ATTENTION:



NC DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS STRUCTURE MANAGEMENT UNIT

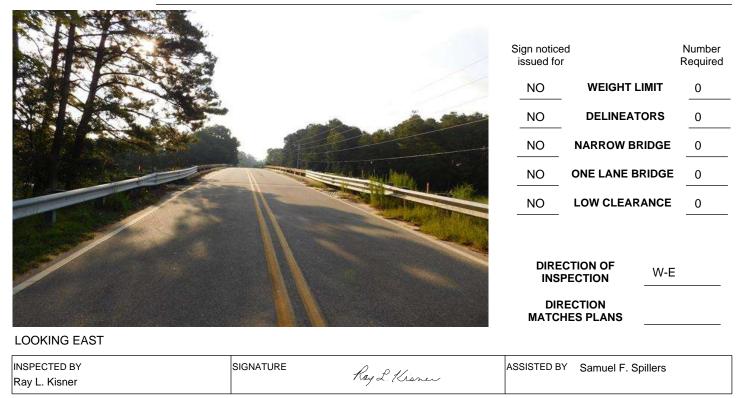
# **Structure Safety Report**

**Routine Element Inspection** 

**INSPECTION DATE:** 08/07/2019

DIVISION: 6	COUNTY:	ROBESON STRUC	CTURE NUMBER: 770169	FREQUENCY:	24 MONTHS
	SR1718			MILE POST:	
LOCATION: 0.3 MI.	E. JCT. US	S301			
FEATURE INTERSE	CTED: 195				
LATITUDE: <u>34° 54</u>	' 29.45"		: <u>78° 57' 22.13"</u>		
SUPERSTRUCTURE	RC FLC	DOR/PPC GDRS.& PPC CORED S	LABS		
SUBSTRUCTURE: E	BTS:RC C	APS/PRESTR.CONC.PILES;INT.E	3TS:RCP&BEAM		
SPANS: 4 SPANS	S. SEE SP.	AN PROFILE SHEET FOR SPAN I	DETAILS		
FRACTURE CR	ITICAL		SCOUR CRITICAL	SCOUR PLAN OF	ACTION
NBI GRADES:	DECK	7 SUPERSTRUCTURE 7	SUBSTRUCTURE 7	CULVERT N	
POSTED SV: Not I	Posted		POSTED TTST: Not Po	osted	

