

SCDOT BRIDGE INSPECTION FORM

39 of 247

(008) BRIDGE ID: 2620070100100 (009) LOCATION: 11.5 MI S CONWAY
(005) ROUTE: HORRY US 701 (026) FUNCTIONAL CLASS: 03
(006) CROSSING: GREAT PEE DEE OVERFLOW

GENERAL BRIDGE DATA

	EXISTING	REVISED		EXISTING SUP-SUB	REVISED SUP-SUB
(027) YEAR BUILT	1953		TYPE STRUCTURE		
(106) YEAR RECON	0		(043) MAIN ORIGINAL (A)	1 04 1	
(031) DESIGN LOAD	3		MAIN RECONST (B)		
(032) APPR RDWAY	40		(044) APPR ORIGINAL (A)	0 00 0	
(033) BRIDGE MEDIAN	0		APPR RECONST (B)		
(034) SKEW	0		(107) DECK STRUCT	1	
(035) FLARED	0		(108) WEAR SURF	1 8 8	
(36A) RAILINGS	0		(045) # MAIN SPANS	44	
(36B) TRANSITIONS	N		(046) # APPR SPANS	0	
(36C) APPR GUARD	N		(048) MAX SPAN LGTH	30	
(36D) APPR GUARD END	N		(308) APPR SPAN LGTH	0	
(041) TRAFFIC STATUS	A		(049) STRUCT LENGTH	1320	
			(037) HISTORY	4	

GEOMETRIC DATA

	EXISTING	REVISED		EXISTING	REVISED
(038) NAVIGATION CONT	0		(042) TYPE SERV; (A)-(B)	5 9	
(039) NAV VERT CLEAR	0		(028) LANES; ON(A) UND(B)	2 0	
(040) NAV HORZ CLEAR	0		(47A) HORZ CLEAR RIGHT	26	
(111) NAV PIER PROT			(47B) HORZ CLEAR LEFT	0	
(10A) GREAT MIN OVER	FT IN	FT IN	(47UA) HORZ CLEAR RIGHT	0	
UNDERCLEARANCES	99 99		(47UB) HORZ CLEAR LEFT	0	
(10B) GREAT MIN RIGHT	99 99		(50B) SIDEWALK RIGHT	2.5	
(10C) GREAT MIN LEFT	99 99		(50A) SIDEWALK LEFT	2.5	
(54A) VERT CLEAR REF	N		(051) CURB TO CURB	26	
(54B) VERT CLEAR RIGHT	0 0		(052) DECK OUT-OUT	33.8	
(54C) VERT CLEAR LEFT	0 0		(053) VERT CLEARANCE	FT IN	FT IN
(55A) LAT CLEAR REF	N		ABOVE DECK	99 99	
(55B) LAT CLEAR RIGHT	99.9				
(55C) LAT CLEAR LEFT	0				

CONDITION RATINGS

	EXISTING	REVISED		EXISTING	REVISED
(063) OPERATING RATING METHOD	2		(58) DECK	5	
(064) OPERATING RATING	52		(59) SUPER STR	4	
(065) INVENTORY RATING METHOD	2		(60) SUB STR	5	
(066) INVENTORY RATING	36		(061) CHANNEL	8	
(319) LAST PAINT DATE			(062) CULV RET	N	

CRITICAL INSPECTION DATA

	EXISTING	REVISED
(090) INSP DATE	09/2012	9/14
(091) INSP FREQ	24	
(113) SCOUR CRITICAL	5	
	INTERVAL MTH YR	INTERVAL MTH YR
(93A) FRACTURE	N	
(93B) UNDERWATER	N	
(93C) SPECIAL	N	

APPRAISAL RATINGS

	EXISTING	REVISED
(067) STRUCTURE	4	GEN
(068) DECK GEOM	3	GEN
(069) UNDERCLEAR	N	GEN
(070) BRIDGE POST	5	GEN
(071) WATER ADEQ	8	
(072) APPR RDWAY	8	
(411) LOAD RATING ID	1/27/1988	

14/1956

M

06/03/2014

Bridge Element Group Textual Data

Bridge ID: 26-2-00701-0-01-00

15 Apr-2014

Abutments and/or Headwalls:

Spill through good

Bents and/or Piers:

24"x30" rein. conc. cap on 4-18"x18" rein. conc. piles. fair

Bearings:

Asphalt membrane good

Girders/Floor Beams/Stringers and/or Beams:

14"x24" rein. conc. "T" beams. fair See "T" beam sheet

Truss Members:

N/A

Expansion Joints:

Hot poured sealer. poor Rec. resealing joints.

Decks and/or Slabs:

Rein. conc. (cast in place) with no asphalt overlay. fair Span 11 has dropped 1.5" due to shims falling out of collars. Rec. replacing shims. See T-beam sheets for areas needing shims replaced. Spall through deck that measures 12"x5" on bent 22 in joint that needs to be repaired.

