



NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MAINTENANCE UNIT

ATTENTION: _____

BRIDGE INSPECTION REPORT

TYPE INSPECTION: ROUTINE

COUNTY: CARTERET BRIDGE NO: 033 INSP. CYCLE: 02

ROUTE: US 70 ACROSS: NORTH RIVER

LOCATION: 5.5 MI N JCT NC 101 M.P.: _____

DESCRIPTION: FORTY SEVEN SPAN RC MONOLITHIC SLAB AND RAILS ON RC CAPS AND 12" □ PPC PILES.

PRESENT CONDITION: FAIR OPERATING RATING: ~~HS 13~~

INVENTORY RATING: ~~HS 8~~ ANALYSIS DATE: 9-5-96

INSPECTION DATE: 08/19/96 POSTING LETTER DATE: _____

COMPUTER UPDATE: 12-3-96 PRESENT POSTING: SV 28 TONS TTST LGW

PROPOSED POSTING: ~~RETAIN - SV-28 / TTST - L.G.W.~~

OTHER SIGNS PRESENT NONE

SPECIAL PERMIT N/A



SIGN ISSUED	NOTICE FOR	NUMBER REQUIRED
WEIGHT LIMIT	WEIGHT	LIMIT
SPECIAL PERMIT	SPECIAL PERMIT	
DELINEATORS	DELINEATORS	
NARROW BRIDGE	NARROW BRIDGE	
ONE LANE BRIDGE	ONE LANE BRIDGE	
LOW CLEARANCE	LOW CLEARANCE	

33 00 01

***** IDENTIFICATION *****

(1) STATE NAME - NORTH CAROLINA BRIDGE 15033
(8) STRUCTURE NUMBER #120007000160400
(5) INVENTORY ROUTE (ON/UNDER) - ON = 121000700
(2) STATE HIGHWAY DEPARTMENT DISTRICT 02
(3) COUNTY CODE 031 (4) PLACE CODE
(6) FEATURES INTERSECTED - NORTH RIVER
(7) FACILITY CARRIED - US70
(9) LOCATION - 5.5MI.N.JCT.NC101
(11) MILEPOINT 000.000
(16) LATITUDE 34 D 52.5M (17) LONGITUDE 077 D 33.4M
(98) BORDER BRIDGE STATE CODE PCT SHARE
(99) BORDER BRIDGE STRUCTURE NO. #

SUFFICIENCY RATING = 10.3
STATUS = STRUCTURALLY DEFICIENT

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

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

(43) STRUCTURE TYPE MAIN: CONCRETE CONTINUOUS
TYPE - SLAB CODE 201
(44) STRUCTURE TYPE APPR: OTHER
TYPE - OTHER CODE 000
(45) NUMBER OF SPANS IN MAIN UNIT 047
(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 - CONCRETE CODE 1
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- OTHER 02
(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

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

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

(27) YEAR BUILT 1959
(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 008100
(30) YEAR OF ADT 1993 (109) TRUCK ADT PCT 14
(19) BYPASS, DETOUR LENGTH 99 MI

(58) DECK 6
(59) SUPERSTRUCTURE 6
(60) SUBSTRUCTURE 4
(61) CHANNEL & CHANNEL PROTECTION 8
(62) CULVERTS N

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

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

(48) LENGTH OF MAXIMUM SPAN 0025 FT
(49) STRUCTURE LENGTH 001028 FT
(50) CURB OR SIDEWALK: LEFT 01.6 FT RIGHT 01.6 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 028.0 FT
(52) DECK WIDTH OUT TO OUT 031.5 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 024 FT
(33) BRIDGE MEDIAN - NO MEDIAN CODE 0
(34) SKEW 00 DEG (35) STRUCTURE FLARED NO
(10) INVENTORY ROUTE MIN VERT CLEAR 99 FT 99 IN
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 28.0 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

(31) DESIGN LOAD - HS 15 3
(64) OPERATING RATING - HS-13 223
(66) INVENTORY RATING - HS-08 214
(70) BRIDGE POSTING - POSTING REQUIRED 4
(41) STRUCTURE OPEN, POSTED, OR CLOSED P
DESCRIPTION - POSTED FOR LOAD

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

(67) STRUCTURAL EVALUATION 2
(68) DECK GEOMETRY 4
(69) UNDERCLEARANCES, VERTICAL & HORIZONTAL N
(71) WATERWAY ADEQUACY 8
(72) APPROACH ROADWAY ALIGNMENT 8
(36) TRAFFIC SAFETY FEATURES 0000
(113) SCOUR CRITICAL BRIDGES T

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

(75) TYPE OF WORK - REPLACE FOR DEFICIENCY CODE 311
(76) LENGTH OF STRUCTURE IMPROVEMENT 001028 FT
(94) BRIDGE IMPROVEMENT COST \$ 2,210,000
(95) ROADWAY IMPROVEMENT COST \$ 221,000
(96) TOTAL PROJECT COST \$ 2,702,000
(97) YEAR OF IMPROVEMENT COST ESTIMATE 1996
(114) FUTURE ADT 016200 (115) YEAR FUTURE ADT 2010

***** INSPECTIONS *****

***** 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

(90) INSPECTION DATE 08/96 (91) FREQUENCY 24 MO
(92) CRITICAL FEATURE INSPECTION: (93) CFI DATE
A) FRACTURE CRIT DETAIL - NO - MO A) /
B) UNDERWATER INSP - YES - 48 MO B) 09/93
C) OTHER SPECIAL INSP - NO - MO C) /
SCOUR - NOT EVALUATED

BRIDGE INSPECTION RECORD AND SUMMARY

1-A

BRIDGE NO 033 INSPECTION TYPE ROUTINE INSPECTION DATE 08/19/96
 COUNTY CARTERET ROUTE US 70 OVER NORTH RIVER
 STRUCTURE TYPE RC SLAB YEAR BUILT 1959 LENGTH 1028'0"
 FOR SPAN 1-47 OF 47 SPANS ROUTE ORIENTATION W-E