#### OTHER SIGNS PRESENT: NONE



# NATIONAL BRIDGE INVENTROY ----- STRUCTURE INVENTORY AND APPRAISAL

(1) STATE NAME NORTH CAROLINA BRIDGE 770169	SUFFICIENCY RATING 78.63
8) STRUCTURE NUMBER (FEDERAL) 1550169	STATUS = Functionally Observed
5) INVENTORY ROUTE (ON/UNDER) ON 31017180	CLASSIFICATION COD
2) STATE HIGHWAY DEPARTMENT DISTRICT 6	(112) NBIS BRIDGE SYSTEM
3) COUNTY CODE (FEDERAL) 155 (4) PLACE CODE 0	(104) HIGHWAY SYSTEM Inventory Route not on NHS
6) FEATURE INTERSECTED 195 7) FACILITY CARRIED SR1718	(26) FUNCTIONAL CLASS Rural Local
9) LOCATION 0.3 MI. E. JCT. US301	(100) STRAHNET HIGHWAY Not a STRAHNET Route
11) MILEPOINT 0.0	(101) PARALLEL STRUCTURE
12) BASE HIGHWAY NETWORK 0	(102) DIRECTION OF TRAFFIC <b>2-way traffic</b>
13) LRS INVENTORY ROUTE & SUBROUTE	
(16) LATITUDE 34° 54' 29.45" (17) LONGITUDE 78° 57' 22.13"	(103) TEMPORARY STRUCTURE
98) BORDER BRIDGE STATE CODE PERCENT SHARED	(110) DESIGNATED NATIONAL NETWORK - on national network for trucks
99) BORDER BRIDGE STRUCTURE NUMBER	(20) TOLL On Free Road
STRUCTURE TYPE AND MATERIAL	(21) MAINT -
43) STRUCTURE TYPE MAIN Prestressed Concrete	(22) OWNER -
TYPE Stringer/Multi-beam or girder CODE 502	(37) HISTORICAL SIGNIFICANCE -
44) STRUCTURE TYPE APPROACH Prestressed Concrete	CONDITION COL
TYPE Slab CODE 501	(58) DECK
45) NUMBER OF SPANS IN MAIN UNIT 3	(59) SUPERSTRUCTURE
46) NUMBER OF SPANS IN APPROACH	
107) DECK STRUCTURE TYPE   CODE   1	(61) CHANNEL & CHANNEL PROTECTION
108)WEARING SURFACE/PROTECTIVE SYSTEM	(62) CULVERTS
(A) TYPE OF WEARING SURFACE CODE 6	LOAD RATING AND POSTING COL
(B) TYPE OF MEMBRANE CODE 0	(31) DESIGN LOAD H 15
(C) TYPE OF DECK PROTECTION CODE 0	(63) OPERATING RATING METHOD - Load Factor
AGE AND SERVICE	(64) OPERATING RATING - HS-39
(27) YEAR BUILT 1959	(65) INVENTORY RATING METHOD -
(106) YEAR RECONSTRUCTED 0.000000	(66) INVENTORY RATING HS-16
(42) TYPE OF SERVICE ON - Highway	(70) BRIDGE POSTING No Posting Required
OFF - Highway CODE 11	(41) STRUCTURE OPEN, POSTED, OR CLOSED
28) LANES ON STRUCTURE 2 LANES UNDER STRUCTURE 4	DESCRIPTION Open, no restriction
(29) AVERAGE DAILY TRAFFIC 540	
30) YEAR OF ADT 2013 (109) TRUCK ADT PCT 6	APPRAISAL COL     G7) STRUCTURAL EVALUATION
19) BYPASS OR DETOUR LENGTH 5.0 GEOMETRIC DATA	(68) DECK GEOMETRY
	(69) UNDERCLEARANCES, VERT & HORIZ
48) LENGTH OF MAXIMUM SPAN         54.0           49) STRUCTURE LENGTH         220.0	(71) WATERWAY ADEQUACY
49) STRUCTURE LENGTH         220.0           50) CURB OR SIDEWALK: LEFT         1.1         RIGHT         1.1	(72) APPROACH ROADWAY ALIGNMENT
51) BRIDGE ROADWAY WIDTH, CURB TO CURB 24.0	(36) TRAFFIC SAFETY FEATURES
(52) DECK WIDTH OUT TO OUT 27.1	(113) SCOUR CRITICAL BRIDGES
32) APPROACH ROADWAY WITH (W/ SHOULDERS) 24.0	PROPOSED IMPROVEMENTS
(33) BRIDGE MEDIAN CODE 7	(75) TYPE OF WORK CODE
(34) SKEW         7         (35) STRUCTURE FLARED         7	(76) LENGTH OF STRUCTURE IMPROVEMENT
(10) INVENTORY ROUTE MIN VERT CLEAR 999.9	(94) BRIDGE IMPROVEMENT COST
47) INVENTORY ROUTE TOTAL HORIZ CLEAR (53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9	(95) ROADWAY IMPROVEMENT COST
(54) MIN VERT UNDERCLEAR: REFERENCE H 16.4	
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE H 9.6	
56) MIN LAT UNDERCLEARANCE LT: 16.3	(97) YEAR OF IMPROVEMENT COST ESTIMATE
	(114) FUTURE ADT <b>1,080</b> YEAR OF FUTURE ADT
38) NAVIGATION CONTROL - CODE N	(90) INSPECTION DATE 08/17 (91) FREQUENCY
111) PIER PROTECTION CODE	(92) CRITICAL FEATURE INSPECTION (93) CFI DATE
39) NAVIGATION VERTICAL CLEARANCE 0.0	A) FRACTURE CRIT DETAIL <b>0</b> A)
116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR 0.0	B) UNDERWATER INSP <b>0</b> B)
40) NAVIGATION HORIZONTAL CLEARANCE 0.0	C) OTHER SPECIAL INSP <b>0</b> C)
,	

