



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 BRIDGE MAINTENANCE UNIT

ATTENTION

BRIDGE INSPECTION REPORT

INSPECTION TYPE: Routine Inspection

COUNTY ROBESON BRIDGE NUMBER 770169 INSPECTION CYCLE 2 YRS
 ROUTE SR1718 ACROSS I95 M.P. 0

LOCATION 0.3 MI. E. JCT. US 301

SUPERSTRUCTURE REINFORCED CONCRETE FLOOR ON PRESTRESSED CONCRETE GIRDERS

SUBSTRUCTURE E.BTS:RC CAPS/PRESTR.CONC.PILES;INT.BTS:RCP&BEAM

1 at 55.25ft, 2 at 55.00ft, 1 at 55.25ft.

SPANS 1@55'3,2@55',1@55'3

LONGITUDE	<u>78° 57' 40.0"</u>	<u>78° 57' 23.2"</u>	LATITUDE	<u>34° 54' 50.0"</u>	<u>34° 54' 29.8"</u>
PRESENT CONDITION	<u>FAIR</u>		INVENTORY RATING	<u>HS-17</u>	
INSPECTION DATE	<u>07/31/2006</u>		OPERATING RATING	<u>HS-37</u>	
PRESENT POSTING	<u>Not Posted</u>		PROPOSED POSTING	<u>N.P.</u>	
COMPUTER UPDATE	<u>4-23-07</u>		ANALYSIS DATE	<u>4-13-07</u>	
POSTING LETTER DATE			SUFFICIENCY RATING		
OTHER SIGNS PRESENT	<u>2 VERTICAL CLEARANCE</u>				



LOOKING EAST

SIGN NOTICE ISSUED FOR	NUMBERED REQUIRED
<u>No</u> WEIGHT LIMIT	_____
<u>No</u> DELINEATORS	_____
<u>No</u> NARROW BRIDGE	_____
<u>No</u> ONE LANE BRIDGE	_____
<u>No</u> LOW CLEARANCE	_____

NATIONAL BRIDGE INVENTORY----- STRUCTURE INVENTORY AND APPRAISAL

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE 770169
 (8) STRUCTURE NUMBER(FEDERAL) 000000001550169
 INVENTORY ROUTE (ON/UNDER) - ON 131017180
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 6
 (3) COUNTY CODE 155 (4) PLACE CODE
 (6) FEATURE INTERSECTED - 195
 (7) FACILITY CARRIED SR1718
 (9) LOCATION 0.3 MI. E. JCT. US301
 (11)MILEPOINT 0
 (16)LAT 34° 54' 29.8" (17)LONG 78° 57' 23.2"
 (98)BORDER BRIDGE STATE CODE PCT SHARE
 (99)BORDER BRIDGE STRUCTURE NO

SUFFICIENCY RATING = 78.7
 STATUS = Not Deficient

CLASSIFICATION CODE

(112)NBIS BRIDGE SYSTEM - YES
 (104)HIGHWAY SYSTEM NON NHS Route 0
 (26) FUNCTIONAL CLASS - Local 09
 (100)STRAHNET HIGHWAY - Not a STRAHNET Route 0
 (101)PARALLEL STRUCTURE - No Parallel Structure 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
 (31) 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: Prestressed Concrete
 TYPE - Stringer Multibeam or Girder CODE 502
 (44) STRUCTURE TYPE APPR : Prestressed Concrete
 TYPE - Slab CODE 501
 (45) NUMBER OF SPANS IN MAIN UNIT 3
 (46) NUMBER OF APPROACH SPANS 1
 (107)DECK STRUCTURE TYPE - Concrete cast-in-place 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

CONDITION CODE

(58) DECK 5
 (59) SUPERSTRUCTURE 6
 (60) SUBSTRUCTURE 8
 (61) CHANNEL & CHANNEL PROTECTION N
 (62) CULVERTS N

LOAD RATING AND POSTING CODE

(31) DESIGN LOAD H 15 2
 (64) OPERATING RATING - HS-38 168
 (66) INVENTORY RATING - HS-17 131
 (70) BRIDGE POSTING - Posting Required 5
 (41) STRUCTURE OPEN, POSTED ,OR CLOSED A
 DESCRIPTION - Open, No Restriction

AGE AND SERVICE

(27) YEAR BUILT 1959
 (106)YEAR RECONSTRUCTED 0
 (42) TYPE OF SERVICE : ON - Highway
 UNDER - Highway CODE 11
 (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 4
 (29) AVERAGE DAILY TRAFFIC 280
 (30) YEAR OF ADT 2001 (109) TRUCK ADT PCT 6 %
 (19) BYPASS OR DETOUR LENGTH 6 MI

APPRAISAL CODE

(67) STRUCTURAL EVALUATION 6
 (68) DECK GEOMETRY 5
 (69) UNDERCLEARANCES,VERTI & HORIZ 2
 (71) WATERWAY ADEQUACY N
 (72) APPROACH ROADWAY ALIGNMENT 8
 (36) TRAFFIC SAFETY FEATURES 0010
 (11)SCOUR CRITICAL BRIDGES N