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

INSPECTION ITEMS			
DECK ITEMS			GRADE
1. WEARING SURFACE			
2. DECK NO OF EACH TYPE SPAN GRADE RATES SI&A ITEM 58	A. CONCRETE	47	6
	B. TIMBER		
	C. STEEL PLANK		
	D. OPEN GRID		
3. RAILING	A. CONCRETE		7
	B. TIMBER		
	C. ALUMINUM		
	D. STEEL		
4. CURBS-WHEELGUARDS-PARAPETS-MEDIANS			7
5. WALKWAY ON OR ATTACHED TO STRUCTURE			
6. DECK EXP JOINTS OR DEVICES NUMBER OF EACH	A. STEEL FINGER PLATE		
	B. MISC PREFAB DEVICE		
	C. COMPRESSION SEAL		
	D. STANDARD JOINTS	10	7
	E. OPEN JOINTS		
7. DECK DEBRIS (EXCESS SAND/GRAVEL)			6

SUPERSTR (FM 1(90)B TRUSS) ITEM 59			
10. LONGITUDINAL BEAMS OR GIRDERS			
11. LONGITUDINAL JOIST OR STRINGERS			
12. INT DIAP'S, X-FRAMES, BRACING, CONN			
13. END DIAP'S, CURTAIN WALLS, & CONN			
14. FLOOR BEAMS AND CONNECTIONS			
15. BEARING ASSEM. INCLUDE MISALIGNMENT			
16. DRAINAGE SYSTEM ON STRUCTURE			
17. MOVEABLE SPAN MACHINERY			

SUBSTR ITEMS, ITEM 60 (INCLUDE SCOUR)			
35. TIM SUBSTR	A. ABUT & INT BT CAP		
	B. PILES, POSTS, SILLS, BRACING		
	C. BLKHEADS, WINGS, TIEBACKS		
36. CONC. SUBSTR	A. ABUT & INT BT CAPS		5
	B. ABUT & BT COL'S BREASTWALLS		
	C. ABUT & INT BT PILES		4
	D. BACKWALLS, WINGS, RETAIN WALL		7
37. STL SUBSTR	A. ABUT & INT BT CAPS RISERS		
	B. PILES, BRACING		5
38. FOUNDATION PILES, TYPE MATERIAL			
39. SLOPE PROT, RIPRAP, INCLUDE DRAINAGE			
40. FENDER SYSTEMS			
41. DRIFT			

ITEM 61		GRADE
45. CHANNEL AND CHANNEL PROTECTION	A. WATERWAY	8
	B. ALIGNMENT	8
	C. SCOUR	8
	D. SLOPE PROT, RIPRAP, DIKE	
50. APPROACH ROADWAY CONDITION		
51. APPROACH SLABS		
52. PAINT SYSTEMS CODE ()		
53. UTILITIES		
54. RESPONSE TO LIVE LOAD		
55. ESTIMATED REMAINING LIFE		17YRS

60 SIGN NOTICE ISSUED	NO
61 P/A NOTICE ISSUED	NO
62 PRESENT POSTING	28TONS/LGW
63 TOTAL FIELD INSP TIME	10 MH
64 TOTAL SNOOPER INSP TIME	
65 TOTAL TRAFFIC CONTROL TIME	

70 SI&A GENERAL CODITION RATING		
A DECK	ITEM 58	6
B SUPERSTRUCTURE	ITEM 59	6
C SUBSTRUCTURE	ITEM 60	4
D CHANNEL&PROT	ITEM 61	8

71 SI&A FIELD APPRASIAL RATING		
A WATERWAY ADAQUACY		8
B APPR. RDWAY ALIGNMENT		8
72 FIELD SCOUR EVALUATION		0

USE OF INSP ACCESSIBILITY EQUIPMENT		
SNOOPER(CODE P,S,4,OR N)		N
LADDER	Y/N	N
OVERSIDE LADDER	Y/N	N
BUCKET TRUCK	Y/N	N
BOAT () 10' / (X) 17'	Y/N	Y
OTHER ()	Y/N	N

SPECIAL INSP REQUESTED		
FATHOMETER BY DIVERS		
NOTE:		
REC # 369		
80 INSPECTED BY: G A CROCKER		
81 REVIEWED BY: JRJ		SH OF

BRIDGE INSPECTION RECORD AND SUMMARY

BRIDGE NO 33 INSPECTION TYPE ROUTINE INSPECTION DATE 07/14/94
 COUNTY CARTERET ROUTE US 70 OVER NORTH RIVER
 STR TYPE RC SLAB YEAR BUILT 1959 LENGTH 1028'0"
 FOR SPAN 1-47 OF 47 SPANS ROUTE ORIENTATION W-E

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

	1. WEARING SURFACE	[]
	A. CONCRETE (47)	[6]
D	2. DECK NO OF	[]
E	EACH TYPE	[]
C	SPAN	[]
K	A. CONCRETE	[7]
	B. TIMBER	[]
	C. ALUMINUM	[]
I	D. STEEL	[]
T	3. RAILING	[]
E	4. CURBS-WHEELGUARDS-PARAPETS-MEDIANS	[7]
M	5. WALKWAY ON OR ATTACHED TO STRUCTURE	[]
S	A. STEEL FINGER PLATE ()	[]
	B. MISC PREFAB DEVICE ()	[]
	C. COMPRESSION SEAL ()	[]
	D. STANDARD JOINTS (10)	[7]
	E. OPEN JOINTS ()	[]
-	6. DECK EXP	[]
S	JTS/DEVICES	[]
	NO. OF EACH	[]
	7. DECK DEBRIS	[6]
I	10. LONGITUDINAL BEAMS OR GIRDERS	[6]
&	11. LONGITUDINAL JOIST OR STRINGERS	[]
A	12. INT DIAP'S, X-FRAMES, BRACING, CONN	[]
#	13. END DIAP'S, CURTAIN WALLS, CONN	[]
5	14. FLOOR BEAMS AND CONNECTIONS	[]
9	15. BEARING ASSEM. INCLUDE MISALIGNMENT	[]
	16. DRAINAGE SYSTEM ON STRUCTURE	[6]
	17. MOVEABLE SPAN MACHINERY	[]
S	A. ABUT & INT BT CAPS	[]
I	35. TIM	[]
&	SUBSTR	[]
A	A. ABUT & INT BT CAPS	[5]
#	36.	[]
6	CONC.	[4]
0	SUBSTR	[7]
S	E. ABUT & BT FOOTINGS, SILLS	[]
C	37. STL	[]
O	SUBSTR	[5]
U	B. PILES, BRACING	[]
R	38. FOUNDATION PILES, TYPE MATERIAL	[]
#	39. SLOPE PROT, RIPRAP, INCLUDE DRAINAGE	[8]
6	40. FENDER SYSTEMS	[]
1	41. DRIFT	[]
	45. CHANNEL	[8]
	& CHANNEL	[8]
	PROTECTION	[8]
	D. SLOPE PROT. RIPRAP, DIKES	[]
-	50. APPROACH ROADWAY CONDITION	[8]
	51. APPROACH SLABS	[]
	52. PAINT SYSTEMS CODE ()	[]
	53. UTILITIES	[7]
	54. RESPONSE TO LIVE LOAD	[8]
	55. ESTIMATED REMAINING LIFE [19YRS]	[]

