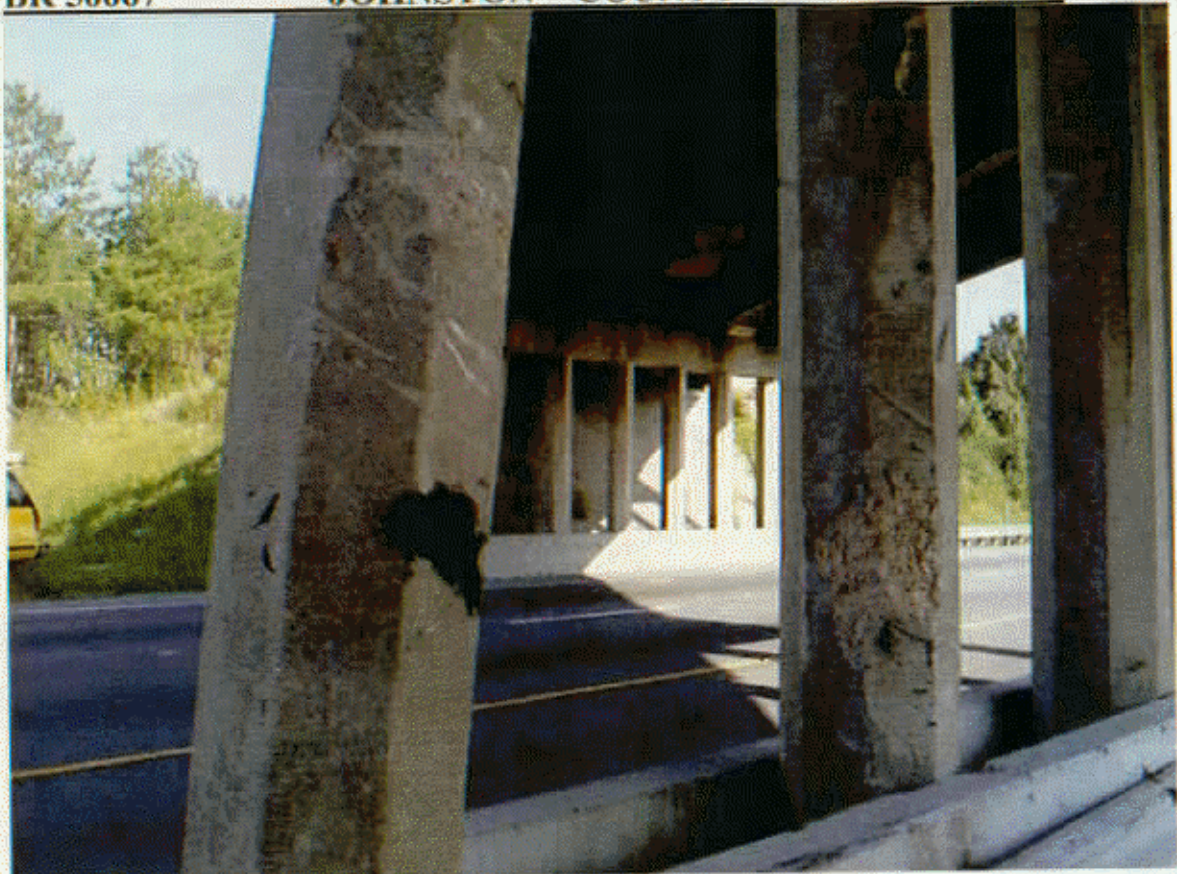
I 95 S.B. LANE GUARDRAIL DETACHED AND STANDING OFF 10" +/-



A W S CR W/POTHOLES ALONG JT AT BT 1, SIMILAR AT BTS 2 AND 3



DEBRIS ALONG LT CURB, SIMILAR AT RT



BT 2 P-2 SPALLED IN SE FACE



BT 2, P-2 HAS HORIZ. H/L CRS IN EAST FACE



BT 2, P-4 THRU P-7 SPALLED ON SP2 SIDE AND CAP SPALLED W/ REBARS EXPOSED IN BAY 3.



