



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

ATTENTION:

BRIDGE INSPECTION REPORT

TYPE OF INSPECTION Routine

COUNTY JOHNSTON BRIDGE NUMBER 50037 INSPECTION CYCLE 2 YRS

ROUTE US301&701&NC96 ACROSS CSX RR M.P. 000+000

LOCATION 0.2 MI N JCT US701&US301

SUPERSTRUCTURE REINF. CONC. FLOOR ON I-BEAMS

SUBSTRUCTURE ABUTS:RC SPILL-THROUGH INT BNTS:RCP&B

SPANS 1@38';1@37'6";1@47'6";1@32'6";1@33'

PRESENT CONDITION FAIR INVENTORY RATING Hs-19

INSPECTION DATE 05/04/00 OPERATING RATING Hs-32

PRESENT POSTING NOT POSTED PROPOSED POSTING Retain: No Posting

COMPUTER UPDATE 7-12-00 WPP ANALYSIS DATE 6-6-00

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 500037
 (8) STRUCTURE NUMBER (FEDERAL) 000000001010037
 (5) INVENTORY ROUTE (ON/UNDER) - ON = 121003010
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 04
 (3) COUNTY CODE 101 (4) PLACE CODE 62520
 (6) FEATURES INTERSECTED - SEABOARD COASTLINE RR
 (7) FACILITY CARRIED - US301&701&NC96
 (9) LOCATION - 0.2 MI N JCT US701&US301
 (11) MILEPOINT 000.000
 (16) LATITUDE 35 D 27.7M (17) LONGITUDE 078 D 23.3M
 (98) BORDER BRIDGE STATE CODE PCT SHARE
 (99) BORDER BRIDGE STRUCTURE NO. ‡

***** 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 005
 (46) NUMBER OF APPROACH SPANS 0000
 (107) DECK STRUCTURE TYPE - CONCRETE C-I-F 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

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

(27) YEAR BUILT 1926
 (106) YEAR RECONSTRUCTED 1954
 (42) TYPE OF SERVICE: ON - HIGHWAY
 UNDER - RAILROAD CODE 12
 (28) LANES: ON STRUCTURE 02 UNDER STRUCTURE 00
 (29) AVERAGE DAILY TRAFFIC 009300
 (30) YEAR OF ADT 1996 (109) TRUCK ADT PCT 12
 (19) BYPASS, DETOUR LENGTH 06 MI

***** GEOMETRIC DATA *****

(48) LENGTH OF MAXIMUM SPAN 0048 FT
 (49) STRUCTURE LENGTH 000188 FT
 (50) CURB OR SIDEWALK: LEFT 01.5 FT RIGHT 01.5 FT
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 030.3 FT
 (52) DECK WIDTH OUT TO OUT 033.5 FT
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 024 FT
 (33) BRIDGE MEDIAN - NO MEDIAN CODE 0
 (34) SKEW 40 DEG (35) STRUCTURE FLARED NO
 (10) INVENTORY ROUTE MIN VERT CLEAR 99 FT 99 IN
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 30.3 FT
 (53) MIN VERT CLEAR OVER BRIDGE ROWY 99 FT 99 IN
 (54) MIN VERT UNDERCLEAR REF - RAILROAD 21 FT 05 IN
 (55) MIN LAT UNDERCLEAR RT REF - RAILROAD 11.3 FT
 (56) MIN LAT UNDERCLEAR LT 00.0 FT

***** NAVIGATION DATA *****

(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

SUFFICIENCY RATING = 45.5
 STATUS = STRUCTURALLY DEFICIENT

***** CLASSIFICATION ***** CODE

(112) NBIS BRIDGE LENGTH - YES
 (104) HIGHWAY SYSTEM - NHS ROUTE 1
 (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