60	SIGN NOTICE ISSUED	[NO]
61	P/A NOTICE ISSUED	[NO]
62	PRESENT POSTING	[28 TONS & LGW]
63	TOTAL FIELD INSP TIME	[18 MH]
64	SPECIAL INSP REQUESTED	
	FATHOMETER BY DIVERS	!!
		!

70	SI&A GENERAL CODITION RATING
A	DECK ITEM 58 [6]
B	SUPERSTRUCTURE ITEM 59 [6]
C	SUB STRUCTURE ITEM 60 [4]
D	CHANNEL & PROT ITEM 61 [8]

71	SI&A FIELD APPRASIAL RATING
A	WATERWAY ADAQUACY [8]
B	APPR. RDWAY ALIGNMENT [8]

72	FIELD SCOUR EVALUATION [0]
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NOTE: _____

80	INSPECTED BY	G A CROCKER
81	REVIEWED BY	JRJ

BRIDGE I & A FORM
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
& HIGHWAY SAFETY
BRIDGE MAINTENANCE UNIT
BRIDGE INSPECTION SECT.

FIELD INSPECTION REPORT

BRIDGE INSPECTION & ANALYSIS

BRIDGE NO 033
ROUTE US 70
COUNTY CARTERET

TEAM LEADER G A CROCKER

DATE 08/19/96

ASSISTED BY B G LITTLETON, JR

2A RC DECK (6) HL TRANSVERSE CRACKS, MAP CRACKS, W/ SURFACE PITTING THRU OUT. SP 38 AND 42 HAVE MODERATE DELAMINATION AT BOTTOM FACE 3' +/- OUT FROM CAP.

SP 5 HAS ROTATED 1" +/- SOUTH OVER BT 5 CAP.

36A RC ABUT AND BT CAPS (5) BT 4 CAP IS SPALLED 6" X 6" X 3" DEEP ALONG SP 4 FACE FROM P 1 TO P 3 W/ REBAR EXPOSED FULL LENGTH OF SPALL. HL TO 1/16" CRACK W/ DELAMINATION TO LT OF P 4. CAP IS ALSO CRACKED AND DELAMINATED AT BOTTOM FACE LT AND RT OF P 2 AND FROM P 3 TO P 4 AT SP 5 SIDE.

BT 6 CAP HAS A 6" DIAMETER SPALL W/ REBAR EXPOSED OVER P 1 AT SP 6 SIDE.

BT 19 CAP IS SPALLED W/ REBAR EXPOSED BETWEEN P 1 AND 2 AT SP 20 FACE.

(6) BT 10 CAP HAS MINOR SURFACE SPALLING ADJACENT TO DECK AT SP 10 SIDE.

BT 2 SP 2, BT 15 SP 15, BT 37 SP 38 CAPS SPALLED SIMILAR TO BT 10.

OTHER BT CAPS HAVE HL CRACKS, MINOR TO MODERATE DELAMINATION AND SURFACE SPALLING AT RANDOM.

36C RC ABUT AND BT PILES (4) BASED ON UNDERWATER REPORT DATED 09/08/93.

(5) P 3 BT 3 HAS A MODERATE SPALL W/ CABLE EXPOSED AT SE CORNER, P 4 BT 40 SIMILAR EXCEPT AT NE CORNER.

P 2 BT 14, P 1 BT 20, P 1 BT 33, SPALLED AREAS WERE NOT COMPLETELY ENCASED W/ CONCRETE COLLAR.

37B STEEL PILES (5) P 1 BT 40 REPLACED W/ STEEL H-PILES AND CROSSCAP. RUSTED W/ SECTION LOSS TO 1/8" +/-.

50 APPROACHES (7) MODERATE EROSION OF SW APPROACH FILL DUE TO HURRICANE BERTHA.

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

BRIDGE 033 COUNTY CARTERET DIVISION 2ND
 INSPECTED BY GAC/BGL DATE 08/19/96 CHECKED BY JRJ DATE 8-26-96

THESE REPAIRS SHOULD BE MADE WITHIN TWELVE MONTHS FROM DATE OF THIS INSPECTION

CODE	DESCRIPTION OF FUNCTION	UNIT	QUANTITY	REMARKS	EST COST
552	COMPLETE CLEAN AND PAINT OF STR STEEL	SQFT	120	CLEAN AND PAINT STEEL PILES AND CROSS CAP AT BT 40.	
556	BRIDGE APPROACH	MH	40	REPLACE SW APPROACH FILL.	
581	MAINT OF RC PILES	MH	50	PATCH SPALLS, SEAL CRACKS AT BT 19,SP 20.	
560	MAINT OF RC FLOORS	SQFT	50	PATCH BOTTOM OF DECK AT SP 38 AND 42.	
581	MAINT OF RC PILE SUBSTR	MH	120	EXTEND COLLAR AT P 2 BT 14,P 1 BT 20,P 1 BT 33.	
581	MAINT OF RC PILE SUBSTR	MH	80	COLLAR P 4 BT 40,P 2 BT 42,P 3 BT 3.	
581	MAINT OF RC PILE SUBSTR	MH	150	PATCH SPALLS, SEAL CRACKS AT BT 2 SP 2,BT 3 SP 3,BT 6 SP	
581	MAINT OF RC PILE SUBSTR	MH	150	PATCH SPALLS, SEAL CRACKS AT BT 4 SP 4 & 5,BT 10 SP 10.	
581	MAINT OF RC PILE SUBSTR	MH	100	PATCH SPALLS, SEAL CRACKS AT BT 15 SP 15,BT 37 SP 38.	