BT 2 P-7 SPALLED IN EAST FACE



BT 2 P-7 HAS HORIZ CRS IN W FACE



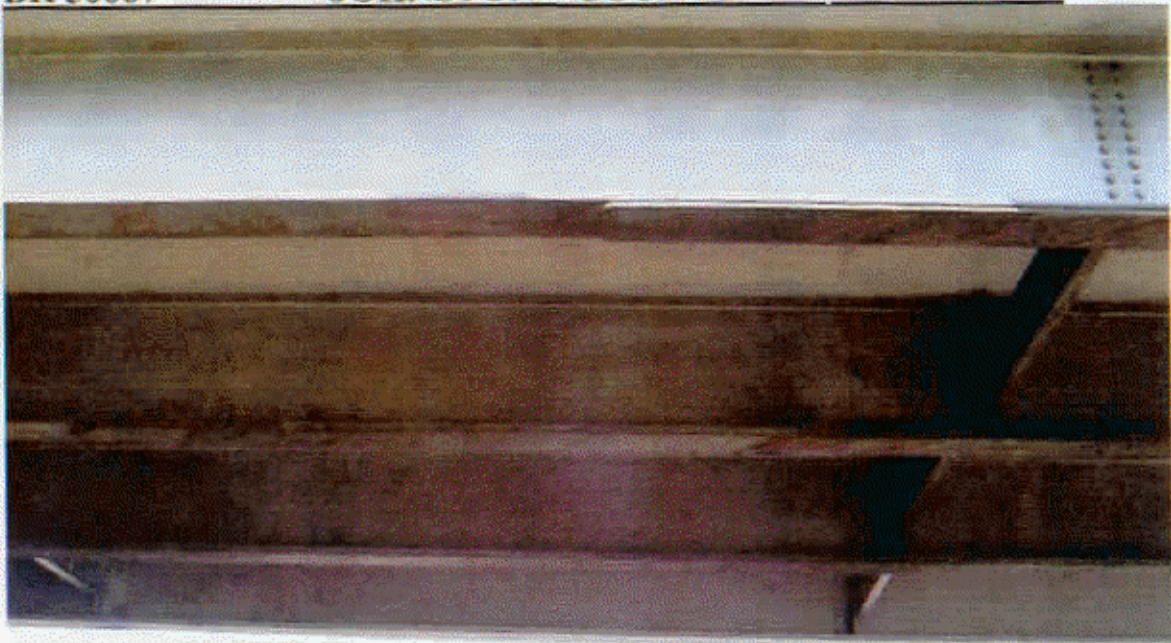
BT 2,H/L CRS W/ EFFLO IN BOTTOM OF CAP AT P-7