# **Structure Element Scoring**

#### Structure Number: 770169

# Inspection Date 8/7/2019

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	2923	2863	60	0	0
15	0	Prestressed Concrete Top Flange	Beam	2970	2970	0	0	0
104	0	Prestressed Concrete Closed Web/Box Gir	Beam	990	987	3	0	0
521	104	Concrete Protective Coating	Beam	162	162	0	0	0
109	0	Prestressed Concrete Open Girder/Beam	Beam	440	440	0	0	0
205	0	Reinforced Concrete Column	Piles and Columns	6	6	0	0	0
215	0	Reinforced Concrete Abutment	Abutments	76	75	1	0	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	8	8	0	0	0
226	0	Prestressed Concrete Pile	Piles and Columns	14	14	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	154	153	1	0	0
301	0	Pourable Joint Seal	Expansion Joints	81	81	0	0	0
310	0	Elastomeric Bearing	Bearing Device	36	36	0	0	0
316	0	Other Bearings	Bearing Device	16	4	12	0	0
515	316	Steel Protective Coating	Bearing Device	32	21	11	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	442	438	4	0	0
510	0	Wearing Surface	Wearing Surfaces	5286	4914	48	324	0

# **Summary of Maintenance Needs**

Maintenance By Defect

Structure Number: 770169

Inspection Date: 08/07/2019

MMS Code	Element Name	Defect Name	Recommended Quantity
2816	Wearing Surface	Crack (Wearing Surface)	324 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	11 Square Feet

# **Element Structure Maintenance Quantities**

ructure Number: 770169 Inspection Date 08/07/2019							
MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
3350	Maintenance of Concrete Wings and Wall	0	76	0	0	1	75
3306	Maintenance Concrete Superstructure Components	0	1430	0	0	3	1427
3326	Maintenance of Concrete Deck	0	2970	0	0	0	2970
5603	Partial Cleaning and Painting of Structural Steel	0	162	0	0	0	162
3334	Bridge Bearing	0	52	0	0	12	40
3342	Clean and Paint Steel	11	32	0	0	11	21
3318	Maintenance of Concrete Bridge Rail	0	442	0	0	4	438
3348	Maintenance of Concrete Substructure	0	154	0	0	1	153
3326	Maintenance of Concrete Deck	0	2923	0	0	60	2863
3310	Maintenance of Standard Bridge Expansion Joints	0	81	0	0	0	81
3348	Maintenance of Concrete Substructure	0	8	0	0	0	8
3348	Maintenance of Concrete Substructure	0	20	0	0	0	20
2816	Asphalt Surface Repair	324	5286	0	324	48	4914
	MMS Code           3350           3306           3326           5603           3334           3342           3318           3326           3318           3348           3348           3348           3348           3348	MMS CodeDescription3350Maintenance of Concrete Wings and Wall3306Maintenance Concrete Superstructure Components3326Maintenance of Concrete Deck5603Partial Cleaning and Painting of Structural Steel334Bridge Bearing3342Clean and Paint Steel3318Maintenance of Concrete Bridge Rail3348Maintenance of Concrete Deck3310Maintenance of Standard Bridge Expansion Joints3348Maintenance of Concrete Substructure3348Maintenance of Concrete Substructure	MMS Code         Description         Maint Quantity           3350         Maintenance of Concrete Wings and Wall         0           3306         Maintenance Concrete Superstructure Components         0           3326         Maintenance of Concrete Deck         