***** CONDITION ***** CODE

(58) DECK 6
 (59) SUPERSTRUCTURE 6
 (60) SUBSTRUCTURE 4
 (61) CHANNEL & CHANNEL PROTECTION N
 (62) CULVERTS N

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

(31) DESIGN LOAD - HS 20+WOD 6
 (64) OPERATING RATING - LF HS-32 157
 (66) INVENTORY RATING - LF HS-19 134
 (70) BRIDGE POSTING - NO POSTING REQUIRED 5
 (41) STRUCTURE OPEN, POSTED, OR CLOSED A
 DESCRIPTION - OPEN, NO RESTRICTION

***** APPRAISAL ***** CODE

(67) STRUCTURAL EVALUATION 4
 (68) DECK GEOMETRY 3
 (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL 5
 (71) WATERWAY ADEQUACY N
 (72) APPROACH ROADWAY ALIGNMENT 6
 (36) TRAFFIC SAFETY FEATURES 0000
 (113) SCOUR CRITICAL BRIDGES N

***** PROPOSED IMPROVEMENTS *****

(75) TYPE OF WORK - REPLACE FOR DEFICIENCY CODE 311
 (76) LENGTH OF STRUCTURE IMPROVEMENT 000188 FT
 (94) BRIDGE IMPROVEMENT COST \$ 501,000
 (95) ROADWAY IMPROVEMENT COST \$ 50,000
 (96) TOTAL PROJECT COST \$ 651,000
 (97) YEAR OF IMPROVEMENT COST ESTIMATE 1999
 (114) FUTURE ADT 018600 (115) YEAR FUTURE ADT 2010

***** INSPECTIONS *****

(90) INSPECTION DATE 05/2000 (91) FREQUENCY 24 NO
 (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

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine INSPECTION DATE 05/04/00
 BRIDGE NO. 50037 COUNTY JOHNSTON ROUTE US301&701&N OVER CSX RR
 STRUCTURE TYPE REINF. CONC. FLOOR ON I-BEAMS YEAR BUILT 1926
 ROUTE ORIENTATION S To N FOR SPAN 1-5 OF 5

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 b. ALIGNMENT c. SCOUR d. SLOPE PROT., RIP-RAP, DIKES, ETC.
1 WEARING SURFACE		7		
2 DECK NO. OF EA. TYPE SPN. GRADE RATES SI & A ITEM 58	a. CONCRETE	05	6	
	b. TIMBER	00		
	c. STEEL PLANK	00		
	d. OPEN GRID	00		
			50 APPROACH ROADWAY CONDITION	5
			51 APPROACH SLABS	
			52 PAINT SYSTEM	CODE A 5
			53 UTILITIES	
3 RAILING		6	54 RESPONSE TO LIVE LOAD	8
			55 ESTIMATED REMAINING LIFE (YEARS)	10
			60 REGULATORY SIGN NOTICE ISSUED	N
			61 PROMPT - ACTION NOTICE ISSUED	Y
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)	10
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	4	
	e. OPEN JOINTS	00		
7 DECK DEBRIS (INCLUDE EXCESS SAND / GRAVEL)		6	a. DECK	ITEM 58 6
			b. SUPERSTRUCTURE	ITEM 59 6
			c. SUBSTRUCTURE	ITEM 60 4
			d. CHANNEL & CHANNEL PROT	ITEM 61 N
SUPERSTRUCTURE (FM. 1(90)b TRUSS) I			71 SI&A FIELD APPRAISAL RATINGS	
10 LONGITUDINAL BEAMS OR GIRDERS		6	a. WATERWAY ADAQUACY	N
11 LONGITUDINAL JOIST OR STRINGERS			b. APPR. RDWY. ALIGNMENT	6
12 INT. DIAP'S, X-FRAMES, BRACING, & CONN'S		8		
13 END DIAP'S, CURTAIN WALLS, & CONN'S		6		
14 FLOOR BEAMS AND CONNECTIONS				
15 BEARINGS ASSEMBLIES (INCLUDE MISALIGN)		4		
16 DRAINAGE SYSTEMS (ON STRUCTURES)		4	72 FIELD SCOUR EVALUATION	N
17 MOVABLE SPAN MACHINERY				
USE OF INSP. ACCESSIBILITY EQUIPMENT				
SUBSTRUCURE 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
	b. PILES, POST, SILLS, & BRACING		OVERSIDE LADDER	Y/N
	c. BULKHEADS, WING'S, & TIE BACKS		BUCKET TRUCK	Y/N
36 CONC. SUBSTR.	a. ABUT. & BENT CAPS	4	BOAT	Y/N
	b. ABUT. & BENT COL'S & BREASTWALLS	5	OTHER ()	Y/N
	c. ABUT. & INT. BENT PILES		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			
38 FOUNDATION PILES, TYPE MATERIAL				
39 SLOPE PROT., RIP - RAP (INCLUDE DRAINAGE)				
40 FENDER SYSTEM			80 INSPECTED BY: BOF	
41 DRIFT			81 REVIEWED BY: RAB	