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 55 FT
 (49) STRUCTURE LENGTH 221 FT
 (50)CURB OR SIDEWALK: LEFT 1.1 FT RIGHT 1.1 FT
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 24.0 FT
 (52) DECK WIDTH OUT TO OUT 26.5 FT
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 18.0 FT
 (33) BRIDGE MEDIAN - No Median CODE 0
 (34) SKEW 97° (35) STRUCTURE FLARED NO
 (10) INVENTORY ROUTE MIN VERT CLEAR 99 FT 99 IN
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 24.0 FT
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 99 FT 99 IN
 (54) MIN VERT UNDERCLEAR REF Highway 14 FT 08 IN
 (55) MIN LAT UNDERCLEAR RT REF Highway 9.2 FT
 (56) MIN LAT UNDERCLEAR LT REF - 16.0 FT

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK - CODE 311
 (76) LENGTH OF STRUCTURE IMPROVEMENT 221 FT
 (94) BRIDGE IMPROVEMENT COST \$473,000
 (95) ROADWAY IMPROVEMENT COST \$118,000
 (96) TOTAL PROJECT COST \$710,000
 (97) YEAR OF IMPROVEMENT COST ESTIMATE 2007
 (114)FUTURE ADT 660 (115) YEAR FUTURE ADT 2025

NAVIGATION DATA

(38) NAVIGATION CONTROL - Not Applicable CODE N
 (111)PIER PROTECTION - Not Applicable CODE
 (39) NAVIGATION VERTICAL CLEARANCE 0
 (116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR
 (40) NAVIGATION HORIZONTAL CLEARANCE 0

INSPECTIONS

(90) INSPECTION DATE 07/31/2006
 (92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
 A) FRACTURE CRIT DETAIL - NO A)
 B) UNDERWATER INSP - NO B)
 C) OTHER SPECIAL INSP NO C)
 SCOUR

NATIONAL BRIDGE INVENTORY----- STRUCTURE INVENTORY AND APPRAISAL

IDENTIFICATION				CLASSIFICATION		CODE
(1) STATE NAME -NORTH CAROLINA	BRIDGE	770169		SUFFICIENCY RATING =		78.7
(8) STRUCTURE NUMBER(FEDERAL)		000000001550169		STATUS =	Not Deficient	
INVENTORY ROUTE (ON/UNDER) - UNDER		211000950				
(2) STATE HIGHWAY DEPARTMENT DISTRICT		6				
(3) COUNTY CODE	155	(4) PLACE CODE		(112)NBIS BRIDGE SYSTEM -		YES
(6) FEATURE INTERSECTED -	195			(104)HIGHWAY SYSTEM	NHS Route	1
(7) FACILITY CARRIED	SR1718			(26) FUNCTIONAL CLASS -	Arterial - Interstate	01
(9) LOCATION	0.3 MI. E. JCT. US301			(100)STRAHNET HIGHWAY -	Interstate STRAHNET Route	1
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	No Parallel Structure	N
(16)LAT	34° 54' 29.8"	(17)LONG	78° 57' 23.2"	(102)DIRECTION OF TRAFFIC -	2-way Traffic	2
(98)BORDER BRIDGE STATE CODE		PCT SHARE		(103)TEMPORARY STRUCTURE -	Not Temporary	
(99)BORDER BRIDGE STRUCTURE NO				(110)DESIGNATED NATIONAL NETWORK -	Is Part of	

STRUCTURE TYPE AND MATERIAL				CONDITION		CODE
(43) STRUCTURE TYPE MAIN:	Prestressed Concrete			(31) MAINTAIN -	State Highway Agency	01
TYPE -	Stringer Multibeam or Girder	CODE	502	(22) OWNER -	State Highway Agency	01
(44) STRUCTURE TYPE APPR :	Prestressed Concrete			(37) HISTORICAL SIGNIFICANCE -	Not Eligible	5
TYPE -	Slab	CODE	501			
(45) NUMBER OF SPANS IN MAIN UNIT			3	(58) DECK		5
(46) NUMBER OF APPROACH SPANS			1	(59) SUPERSTRUCTURE		6
(107)DECK STRUCTURE TYPE -	Concrete cast-in-place	CODE	1	(60) SUBSTRUCTURE		8
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(61) CHANNEL & CHANNEL PROTECTION		N
(A) TYPE OF WEARING SURFACE -	Concrete	CODE	1	(62) CULVERTS		N
(B) TYPE OF MEMBRANE -	None	CODE	0			
(C) TYPE OF DECK PROTECTION -	None	CODE	0			

AGE AND SERVICE				LOAD RATING AND POSTING		CODE
(27) YEAR BUILT			1959	(31) DESIGN LOAD	H 15	2
(106)YEAR RECONSTRUCTED			0	(64) OPERATING RATING -	HS-38	168
(42) TYPE OF SERVICE : ON -	Highway			(66) INVENTORY RATING -	HS-17	131
UNDER -	Highway	CODE	11	(70) BRIDGE POSTING -	Posting Required	5
(28) LANES: ON STRUCTURE	2 UNDER STRUCTURE		4	(41) STRUCTURE OPEN, POSTED ,OR CLOSED		A
(29) AVERAGE DAILY TRAFFIC			280	DESCRIPTION -	Open, No Restriction	
(30) YEAR OF ADT	2001	(109) TRUCK ADT PCT	6 %			
(19) BYPASS OR DETOUR LENGTH			6 MI			