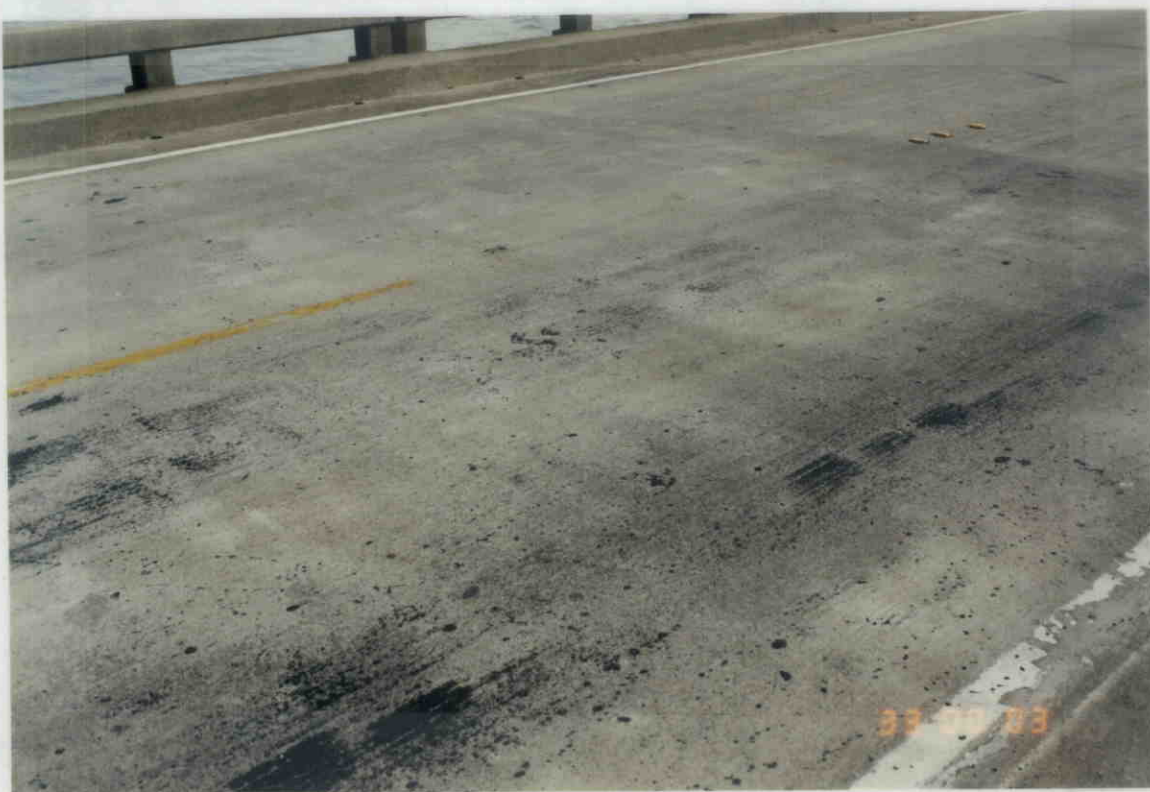
BRIDGE# 33

COUNTY CARTERET

DATE: 8-19-96



SIM. APPROACH (W)"



SIM. DECK

BRIDGE# 33

COUNTY CARTERET

DATE: 8-19-96



SIM. DECK CONST. JOINTS.



SIM. EXP. JOINTS.

BRIDGE # 33

COUNTY CARTERET

DATE: 8-19-96



SIM. CRACKS/DELAM.
@ RANDOM CAPS.



SIM. SPALLS @ BT.
CAPS. (BT.4, SPAN4)

BRIDGE# 33

COUNTY CARTERET

DATE: 8-19-96



P-1, BENT 40



P-1, BENT 40

BRIDGE# 33

COUNTY CARTERET

DATE: 8-19-96



P-1, BENT 20



SIM. CRACKS WITH RUST STAINS.

BRIDGE# 33

COUNTY CARTERET

DATE: 8-19-96



SIM. APPROACH RDWY.
ALIGNMENT (W)

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
BRIDGE MAINTENANCE UNIT

STRUCTURE DATA FILE

COUNTY CARTERET BRIDGE NO 033

CONTENTS DATA CARD
STRUCTURE DATA WORKSHEET
STREAM BED SOUNDINGS & PROFILE SKETCH
FORM 501 OR 502
FORM BMD-9
RETURNED PROMPT 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

SEE NEW STRUCTURE DATA FILE

BZH/8-18-98

DATE 08/19/96

INSPECTOR

G A CROCKER

T80028

BRIDGE MAINTENANCE UNIT
DATA ON EXISTING STRUCTURE

RUN DATE 12/03/96

COUNTY: DIV.: DIST.: STRUCTURE NUMBER: LENGTH:
CARTERET 02 2 15 033 1028 FEET

ROUTE CARRIED: FEATURE INTERSECTED:
US70 NORTH RIVER

LOCATED: BRIDGE NAME:
5.5MI.N.JCT.NC101

FUNC. CLASS: SYST.ON: SYST.UNDER: ADT & YR: RAIL TYPE:
PAR FA ----- 8100 93 LT 111 RT 111

BUILT: BY: PROJ: FED.AID PROJ: DESIGN LOAD:
1959 SHC 8.12038 S-1156(HS-15

REHAB: BY: PROJ: ALIGNMENT: SKEW: LANES:
----- TAN. 090 ON 02 UNDER 00

NAVIGATION: HT.CRN.TO BED: WATER DEPTH:
VC --- FT HC ---- FT 21 FT 10 FT

SUPERSTRUCTURE:
CONT.REINFORCED CONCRETE MONOLITHIC SLAB

SUBSTRUCTURE:
E.BENTS&INT.BENT:RC CAP/PRESTR.CONC.PILES@VAR.CTS.

SPANS:
1@23';22@21'9';1@25';22@21'9';1@23' CONT.