0           5603         Partial Cleaning and Painting of Structural Steel         0           334         Bridge Bearing         0           3342         Clean and Paint Steel         11           3318         Maintenance of Concrete Bridge Rail         0           3326         Maintenance of Concrete Deck         0           3318         Maintenance of Concrete Bridge Rail         0           3326         Maintenance of Concrete Substructure         0           3348         Maintenance of Concrete Deck         0           3310         Maintenance of Concrete Substructure         0           3348         Maintenance of Concrete Substructure         0	MMS CodeDescriptionMaint QuantityTotal Quantity3350Maintenance of Concrete Wings and Wall0763306Maintenance Concrete Superstructure Components014303326Maintenance of Concrete Deck029705603Partial Cleaning and Painting of Structural Steel0162334Bridge Bearing0523342Clean and Paint Steel11323318Maintenance of Concrete Bridge Rail04423348Maintenance of Concrete Deck029233310Maintenance of Concrete Substructure0813348Maintenance of Concrete Substructure0813348Maintenance of Concrete Substructure020	MMS CodeDescriptionMaint QuantityTotal QuantitySevere Quantity3350Maintenance of Concrete Wings and Wall07603306Maintenance Concrete Superstructure Components0143003326Maintenance of Concrete Deck0297005603Partial Cleaning and Painting of Structural Steel01620334Bridge Bearing05203342Clean and Paint Steel113203348Maintenance of Concrete Bridge Rail015403326Maintenance of Concrete Deck0292303348Maintenance of Concrete Bridge Expansion Joints08103348Maintenance of Concrete Substructure0803348Maintenance of Concrete Substructure0200	MMS CodeDescriptionMaint QuantityTotal QuantitySevere QuantityPoor Quantity3350Maintenance of Concrete Wings and Wall076003306Maintenance Concrete Superstructure Components01430003326Maintenance of Concrete Deck02970005603Partial Cleaning and Painting of Structural Steel016200334Bridge Bearing052003342Clean and Paint Steel1132003348Maintenance of Concrete Deck0154003310Maintenance of Concrete Bridge Rail0442003326Maintenance of Concrete Deck02923003310Maintenance of Concrete Substructure081003348Maintenance of Standard Bridge Expansion Joints8003348Maintenance of Concrete Substructure08003348Maintenance of Concrete Substructure02000	MMS CodeDescriptionMaint QuantityTotal QuantitySevere QuantityPoor QuantityFair Quantity3350Maintenance of Concrete Wings and Wall0760013306Maintenance Concrete Superstructure Components014300033326Maintenance of Concrete Deck0297000005603Partial Cleaning and Painting of Structural Steel01620012334Bridge Bearing05200113318Maintenance of Concrete Bridge Rail0442043326Maintenance of Concrete Deck0154013318Maintenance of Concrete Bridge Rail04420603326Maintenance of Concrete Deck029230013318Maintenance of Concrete Deck0292306003326Maintenance of Concrete Deck0292300603310Maintenance of Standard Bridge Expansion Joints810003348Maintenance of Concrete Substructure080003348Maintenance of Concrete Substructure080003348Maintenance of Concrete Substructure0200003348Maintenance of Concrete Substructure020000