GEOMETRIC DATA				APPRAISAL		CODE
(48) LENGTH OF MAXIMUM SPAN			55 FT	(67) STRUCTURAL EVALUATION		6
(49) STRUCTURE LENGTH			221 FT	(68) DECK GEOMETRY		5
(50)CURB OR SIDEWALK: LEFT	1.1 FT RIGHT		1.1 FT	(69) UNDERCLEARANCES,VERTI & HORIZ		2
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			24.0 FT	(71) WATERWAY ADEQUACY		N
(52) DECK WIDTH OUT TO OUT			26.5 FT	(72) APPROACH ROADWAY ALIGNMENT		8
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			18.0 FT	(36) TRAFFIC SAFETY FEATURES		0010
(33) BRIDGE MEDIAN -	No Median	CODE	0	(11)SCOUR CRITICAL BRIDGES		N
(34) SKEW	97° (35) STRUCTURE FLARED		NO			
(10) INVENTORY ROUTE MIN VERT CLEAR			19 FT 10 IN			
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			47.3 FT			
(53) MIN VERT CLEAR OVER BRIDGE RDWY			99 FT 99 IN			
(54) MIN VERT UNDERCLEAR REF	Highway		14 FT 08 IN			
(55) MIN LAT UNDERCLEAR RT REF	Highway		9.2 FT			
(56) MIN LAT UNDERCLEAR LT REF -			16.0 FT			

NAVIGATION DATA				PROPOSED IMPROVEMENTS		CODE
(38) NAVIGATION CONTROL -	Not Applicable	CODE	N	(75) TYPE OF WORK -		311
(111)PIER PROTECTION -	Not Applicable	CODE		(76) LENGTH OF STRUCTURE IMPROVEMENT		221 FT
(39) NAVIGATION VERTICAL CLEARANCE			0	(94) BRIDGE IMPROVEMENT COST		\$473,000
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR				(95) ROADWAY IMPROVEMENT COST		\$118,000
(40) NAVIGATION HORIZONTAL CLEARANCE			0	(96) TOTAL PROJECT COST		\$710,000
				(97) YEAR OF IMPROVEMENT COST ESTIMATE		2007
				(114)FUTURE ADT	660	(115) YEAR FUTURE ADT
						2025

INSPECTIONS		
(90) INSPECTION DATE		07/31/2006
(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE
A) FRACTURE CRIT DETAIL -	NO	A)
B) UNDERWATER INSP -	NO	B)
C) OTHER SPECIAL INSP	NO	C)
SCOUR		

BRIDGE INSPECTION RECORD AND SUMMARY

INSPECTION TYPE Routine Inspection
 BRIDGE NO. 770169 COUNTY ROBESON ROUTE SR1718 OVER I95
 STRUCTURE TYPE REINFORCED CONCRETE FLOOR ON PRESTRESSED CONCRETE GIRDERS
 ROUTE ORIENTATION W - E SPANS 1@55'3,2@55',1@55'3

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

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

Bridge I&A Form 1(82)H		FIELD INSPECTION REPORT <u>Bridge Inspection & Analysis</u>
State of North Carolina Dept. of Transportation Division of Highways		
Team Leader LEONARD G. FLETCHER		
Assisted By TLF		
Item No.	Grade	
1	7	THE DECK HAS FAIRLY NEW BST SURFACE. IT IS CRACKING LONGITUDINALLY AT THE JOINTS AND A 6 INCH WIDE X 36 INCH LONG POT HOLE HAS RAVELED LOOSE NEAR THE CENTERLINE OF BENT 3.
2a	5	AT SPAN 1 THERE IS A MINOR DIAGONAL CRACK IN BAY 3 AT THE SOUTHWEST CORNER OF THE BRIDGE. ONE TRANSVERSE CRACK IS LEAKING EFFLORESCENCE AT APPROXIMATELY THE 2/3 POINT OF BAY 3. AT SPAN 2, THE CONCRETE CORED SLABS SHOW NO SIGNS OF DISTRESS. THERE IS SPOT EFFLORESCENCE AT RANDOM THROUGHOUT THE SLAB JOINTS. AT SPAN 3, THERE IS HEAVY LEAKAGE AT THE CENTERLINE OF BAY 3, 1/4 OF WAY INTO THE SPAN. SEVERAL LIGHT TRANSVERSE CRACKS IN BAY 1 AND BAY 2 WERE NOTED. AT SPAN 4 THERE ARE 5 TO 6 TRANSVERSE CRACKS LEAKING EFFLORESCENCE AT EACH BAY. OVERALL THE DECK APPEARS TO BE SOUND.
3a	7	THERE IS MINOR SCALING AND COARSE AGGREGATE EXPOSED ON THE RAILS AT SPANS 1, 3, AND 4. SEVERAL CHIPS AND SPALLS HAVE BEEN PATCHED. AT SPAN 2, THE RAILS ARE MUCH NEWER AND ARE GOOD.
4	7	SOME MINOR SCRAPES AND MINOR VOIDS ARE PRESENT. THE CONCRETE IS SCALING, EXPOSING COARSE AGGREGATE.
6d	7	THERE IS A 6 INCH X 3 FOOT SECTION OF MISSING ASPHALT AND ROADWAY AT BENT 3.
7	7	THERE IS A MINOR BUILDUP OF STONE AND DEBRIS ALONG BOTH CURBS.
10	6	AT SPANS 1 AND 4 THE GIRDERS ARE GOOD. SPAN 2 CORED SLABS ARE GOOD. SPAN 3 GIRDERS APPEAR TO HAVE BEEN SCRAPED BY TRAFFIC. THESE SCRAPES APPEAR TO HAVE BEEN PATCHED. GIRDER 3, SPAN 3 HAS A SURFACE CHIP 6-8 INCHES LONG AND 1/2 INCH DEEP 15 FEET AWAY FROM BENT 3.
15	7	THE BEARING ASSEMBLIES IN PRECAST GIRDER SPANS WERE GALVANIZED BUT ARE NOW COVERED WITH RUST ON THE INTERIOR BENTS.
39	7	THERE IS MINOR SETTLEMENT AND UNEVENNESS OF JOINTS AND SOME MISALIGNMENT. SEVERAL TRANSVERSE CRACKS ARE MISALIGNED.
50	6	BOTH APPROACHES ARE UNEVEN AND SETTLED SLIGHTLY.
54	8	SLOW TRAFFIC DUE TO SECONDARY ROAD AND SIGHT DISTANCES CAUSES LITTLE VIBRATION.