BEAMS OR GIRDERS:
CONT.REINFORCED CONCRETE MONOLITHIC SLAB

FLOOR: ENCROACHMENTS: DECK (OUT TO OUT):
RC/NO AWS ----- 031.5

CLEAR ROADWAY: BETWEEN RAILS: SIDEWALK OR CURB:
028.0 031 .3 LT 01.6 RT 01.6

VERT.CL.OVER: VERT.CL.UNDER: HOR.CL.UNDER: SPECIAL PERMIT:
99 FT 99 IN 00 FT 00 IN 00.0 FT N/A

INV.RTG.: OPE.RTG.: CONTR.MEMBER: POSTED:
HS- 8 HS- 13 SLAB SV 28 TTST LM DATE 06 03 80

OLD BRIDGE #: SYSTEM: GREEN LINE ROUTE:
70 -016-040 4 PRIMARY NO, BUT HAS ALLOW. WTS

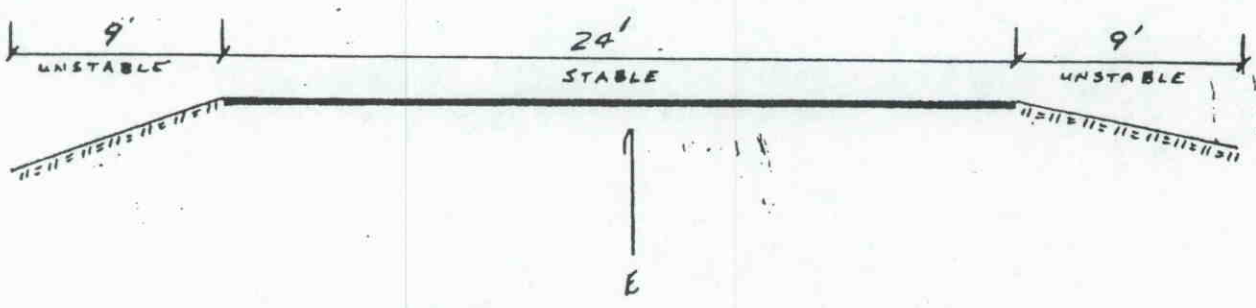
2ND OPENING: 3RD OPENING: 4TH OPENING: 5TH OPENING:

REMARKS:

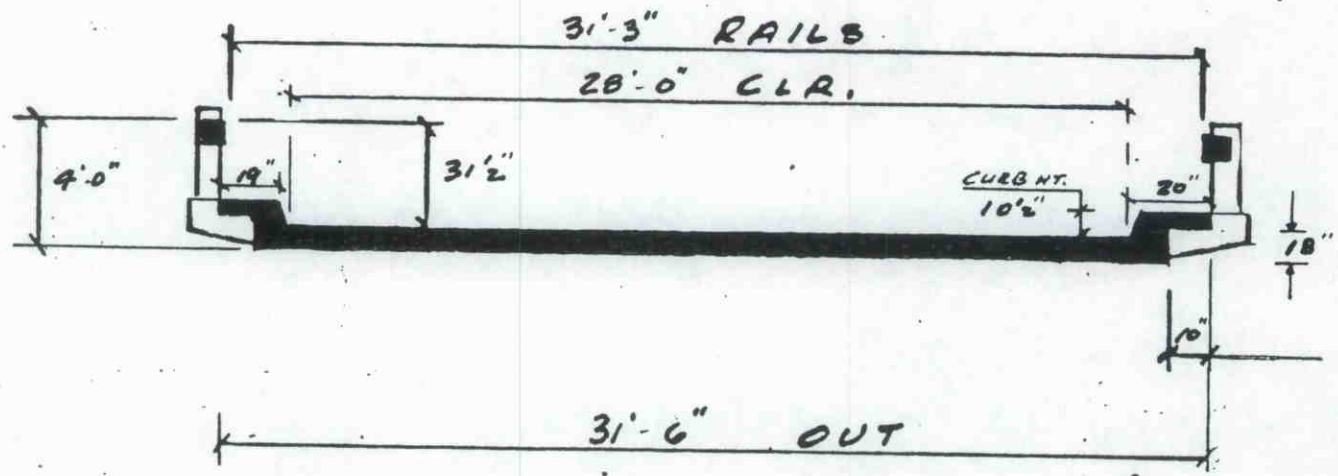
FIELD SKETCH FOR VERTICAL AND HORIZONTAL CLEARANCES

BRIDGE NO. 33 COUNTY CARTERET DATE 8-19-26 BY BGL

APPROACH ROADWAY WIDTH (S&A ITEM 32)



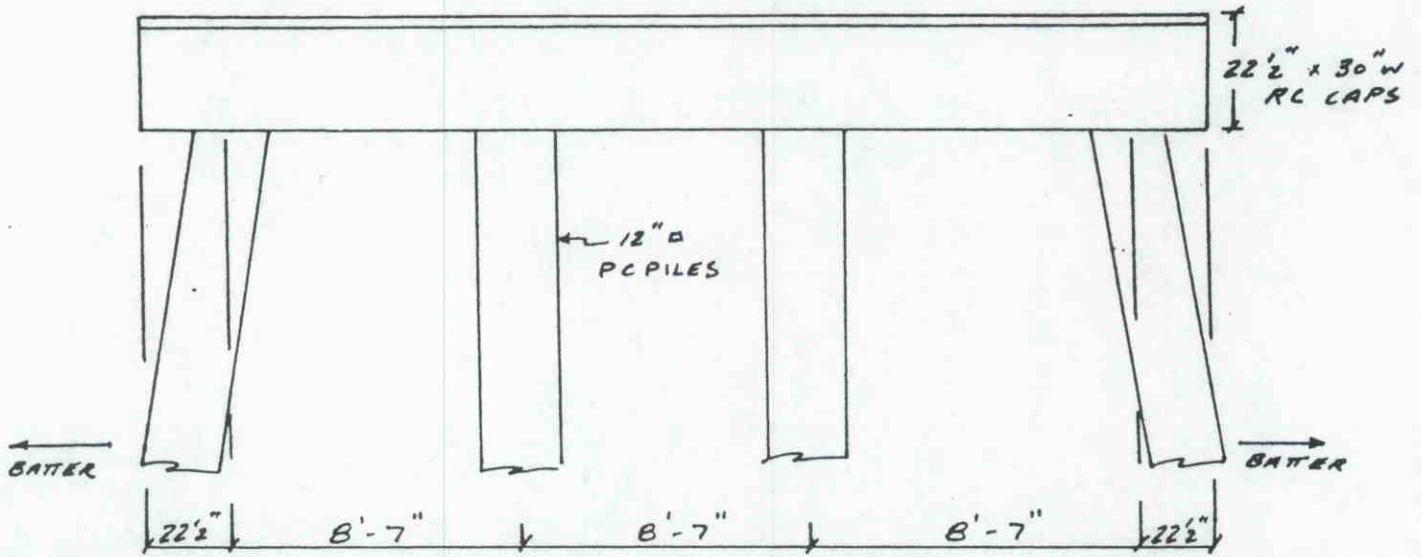
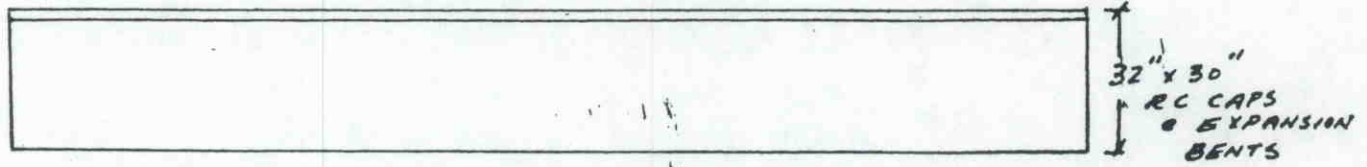
STRUCTURE DATA WORKSHEET