Curbs:

10" rein. conc. curbs. fair
2.5' rein. conc. sidewalks. fair Sidewalk at spans 20 and 21 was damaged where vehicle hit railing.

Bridge Railing/Parapets and/or Median Barriers:

28" rein. conc. rails. good Due to vehicle collision at spans 20 and 21 a 60 ft. section on RC rail and 8 RC rail posts were damaged. Rec. replacing rail and posts. (ASAP)

Paint System(s):

N/A

Waterway and Scour:

good no water

Fender System:

N/A

Roadway Alignment:

good

good 24ft. asphalt roadway

Traffic Signs:

4 y and b hazard markers in place

Encroachments:

N/A

Miscellaneous Notes:

Due to shims missing bents 11&20 are moving approximately 1" when truck traffic is crossing. Rec. replacing shims.

"T" BEAM DEFECTS

STRUCTURE # 2620070100100 DIRECTION: SW to NE

ROUTE: US 701 DATE: September 15, 2014

CS - CAP SPALL
NC - NEEDS COLLAR
X - COLLARED
NP - SANDBLAST &
REPAINT
BO- BOLTS OUT
NR - REPLACE COLLAR

BENT #	BEAM NUMBER			
	1	2	3	4
1	Abutment			
2	NC			Spall(14x24x3.5) X
3				NC
4				
5				
6				
7				
8			NC	
9	Settling		NC	
10			Spall(20x10x?) X	Spall(24x30x5) X
11	X Deck dropped 1/4"	X Bt 11 is boucing 3"	X Needs shims	X Deck dropped 1.5"
12	X	adjust shims X	X	replace shims X

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BENT #	BEAM NUMBER			
	1	2	3	4
13	X	X		X
14				
15	6 - pile bent			
16	6 - pile bent	X		
17				
18	X			
19				
20	X			X
21	X	X adjust shims/bolt mis	X shims falling out	X
22				
23			X	X
24		slight settlement on has 2 steel piles	cap and pile at 2,3 supporting cap	NC

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BENT #	BEAM NUMBER			
	1	2	3	4
25		NC		X
26				
27	X			X
28				
29				
30	6 - pile bent			
31	6 - pile bent			
32	X		X	
33	X needs shims	X	X shims out	X adjust shims
34	shims out X shims out	X	X	X
35			X	
36				NC

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BENT #	BEAM NUMBER			
	1	2	3	4
37				
38			X	X
39				NC
40				
41	X shims out	X	X	X shims out
42				
43			X CS (18x18x2)	X
44	X			
45	spall on span #11 at bent #21. Bent 25 at	bent #11 24x1.5" no span 24	rebar expose. Expan	spall on span 3 20 at
46	spall on span #11 at 20 at bent #21. Bent	bent #11 24x1.5" 25 at span 24	no rebar expose. shimed 1 1/4" to the	Expansion spall on 3 right.
47	Span 20 shifted 1" Expansion joint spall	left at bent 25. on span #8 and bent	Random cracking #8 48 try deck rebar	span #4. exposed exp.
48				

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	BEAM NUMBER			
BENT #	1	2	3	4
49				

BRIDGE INSPECTION STREAM/GROUND PROFILE

BRIDGE NUMBER: 26200 70100/00

ROAD NUMBER: US 701

COMMENTS:

CROSSING: Great Pee Dee Over Flow

*TOP OF WATER TO TOP OF CURB

HORIZONTAL BLOCKAGE(%) TO

VERTICAL BLOCKAGE(%)

* = FEET

PAGE 1 OF 2

NORTH/SOUTH/EAST/WEST

BENT 1

LEFT ABUTMENT

BENT 2

16.8

17.3

BENT 3
UPSTREAM

21.1

21.2

DOWNSTREAM

BENT 4

20.7

21.7

4-42
+/- 1-2'

BENT 5

RIGHT ABUTMENT

NORTH/SOUTH/EAST/WEST

ME KD

MEASUREMENT BY

9-15-14

DATE MEASURED

TIME

MEASUREMENTS ARE FROM TOP OF CURB TO GROUND LINE

BRIDGE INSPECTION STREAM/GROUND PROFILE

COMMENTS:

BRIDGE NUMBER: _____

ROAD NUMBER: _____

CROSSING: _____

*TOP OF WATER TO TOP OF CURB

HORIZONTAL BLOCKAGE(%) _____ TO _____

VERTICAL BLOCKAGE(%) _____

* = _____ FEET

PAGE 2 OF 2

BENT _____

~~NORTH/SOUTH/EAST/WEST~~

LEFT ABUTMENT

BENT 42

22.8 | 21.6

BENT 43
UPSTREAM

20.9 | 20.5

DOWNSTREAM

BENT 44

15.4 | 16.3

BENT 45

RIGHT ABUTMENT

~~NORTH/SOUTH/EAST/WEST~~

MEASUREMENT BY _____

DATE MEASURED _____

TIME _____

MEASUREMENTS ARE FROM TOP OF CURB TO GROUND LINE

BRIDGE INSPECTION STREAM/GROUND PROFILE

BRIDGE NUMBER: 2620070100100

ROAD NUMBER: US 701

COMMENTS:

CROSSING: Great Pee Dee Overflow

*TOP OF WATER TO TOP OF CURB

HORIZONTAL BLOCKAGE(%) TO

VERTICAL BLOCKAGE(%)

* = FEET

PAGE 1 OF 2

BENT 1

NORTH/SOUTH/EAST/~~WEST~~
LEFT ABUTMENT

BENT 2

16.8 17.1

BENT 3
UPSTREAM

20.5 21.0

DOWNSTREAM

BENT 4

20.5 21.3

4-42
± 1-2'

BENT 5

RIGHT ABUTMENT
~~NORTH/SOUTH/EAST/WEST~~

SL+ME

MEASUREMENT BY

9-27-12

DATE MEASURED

TIME

MEASUREMENTS ARE FROM TOP OF CURB TO GROUND LINE

BRIDGE INSPECTION STREAM/GROUND PROFILE

BRIDGE NUMBER: _____

ROAD NUMBER: US-701-100

COMMENTS:

CROSSING: _____

*TOP OF WATER TO TOP OF CURB

HORIZONTAL BLOCKAGE(%) _____ TO _____

VERTICAL BLOCKAGE(%) _____

* = _____ FEET

PAGE 2 OF 2

BENT _____

~~NORTH/SOUTH~~ EAST/WEST

LEFT ABUTMENT

BENT 42

20.6 | 21.4

BENT 43
UPSTREAM

20.6 | 20.7

DOWNSTREAM

BENT 44

15.2 | 16.1

BENT 45

RIGHT ABUTMENT

~~NORTH/SOUTH~~ EAST/WEST

SLIME

MEASUREMENT BY

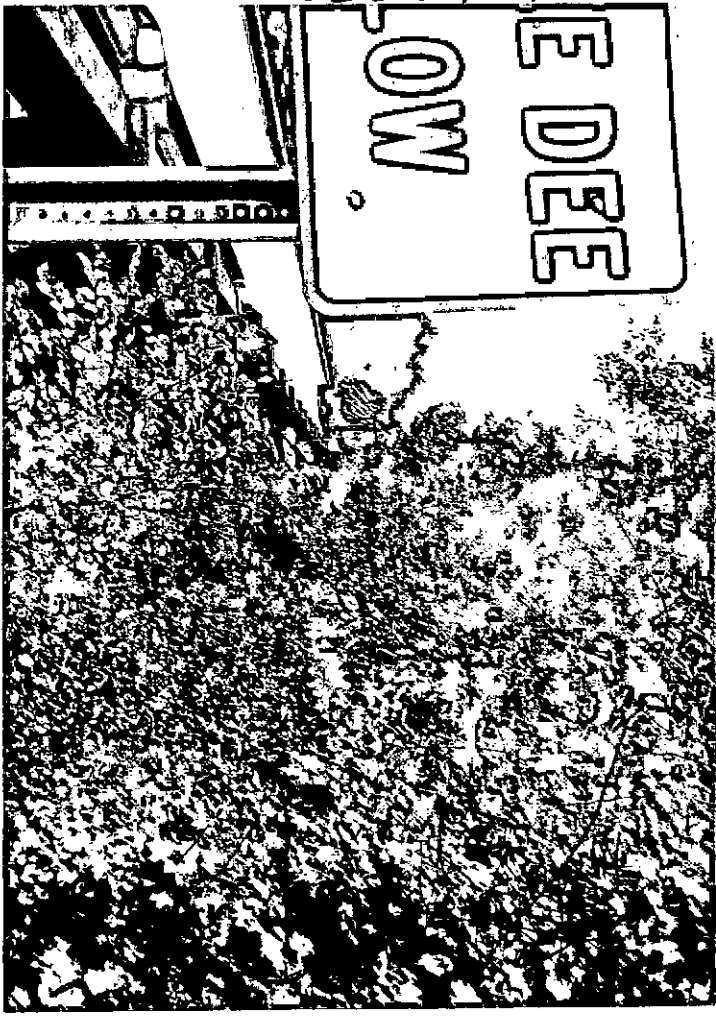
9-27-12

DATE MEASURED

TIME

MEASUREMENTS ARE FROM TOP OF CURB TO GROUND LINE

2620070100100



STRUCTURE NO.: 2620070100100
FACILITY CARRIED: US 701
CROSSING: GREAT PEE DEE OVERFLOW
INSPECTION DATE: ~~27 SEP 2012~~

9-15-14

CULVERT: N

[illegible]