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 770169

County ROBESON

Date: 07/31/2006

These Repairs Should Be Made Within Twelve Months From Date Of This Inspection

Function Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
556	Bridge approaches, surfacing or pavement replacement or repair	Man-Hours	40	EAST APPROACH IS UNEVEN AND SETTLED.	
560	Maintenance and repairs to concrete bridge floors	Sq-ft	2900	CRACKS IN THE DECK.	



POTHOLE IN JOINT MEASURING 4 INCHES WIDE X 2 INCHES DEEP X 4 FOOT LONG AT INTERIOR BENT 3



TYPICAL HAIRLINE CRACK OVER INTERIOR BENT 2 JOINT



VEGETATION GROWING OUT OF CRACK IN SLOPE BANK



CRACKING IN SLOPE PROTECTION - SPAN 1



SPALL ON UNDERSIDE - BEAM 1, SPAN 3



EFFLORESCENCE LEAKAGE IN SPAN 3 - 1/4 POINT



CHIP ON SOUTHEAST WINGWALL

BRIDGE MAINTENANCE UNIT
DATA ON EXISTING STRUCTURE

RUN DATE 04/30/2007

COUNTY : ROBESON	DIV : 6	DIST : 1	STRUCTURE NUMBER : 770169	LENGTH : 221 FEET
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ROUTE CARRIED : SR1718	FEATURE INTERSECTED : I95
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LOCATED : 0.3 MI. E. JCT. US301	BRIDGE NAME :
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FUNC. CLASS : 09	SYST.ON : NFA	SYST.UNDER : FA	ADT & YR : 280 2001	RAIL TYPE : LT 141 RT 141
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BUILT : 1959	BY : SHC	PROJ : 8.13962	FED.AID PROJ :	DESIGN LOAD : H 15
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REHAB : 0	BY : DBM	PROJ : 4.8060006	ALIGNMENT : TAN.	SKEW : 97	LANES : ON 2 UNDER 4
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NAVIGATION : VC 0	FT	HC 0	HT. CRN. TO BED : 0	FT	WATER DEPTH : 0	FT
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SUPERSTRUCTURE : RC FLOOR/PPC GDRS.& PPC CORED SLABS

SUBSTRUCTURE : EBTS:RC CAPS/PRESTR.CONC.PILES;INT.BTS:RCP&BEAM

SPANS : 1@55'3,2@55',1@55'3

BEAMS OR GIRDERS : SPN.ACD 4LNS PPC GDRS.SPN.B 9LNS.PPC CORED SLAB SECTIONS

FLOOR : RC&PPCS/2 AWS	ENCROACHMENT :	DECK (OUT TO OUT) : 26.5 FT
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CLEAR ROADWAY : 24.0 FT	BETWEEN RAILS : 26.3 FT	SIDEWALK OR CURB : LT 1.1 FT RT 1.1 FT
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VERT.CL.OVER : 99 FT 99 IN	VERT.CL.UNDER : 14 FT 08 IN	HOR.CL.UNDER : 47.3 FT
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INV.RTG. : HS-17	OPE.RTG. : HS-38	CONTR.MEMBER : SLAB PC	POSTED : SV 0	TTST 0	DATE
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SYSTEM : Primary S.R. Route	GREEN LINE ROUTE : N
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2ND OPENING : 16 FT 01 IN I-95NBL	3RD OPENING :	4TH OPENING :	5TH OPENING :
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REMARKS :