BOTTOM OF DECK HAS DIAG. CR W/ EFFLO AT BT 2 , SP 2 BM 1



BT 1 , RT END , BMS RUSTING AND RT EXT DIAPH CR AND SPALLING



SP 2 TRAFFIC SCRAPES ON BOTTOM OF ALL BEAMS



SP 2, BM 1 TRAFFIC DAMAGE HAS CAUSED 2" +/- SWEEP IN BOTTOM FLG AND MINOR SPALLING IN BOTTOM OF OVERHANG





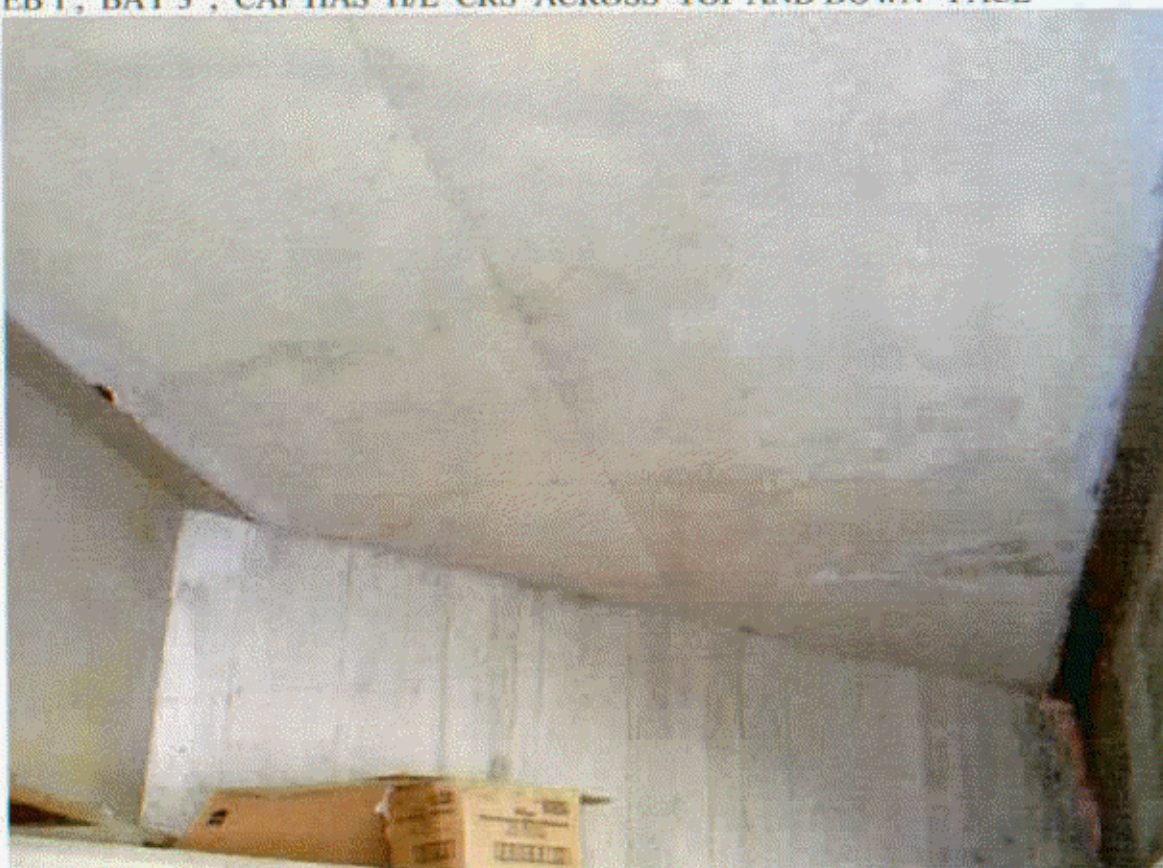
BT 2 SP 1 DIAPH RT OF BM 4 SPALLED W / EXPOSED REBAR



EB 1 RT EXTERIOR CURTAINWALL AND CAP HAVE H/L CRS, SIMILAR AT LT EXTERIOR CURTIANWALL.



EB 1, BAY 3, CAP HAS H/L CRS ACROSS TOP AND DOWN FACE



SP 1 BAY 1 AT EB 1, TRANS. AND DIAG H/L CRS W/ WFFLO AND RUST IN BOTTOM OF DECK

BR 50067

JOHNSTON COUNTY

10-7-99



CRS IN WEST APPR



AT EB 2, BAY 3 TRANS AND DIAG H/L CRS W/EFFLO



BT 1, RT END OF CAP HAS FEW VERT H/L CRS



BT 3 SP 4 DIAPH SPALLED LT OF BM 4, SIMILAR AT BM 2



BT 1 SP 1 LT ANCHOR BOLT MISSING, RIGHT IS ALSO MISSING, SIMILAR AT BM 2 LT AND RT. AND ALSO LT SIDE AT BM 3.