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE ROUTINE INSPECTION DATE 11-12-97
 BRIDGE NO. 37 COUNTY JOHNSTON ROUTE US 301, 701 / NC 96 OVER CSX RAILROAD
 STRUCTURE TYPE I BMS & CONC. YEAR BUILT 1954
 LENGTH 188'-0 ROUTE ORIENTATION S-N FOR SPAN 1-5 OF 5 SPANS

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

INSPECTION ITEM			GRADE	ITEM 61	GRADE
DECK ITEMS				45 CHANNEL & CHANNEL PROT.	
1 WEARING SURFACE			7	a. WATERWAY	-
2 DECK	a. CONCRETE		5	b. ALIGNMENT	-
NO. OF EA. TYPE SPN.	b. TIMBER		-	c. SCOUR	-
GRADE	c. STEEL PLANK		-	d. SLOPE PROT., RIP - RAP, DIKES, ETC.	-
RATES	d. OPEN GRID		-	50 APPROACH ROADWAY CONDITION	5
SI & A ITEM 58				51 APPROACH SLABS	5
3 RAILING	a. CONCRETE		6	52 PAINT SYSTEMS	5
	b. TIMBER		-	53 UTILITIES	8
	c. ALUMINUM		-	54 RESPONSE TO LIVE LOAD	-
	d. STEEL		-	55 ESTIMATED REMAINING LIFE	-
4 CURBS - WHEELGUARDS - PARAPETS - MEDIANS			6	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	a. STEEL PL. OR FINGER PL.		-	62 PRESENTLY POSTED	N.P.
NO. OF EACH	b. MISC. PREFAB DEVICES		-	63 TOT. FIELD INSP. TIME (INCLUDE WRITE UP) (MM)	9.5H
	c. COMPRESSION SEALS		-	64 TOTAL SNOOPER INSP. TIME (HRS)	-
	d. STANDARD JOINTS	3	4	65 TOTAL TRAFFIC CONTROL TIME (MM)	-
	e. OPEN JOINTS		-		

7 DECK DEBRIS (INCLUDE EXCESS SAND / GRAVEL)			GRADE	70 SI&A GENERAL CONDITION RATINGS	
			6	a. DECK	6
				b. SUPERSTRUCTURE	6
				c. SUBSTRUCTURE	4
				d. CHANNEL & CHANNEL PROT.	-

SUPER. STR. (FM. 1 (90) B TRUSS) ITEM 59			GRADE	71 SI & A FIELD APPRAISAL RATINGS	
10 LONGITUDINAL BEAMS OR GIRDERS			6	a. WATERWAY ADAQUACY	-
11 LONGITUDINAL JOIST OR STRINGERS			-	b. APPR. RDWY. ALIGNMENT	6
12 INT. DIAP'S, X-FRAMES, BRACING, & CONN'S			8	72 FIELD SCOUR EVALUATION	-
13 END DIAP'S, CURTAN WALLS, & CONN'S			6		
14 FLOOR BEAMS AND CONNECTIONS			-		
15 BEARINGS ASSEMBLIES (INCLUDE MISALIGN)			4		
16 DRAINAGE SYSTEMS (ON STRUCTURES)			4		
17 MOVABLE SPAN MACHINERY			-		