Structure Data Worksheet

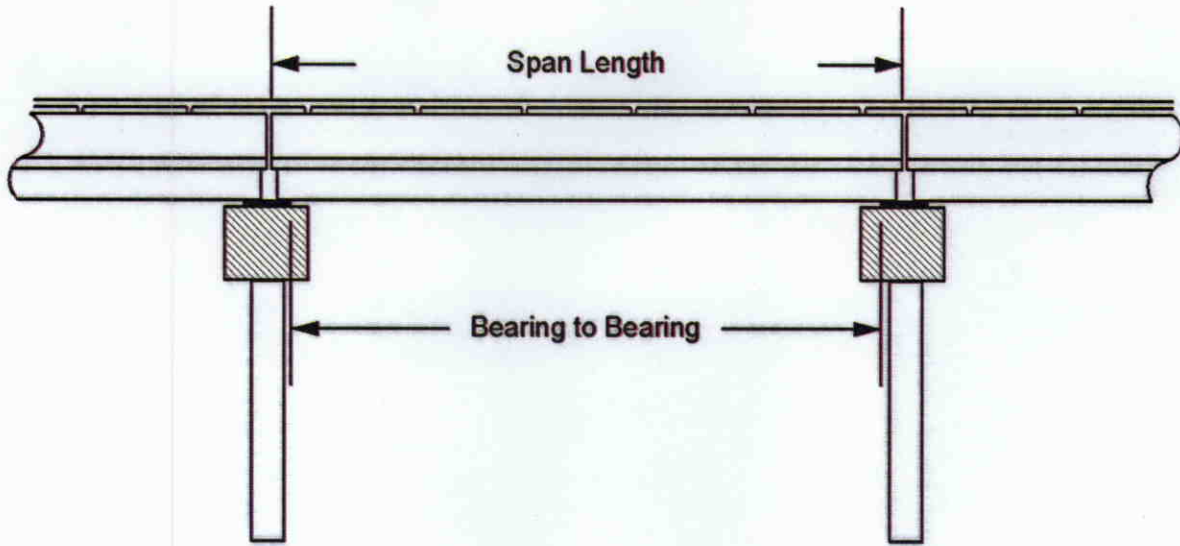
Spans

County: ROBESON

Structure No: 770169

Date: 00/31/2006

Inspected By: LGF



Span No	Span Length	Bearing to Bearing	Comments
1	55.25	SEE PLANS	
2	55.00	53.67	
3	55.00	SEE PLANS	
4	55.25	SEE PLANS	

Bridge Inspection Field Sketch



Roadway	18.00ft Wide	2 Paved Lanes	Looking East
Left Shoulder	4ft Wide		4.00ft Unpaved
Right Shoulder	4ft Wide		4.00ft Unpaved
Left Guardrail			
Right Guardrail			

Title

APPROACH ROADWAY WIDTH

Description

APPROACH ROADWAY WIDTH

Bridge No: 770169

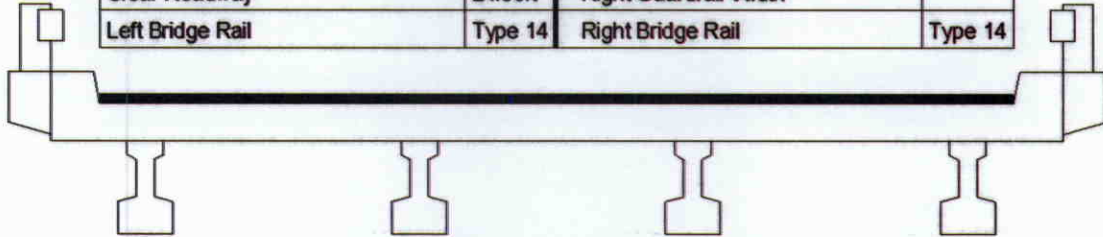
Drawn By: MSB

Date: 07/07/2006

File Name: S0286000047

Bridge Inspection Field Sketch

Deck Width/Out to Out	26.50ft	Wearing Surface	.17ft
Between Rails	26.25ft	Median Width	
Curb Height	.75ft	Median Height	
Top Rail to Deck/Wearing Surface	2.50ft	Left Guardrail Width	
Clear Roadway	24.00ft	Right Guardrail Width	
Left Bridge Rail	Type 14	Right Bridge Rail	Type 14



Measurements for Span #	1	SPANS 3 AND 4 SIMILAR	
Deck Thickness	.58	Left Overhang	
Top of Rail to Bottom of Beam	6.10	Right Overhang	

Beam No	Beam Type	Spacing	Comments
1	PPC Girder	7.00ft	
2	PPC Girder	7.00ft	
3	PPC Girder	7.00ft	
4	PPC Girder		

Title TYPICAL SECTION		Description TYPICAL SECTION FOR SPANS 1, 3 , AND 4.	
Bridge No: 770169	Drawn By: MSB	Date: 07/07/2006	File Name: S0286000048

Bridge Inspection Field Sketch

Deck Width/Out to Out	27.08ft	Wearing Surface	.17ft
Between Rails	26.25ft	Median Width	
Curb Height	.75ft	Median Height	
Top Rail to Deck/Wearing Surface	2.50ft	Left Guardrail Width	
Clear Roadway	24.00ft	Right Guardrail Width	
Left Bridge Rail	Type 14	Right Bridge Rail	Type 14