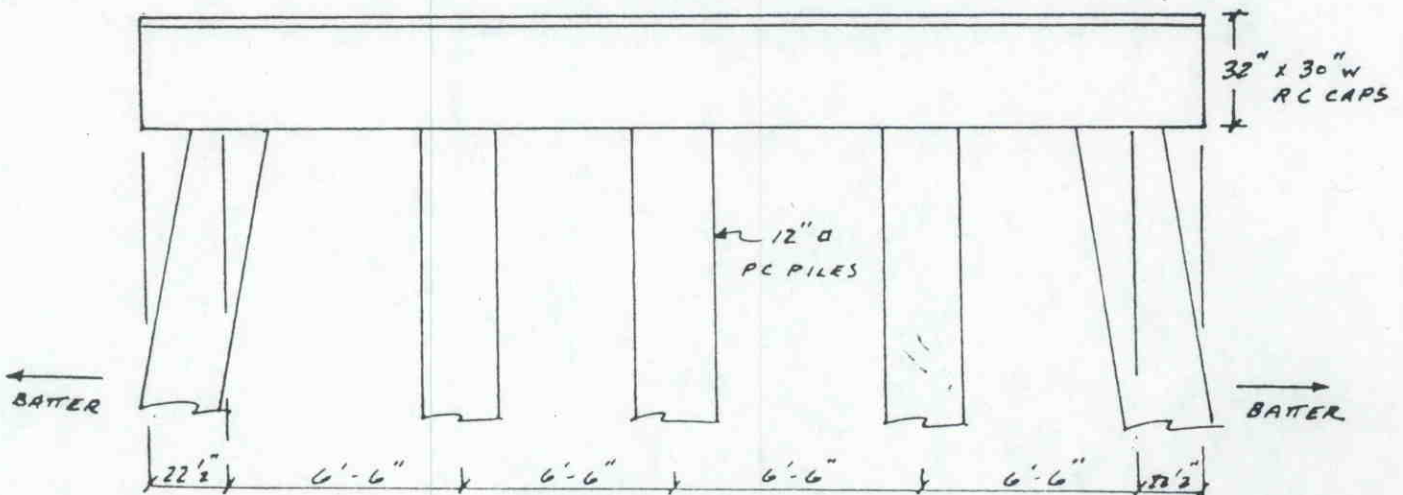
COLLARED PILES

BT. 1 P. 1-4, P. 1 BT. 2, P. 1 BT. 3, P. 4 BT. 6, P. 1 BT. 7-9,
P. 2 BT. 10, P. 2-3 BT. 11, P. 2-4 BT. 13, P. 2 BT. 14,
P. 2-4 BT. 15, P. 1-3 BT. 17, P. 1 BT. 18, P. 1-4 BT. 19,
P. 1, 2, 3 BT. 20, P. 3 BT. 21, P. 1 BT. 25, P. 3-4 BT. 31,
P. 1-4 BT. 33, P. 1 BT. 44, P. 1-4 BT. 46