SUB. STR ITEMS, ITEM 60 (INCLUDE SCOUR)			GRADE	USE OF INSP. ACCESSIBILITY EQUIPMENT	
35 TIM. SUB. STR.	a. ABUT. & INT. BENT CAPS & RISERS		-	SNOOPER (CODE P, S, 4 or N)	
	b. PILES, POST, SILLS, & BRACING		-	LADDER	Y/N
	c. BULKHEADS, WING'S, & TIE BACKS		-	OVERSIDE LADDER	Y/N
36 CONC. SUB. STR.	a. ABUT. & INT. BENT CAPS		4	BUCKET TRUCK	Y/N
	b. ABUT. & BENT COL'S & BREASTWALLS		5	BOAT	Y/N
	c. ABUT. & INT. BENT PILES		-	OTHER ()	Y/N
	d. BACKWALLS - WING'S - RETAIN. WALLS		6	SPECIAL INSPECTION REQUESTED FOR :	
	e. ABUT. AND BENT FOOTINGS & SILLS		-	NOTE:	
37 STEEL SUB. STR.	a. ABUT. & INT. BENT CAPS & RISERS		-		
	b. PILES AND BRACING AND BULKHEADS		-		
38 FOUNDATION PILES TYPE MATERIAL			-		
39 SLOPE PROT., RIP - RAP (INCLUDE DRAINAGE)			-		
40 FENDER SYSTEMS			-	80 INSPECTED BY :	BOF
41 DRIFT			-	81 REVIEWED BY :	JRW

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. 50037

Route S301&701&NC96

County JOHNSTON

Team Leader: BOF

Date: 05/04/00

Assisted By: BKD

Item No.	Description
2a	CONCRETE DECK-(6)- FAIR- FEW DIAGONAL CRACKS IN BOTTOM OF DECK, SOME W/EFFLO.
6d	STD EXPANSION JOINTS-(4)- POOR- JOINT MATERIAL LOW, CRACKED OR MISSING W/JOINTS LEAKING.
7	DECK DEBRIS-(6)- FAIR- MINOR SAND AND DEBRIS ALONG BOTH CURBS.
10	LONGITUDINAL BEAMS-(6) FAIR- BOTTOM FLANGES AND LOWER PORTION OF WEBS ARE RUSTING, PITTING AND FLAKING UPTO 3/32" LOSS OF SECTION (PHOTOS).
15	BEARING ASSEMBLIES-(4)- POOR- BEARINGS THRUOUT STRUCTURE ARE HEAVILY RUSTED AND EXPANSION SLOTS ARE FILLED W/RUST, CAUSING BUILDUPS TO SPALL AND CRACK AT BENTS 2 & 3. BEARINGS WILL NOT ALLOW FREE MOVEMENT. (PHOTOS).
16	DRAINAGE SYSTEM-(4)- POOR- EXPANSION JOINTS ARE LEAKING AND DEBRIS IN CURB AREAS IS OBSTRUCTING DRAINAGE.
36a	CONCRETE CAPS-(4)- POOR- BUILDUPS IN BT-2, SP-2 SIDE ARE CRACKED W/ CRKS EXTENDING FROM ANCHOR BOLTS (CRKS FROM H/L TO 1/2" WIDE AND SPALLING UNDER BEARING PLATES). FEW RANDOM H/L CRACKS IN FACES AND ENDS OF ALL CAPS (PHOTOS).
36b	CONCRETE COLUMNS/BREAST WALLS-(5)- FAIR- PEDEATALS AT BENTS 2 & 3 HAVE H/L TO 3/8" WIDE CRACKS AT C/L ROADWAY, THAT EXTEND ACROSS TOP AND DOWN BOTH SIDES. COLUMNS HAVE FEW H/L TO 1/16" VERTICAL AND HORIZONTAL CRACKS (PHOTOS)
50	APPROACH ROADWAY-(5)- FAIR- BOTH APPROACHES ARE HEAVILY CRACKED AND SETTLED (PHOTOS). THERE IS A WASHOUT IN SHOULDER THAT GOES UPTO EDGE OF PAVEMENT AND IS 18"+- DEEP, 50' FROM NE CORNER OF BRIDGE (PHOTOS).
52	PAINT SYSTEM-(5)- FAIR- BEAMS AND BEARINGS ARE RUSTING, PITTING AND PAINT PEELING/MISSING FROM RANDOM AREAS (PHOTOS).