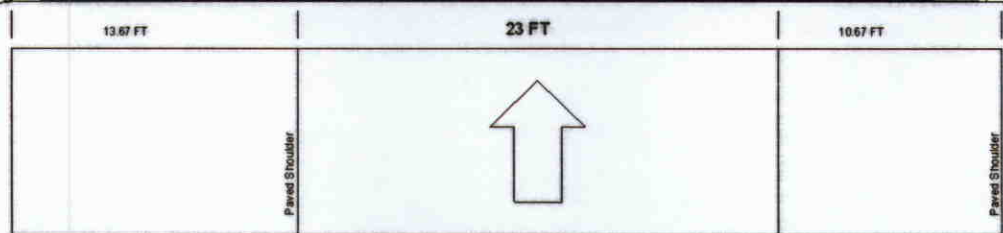
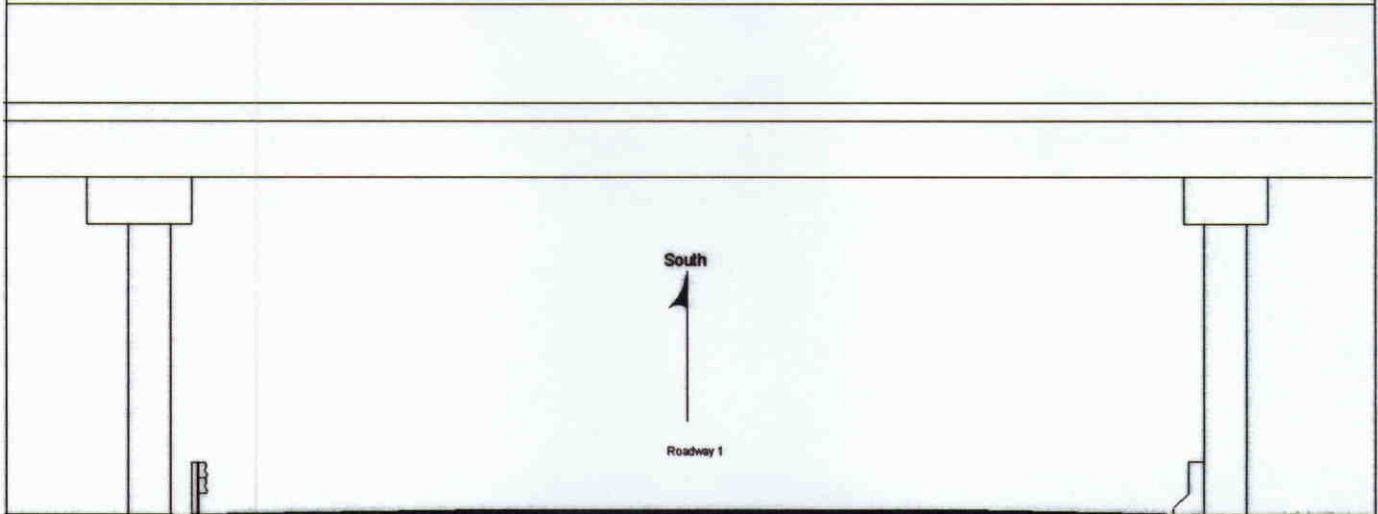


Measurements for Span #	2		
Deck Thickness	1.50	Left Overhang	
Top of Rail to Bottom of Beam	4.83	Right Overhang	

No of Slabs	Slab Height	Slab Width	Comments
9	1.50ft	3.00ft	

Title TYPICAL SECTION II		Description TYPICAL SECTION FOR SPAN 2	
Bridge No: 770169	Drawn By: MSB	Date: 07/07/2006	File Name: S0286000050