TYP. OF INTERIOR BENTS
(ABUTS. NOT VISIBLE)
FOR DETAIL

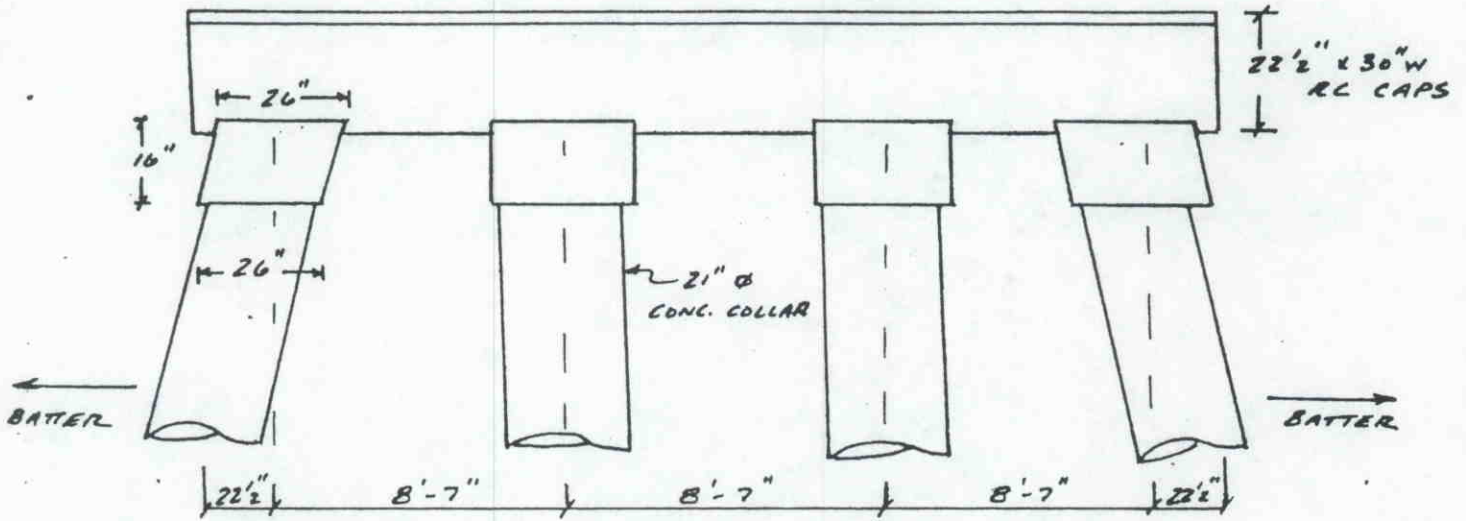


TYP. OF INT. BENTS 23 & 24

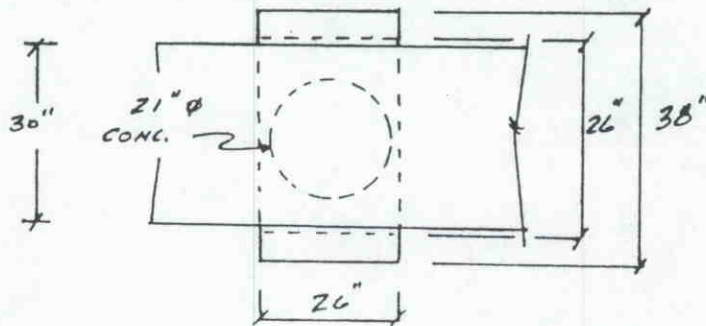


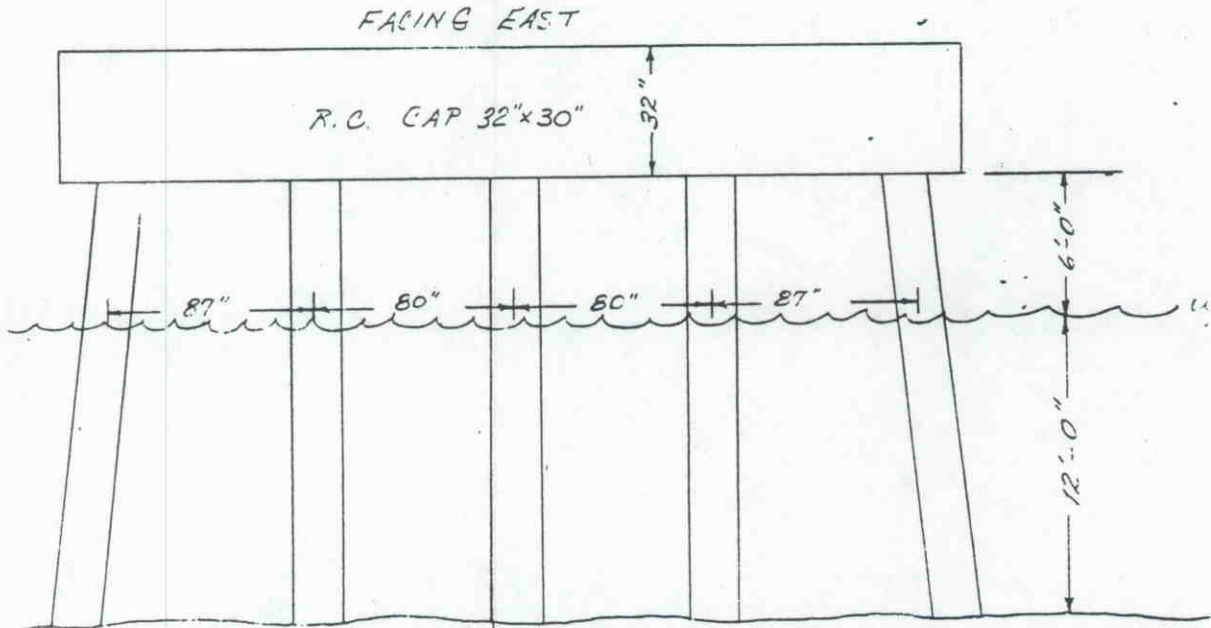
CARTER ET
73
BGL
8-19-96

TYP. OF INTERIOR BTS. 1 + 96

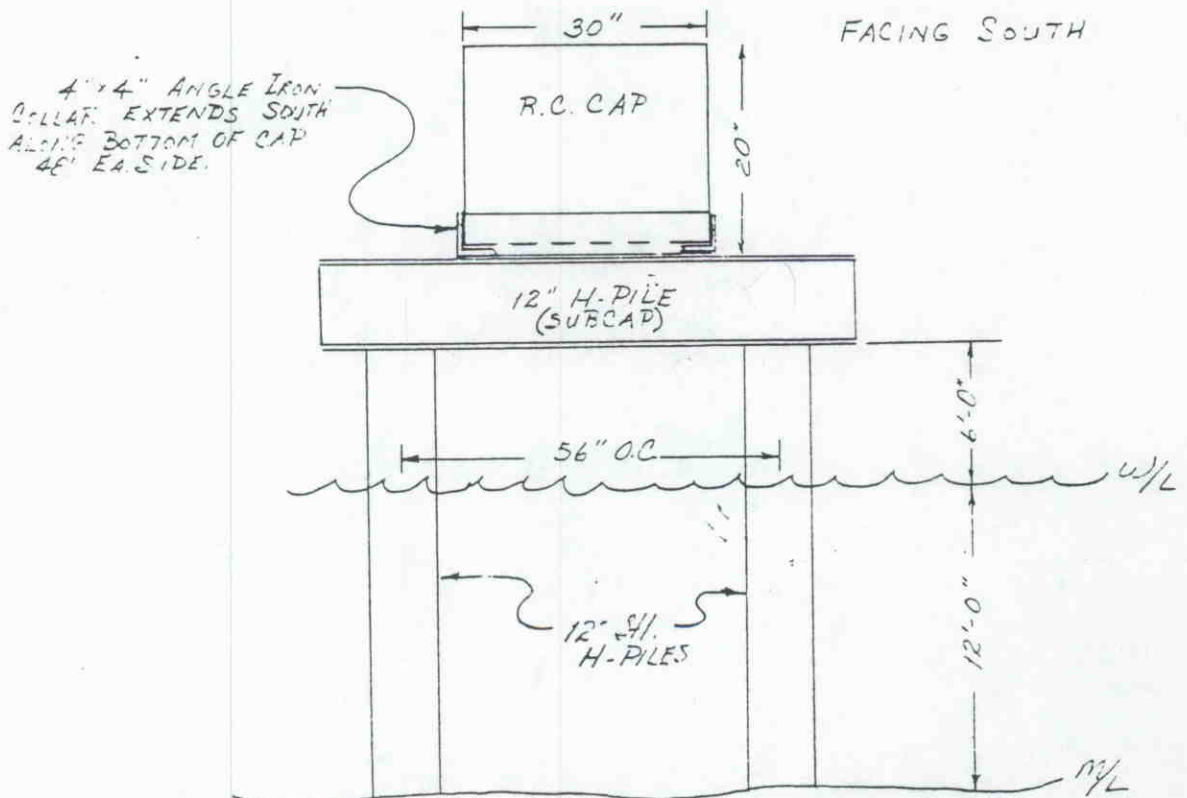


PLAN VIEW OF TYP. PEDESTAL





TYPICAL BENT "0"
Bts. #23 & #24



BT.#40 REPAIR ON N. END : P. 1

FATHOMETER PROFILE BT 2-45

BT#	S. SIDE	DEPTH
2		4.25'
3		4.5'
4		4.75
5		4.1'
6		4.9'
7		4.5'
8		4.5'
9		5.5'
10		5.25'
11		5.9'
12		5.75'
13		5.5'
14		5.5'
15		5.75'
16		5.5'
17		5.25'
18		6.0'
19		7.0'
20		9.0'
21		9.0'
22		9.25'
23		9.5'
24		9.1'
25		9.1'
26		8.75'
27		8.5'
28		8.0'
29		7.0'
30		6.1'
31		6.0'
32		6.0'
33		6.1'
34		6.0'
35		6.0'
36		6.0'
37		6.0'
38		6.0'
39		5.5'
40		4.5'
41		4.5'
42		3.9'
43		3.0'
44		2.1'
45		2.0'

W/L TO BOTTOF CAP BT. # 38 6.3'

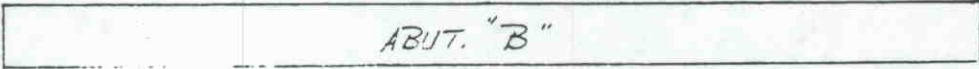
BT#	N. SIDE	DEPTH