BT-1, RT EXTERIOR BEARINGS RUSTINGS (ALL EXTERIOR BEARINGS SIMILAR, ALSO RANDOM INTERIOR BEARINGS)



BT-2; PEDESTAL HAS VERTICAL CRKS TO 3/16" DOWN BOTH SIDES AND ACROSS TOP (BT-3 HAS SIMILAR CRACKING)



BT-4, SP-5; BEARING AT BM-5 IS HEAVILY RUSTED



SP-5 AT END BT-2, BAY-4; DIAGONAL CRACKS W/EFFLO



DEBRIS ALONG RT CURB (LT CURB)



BT-3, SP-4; BUILDUP HAS H/L CRK UNDER BM-4 AND DIAPH IS SPALLED LT OF BM-4



BT-3, SP-4; BUILDUP IS CRKD TO 1/32" UNDER BM-3 AND RT ANCHOR BOLT IS HEAVILY RUSTED



BT-3, SP-4; BUILDUP UNDER BM-3 HAS HORIZ CRK TO 1/2" WIDE ON LT SIDE



BT-3, SP-4; BUILDUP UNDER BM-2 HAS CRK UPTO 1" WIDE ON RT SIDE



BT-3, SP-4; BUILDUP UNDER BM-2 HAS HORIZ CRK UPTO 3/4" ON LT SIDE AND BEARING HEAVILY RUSTED



BT-2, SP-2; BUILDUP UNDER BM-2 IS CRKD TO 7/16" AND BEARING SLOTS FILLED W/RUST



BT-2, SP-2; BM-1 BUILDUP IS CRKD TO 1/8" IN TWO PLACES



BT-2, SP-2; BM-3 HAS CRK TO 3/16" IN BUILDUP ON RT SIDE



BT-2, SP-2; BUILDUP UNDER BM-4 HAS CRK TO 1/2" ON RT SIDE (SIMILAR CRK ON RT SIDE OF BM-5 UPTO 1/2", AT BTS 2 & 3)



BT-2, BM-5 AND BEARINGS ARE HEAVILY RUSTED (OTHER EXTERIOR BEAMS SIMILAR)



BT-1, SP-2; DIAPH IN BAY-4 HAS HORIZ CRK TO 1/16" ALONG LOWER EDGE



BT-3, SP-4; I.T EXTERIOR DIAPH SPALLED

NORTH CAROLINA

DEPARTMENT of TRANSPORTATION

DIVISION of HIGHWAYS

BRIDGE MAINTENANCE UNIT

STRUCTURE DATA FILE

COUNTY JOHNSTON BRIDGE NO 500037

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 5-4-2000 BY BDF

B80028

BRIDGE MAINTENANCE UNIT
DATA ON EXISTING STRUCTURE

RUN DATE 07/12/00

COUNTY: JOHNSTON DIV.: 04 DIST.: 3 STRUCTURE NUMBER: 50 0037 LENGTH: 188 FEET

ROUTE CARRIED: US301&701&NC96 FEATURE INTERSECTED: SEABOARD COASTLINE RR

LOCATED: 0.2 MI N JCT US701&US301 BRIDGE NAME: -----

FUNC. CLASS: PAU SYST.ON: FA SYST.UNDER: ----- ADT & YR: 9300 96 RAIL TYPE: LT 111 RT 111

BUILT: 1926 BY: SHPWC PROJ: 2334 FED.AID PROJ: ----- DESIGN LOAD: HS20+MOD

REHAB: 1954 BY: SHPWC PROJ: 240 ALIGNMENT: TAN. SKEW: 050 LANES: ON 02 UNDER 00

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

SUPERSTRUCTURE: REINF. CONC. FLOOR ON I-BEAMS

SUBSTRUCTURE: ABUTS:RC SPILL-THROUGH, INT.BTS:RCP&B

SPANS: 1@38';1@37'6';1@47'6';1@32'6';1@33'