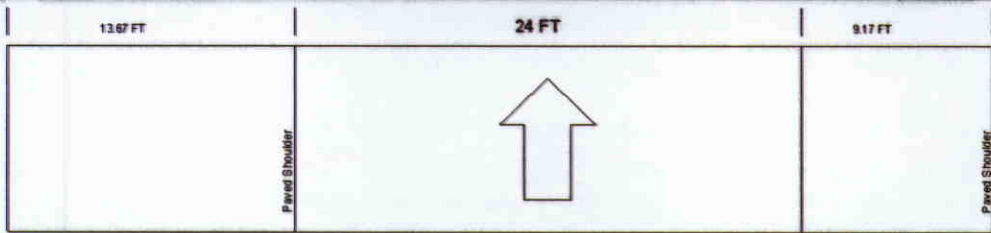
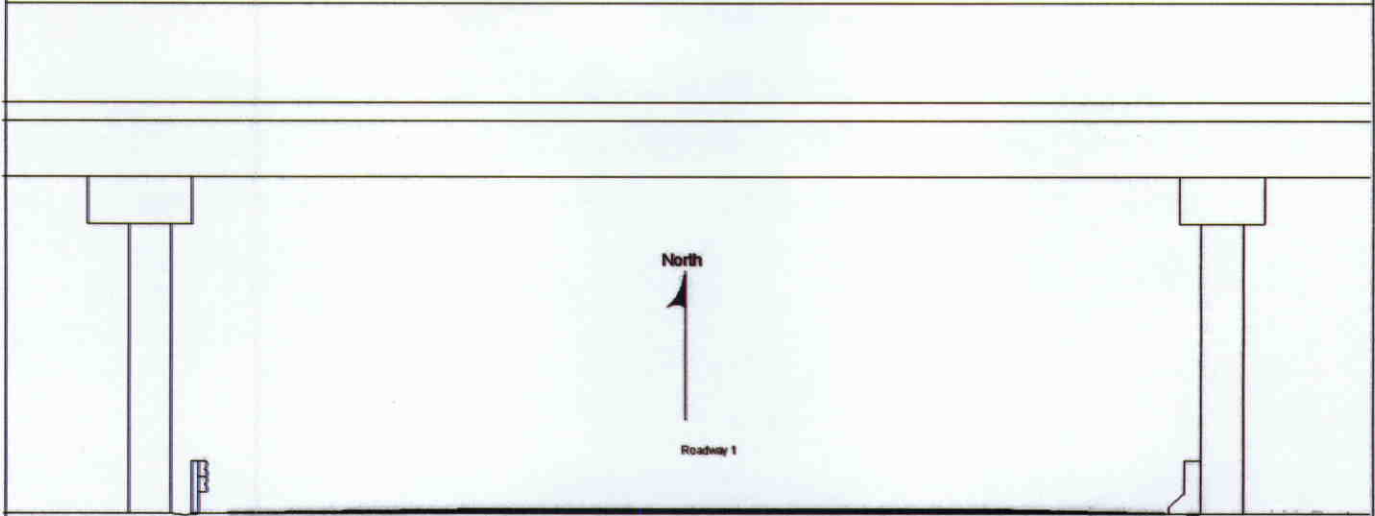
Bridge Inspection Field Sketch



Roadway 1	Distance to Left Guardrail 13.67 FT
	Distance to Right Guardrail 10.67 FT
	Distance to Left Toe of Slope
	Distance to Left Bent or Columns
	Distance to Right Toe of Slope
	Distance to Right Bent or Columns 11.42 FT
	Maximum Minimum Vertical Clearance 16.75 FT @ 16.83 Measured From INTERIOR BENT 2 on Beam No 1
	Minimum Vertical Clearance 16.08 FT @ 10.67 Measured From INTERIOR BENT 1 on Beam No 1

Title CLEARANCE		Description CLEARANCE	
Bridge No: 770169	Drawn By: MSB	Date: 07/31/2006	File Name: S0286000071

Bridge Inspection Field Sketch



Roadway 1	Distance to Left Guardrail 13.67 FT
	Distance to Right Guardrail 9.17 FT
	Distance to Left Toe of Slope
	Distance to Left Bent or Columns
	Distance to Right Toe of Slope
	Distance to Right Bent or Columns 9.92 FT
	Maximum Minimum Vertical Clearance 19.83 FT @ 19.92 Measured From INTERIOR BENT 3 on Beam No 1
	Minimum Vertical Clearance 14.67 FT @ 16.83 Measured From INTERIOR BENT 2 on Beam No 1

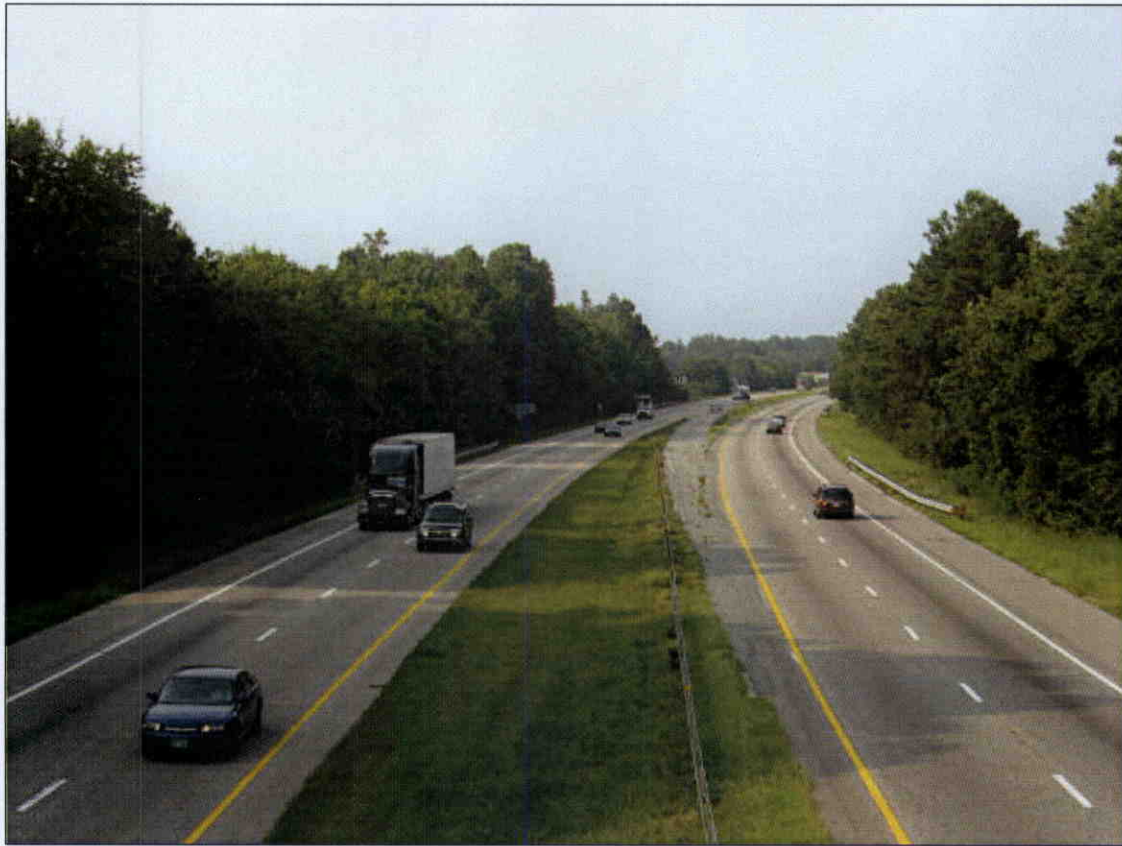
Title		Description	
CLEARANCE		CLEARANCE FOR NBL	
Bridge No: 770169	Drawn By: MSB	Date: 08/01/2006	File Name: S0286000072