2		3.5'
3		4.0'
4		4.0'
5		4.25'
6		5.0'
7		5.0'
8		5.5'
9		5.25'
10		5.25'
11		5.5'
12		5.25'
13		5.1'
14		5.0'
15		5.1'
16		5.1'
17		5.5'
18		6.5'
19		8.25'
20		9.0'
21		9.75'
22		10.0'
23		10.1'
24		9.5'
25		9.75'
26		9.0'
27		8.25'
28		7.5'
29		7.0'
30		6.1'
31		7.0'
32		7.0'
33		7.0'
34		6.9'
35		6.75'
36		6.9'
37		6.25'
38		6.0'
39		5.5'
40		5.0'
41		4.75'
42		3.9'
43		3.5'
44		2.5'
45		2.1'

9/21/93
LATERET #33

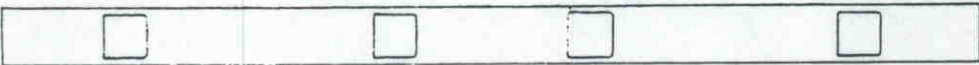
NOTE RUN TAKEN 6.0' FROM BT.

205 3-24-83

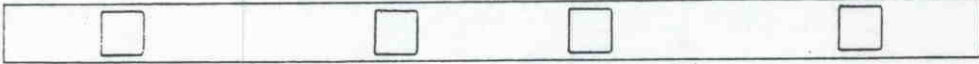
4' DEEP, TOP 1' IS 3" T. GATTON 2
IS SAND/MUD MIX (EXPL - 2 BT. 2
THRU BT. 45



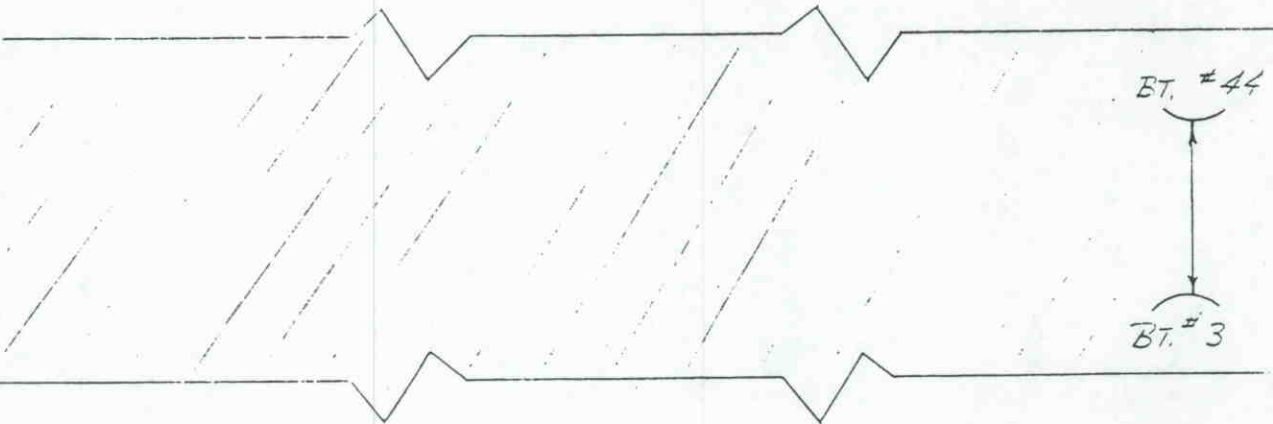
STONE RIP-RAP 4.0



BT#46

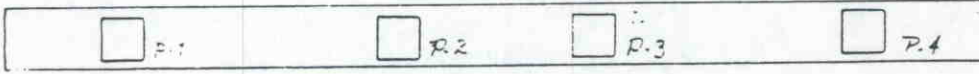


BT. #45



BT. #44

BT. #3

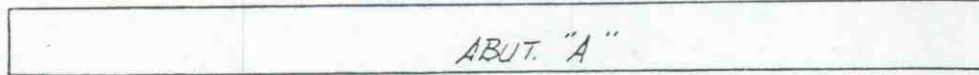


BT. #2



BT. #1

STONE RIP-RAP



ABUT. "A"



BRIDGE# 33

COUNTY CARTERET

DATE: 8-19-96



SIM. ABUT. (1)



SIM. INTERIOR BT.