BEAMS OR GIRDERS: 5 LINES VARYING SIZE I-BEAMS @ 6'10 CENTERS

FLOOR: 6.5 RC/2 AWS ENCROACHMENTS: ----- DECK (OUT TO OUT): 033.5

CLEAR ROADWAY: 030.3 BETWEEN RAILS: 033 .3 SIDEWALK OR CURB: LT 01.5 RT 01.5

VERT.CL.OVER: 99 FT 99 IN VERT.CL.UNDER: 21 FT 05 IN HOR.CL.UNDER: 00.0 FT SPECIAL PERMIT: ---

INV.RTG.: HS- 19 OPE.RTG.: HS- 32 CONTR.MEMBER: ----- POSTED: SV -- TTST -- DATE 10 30 1980

SYSTEM: 4 PRIMARY GREEN LINE ROUTE: YES

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

REMARKS:

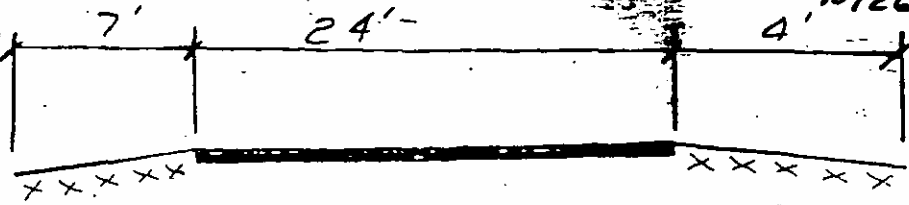
FOR
VERTICAL & HORIZONTAL CLEARANCES 805
S.4-2000

Bridge No. 37 County JOHNSTON Date 9/23/91 By

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

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

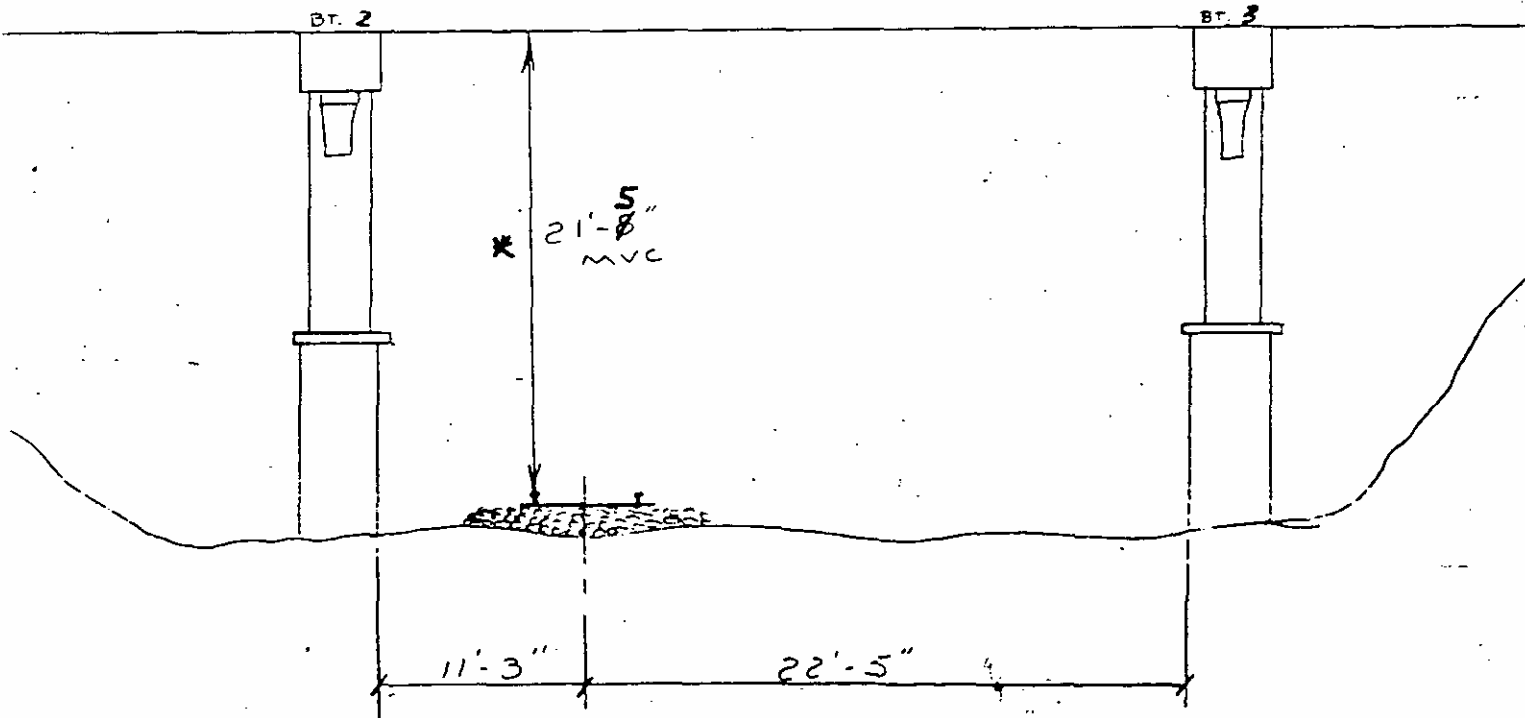
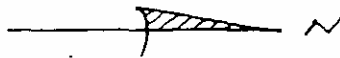
✓ 10-12-93 BOK
 ✓ 10/26/95
 4' 11-5-99