LOOKING EAST



LOOKING WEST



LOOKING NORTH



LOOKING SOUTH



NORTH ELEVATION



SOUTH ELEVATION



BRIDGE PLAQUE



TYPICAL RAIL - SOUTH SHOWN



TYPICAL CURB - NORTH SHOWN



END BENT 2



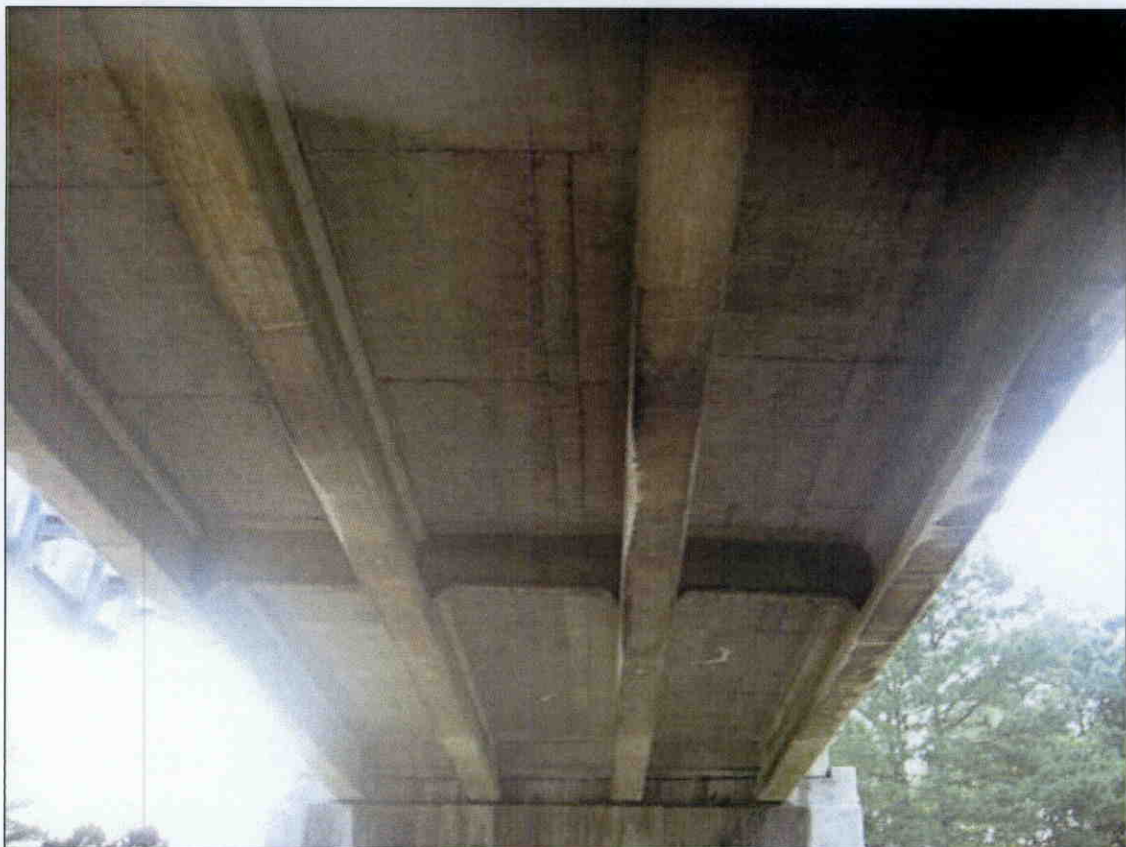
TYPICAL BEARING AREA



INTERIOR BENT 3



UNDERSIDE - SPAN 4



UNDERSIDE - SPAN 3



TYPICAL SLOPE PROTECTION



INTERIOR DIAPHRAGM



UNDERSIDE - SPAN 2



TYPICAL UNDERSIDE - SPAN 1



END BENT 1