X = UNSTABLE

STRUCTURE DATA WORKSHEET

UNDERCLEARANCE



* TAKEN ON WEST SIDE

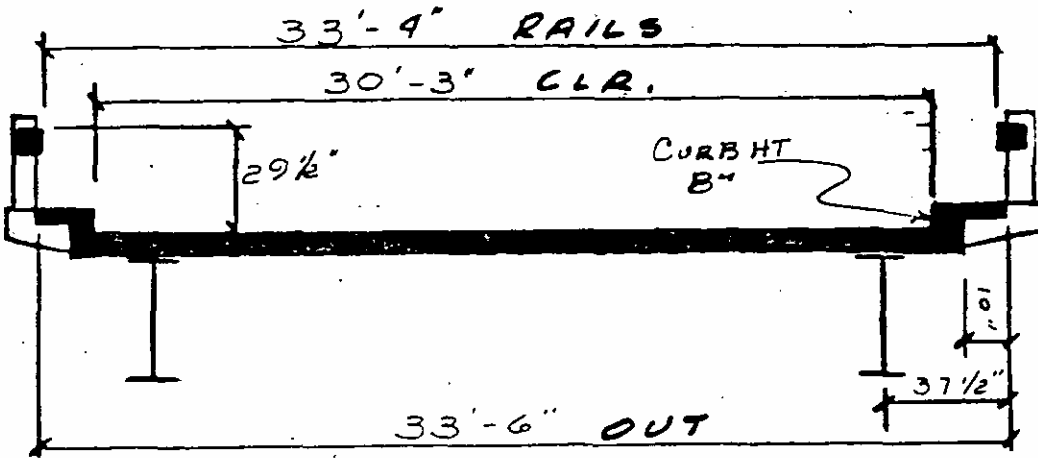
STRUCTURE DATA WORKSHEET

BRIDGE # 37

JOHNSTON CO.

Date 9/23/97

✓ 10-12-93
10/26/95
11-5-97



2"
AWS & 1 3/4"

SEE PLANS



LOOKING EAST



LOOKING WEST



LOOKING NORTH



LOOKING SOUTH



END BT-1 (#2 SIMILAR)



BT-2, SP-2 (#3 SIMILAR)



BT-2, SP-2 (#4 SIMILAR)



BT-4, RT END OF CAP AND SUPERSTRUCTURE



NW ATTACHMENT (SE SIMILAR)



NE ATTACHMENT (SW SIMILAR)



NE TERMINAL (ALL SIMILAR)