# **Element Condition and Maintenance Data**

Icture No	1			Waaring Surface						
Span		•		Wearing Surface						
Asph	nalt Wearing	g Surfa	ice							
Elem Numi			Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510		Vearing			1,326	1,278	24	24	•	Square Feet
Element	Defect T						00	00.044	Maint	
Number 510 (	Defect Ty	•		Defect Description DE TRANSVERSE CRA			<b>CS</b> 3	CS Qty 24	Qty	A Squara East
;	Crack (Wearing Surface)	-	BENT 1			CINU	-		2	4 Square Feet
	Crack (Wearing Surface)	g	.005 WIDE TRANSV	ERSE CRACK OVER E	BENT 1		2	24		Square Feet
G	Seneral Comm	ents								
Snor	.1			For Booring						
Span				Far Bearing						
	r Bearing									
Elem Numi			Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Bea			1	0	1	0		Each
515	S	Steel Pro	tective Coating		2	1	1	0	0	Square Feet
Element Number	Defect Ty	/pe		Defect Description			CS	CS Qty	Maint	
	-		FRECKLED CORRO	-			2	<b>رد</b> ي و و و	Qty	Each
010	Corrosion									
515    G	Effectiveness ( Protective Coa General Comm	tings)	FRECKLED CORRC	DSION			2	1		1 Square Feet
515 G Span	Effectiveness ( Protective Coa General Comm	tings)	FRECKLED CORRC				2	1		1 Square Feet
515 G Span Other	Effectiveness ( Protective Coa General Comm 1 r Bearing ent	tings)	FRECKLED CORRC	DSION	Total	CS1	CS2	CS3	CS4	
515 G Span Othe Elema Numb	Effectiveness ( Protective Coa General Comm 1 or Bearing ent ber	tings) ents	FRECKLED CORRO	DSION	Qty	Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515 G Span Other	Effectiveness ( Protective Coa General Comm a 1 er Bearing lent ber	tings) ents Dther Bea	FRECKLED CORRO	DSION			CS2	CS3	CS4 Qty 0	
515 G Span Othe Eleme 316 515 Element	Effectiveness ( Protective Coa General Comm on 1 or Bearing ent ber	tings) ents Dther Bea Steel Pro	FRECKLED CORRO	DSION	<b>Qty</b> 1	<b>Qty</b> 0	<b>CS2</b> Qty 1 1	<b>CS3</b> Qty 0 0	CS4 Qty 0 0 Maint	Each
515 G Span Othe Elem Num 316 515 Element Number	Effectiveness ( Protective Coa General Comm on 1 or Bearing lent ber (C S Defect Ty	tings) ents Dther Bea Steel Pro	FRECKLED CORRO Element Name arings tective Coating	DSION Far Bearing Defect Description	<b>Qty</b> 1	<b>Qty</b> 0	CS2 Qty 1 1 CS	CS Qty CS Qty	<b>CS4</b> Qty 0 0	Each Square Feet
515 G Span Othe Elem Numl 316 515 Element Number 316	Effectiveness ( Protective Coa General Common of 1 or Bearing ent ber Corrosion	tings) ents Dther Bea Steel Pro ype	Element Name arings tective Coating	DSION Far Bearing Defect Description DSION	<b>Qty</b> 1	<b>Qty</b> 0	CS2 Qty 1 1 2	CS3 Qty 0 0 0 CS Qty 1	CS4 Qty 0 0 Maint Qty	Each Square Feet Each
515 G Span Othe Numl 316 515 Element Number 316 515	Effectiveness ( Protective Coa General Comm on 1 or Bearing lent ber (C S Defect Ty	tings) ents Dther Bea Steel Pro ype Steel tings)	FRECKLED CORRO Element Name arings tective Coating	DSION Far Bearing Defect Description DSION	<b>Qty</b> 1	<b>Qty</b> 0	CS2 Qty 1 1 CS	CS Qty CS Qty	CS4 Qty 0 0 Maint Qty	Each Square Feet
515 G Span Othe Numl 316 515 Element Number 316 515	Effectiveness ( Protective Coa General Common of 1 or Bearing ent ber Corrosion Effectiveness ( Protective Coa	tings) ents Dther Bea Steel Pro ype Steel tings)	Element Name arings tective Coating	DSION Far Bearing Defect Description DSION	<b>Qty</b> 1	<b>Qty</b> 0	CS2 Qty 1 1 2	CS3 Qty 0 0 0 CS Qty 1	CS4 Qty 0 0 Maint Qty	Each Square Feet Each
515 G Span Othe Numl 316 515 Element Number 316 515	Effectiveness ( Protective Coa General Common a 1 or Bearing ent ber Corrosion Effectiveness ( Protective Coa General Common	tings) ents Dther Bea Steel Pro ype Steel tings)	Element Name arings tective Coating FRECKLED CORRO FRECKLED CORRO	DSION Far Bearing Defect Description DSION	<b>Qty</b> 1	<b>Qty</b> 0	CS2 Qty 1 1 2	CS3 Qty 0 0 0 CS Qty 1	CS4 Qty 0 0 Maint Qty	Each Square Feet Each
515 G Span Othe Eleme Numl 316 515 Element Number 316 515 G Span	Effectiveness ( Protective Coa General Common a 1 or Bearing ent ber Corrosion Effectiveness ( Protective Coa General Common	tings) ents Dther Bea Steel Pro ype Steel tings)	Element Name arings tective Coating FRECKLED CORRO FRECKLED CORRO	DSION Far Bearing Defect Description DSION DSION	<b>Qty</b> 1	<b>Qty</b> 0	CS2 Qty 1 1 2	CS3 Qty 0 0 0 CS Qty 1	CS4 Qty 0 0 Maint Qty	Each Square Feet Each
515 G Span Othe Element Number 316 515 Element Number 316 515 G Span Othe Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 Span Othe Element Number 316 Span Othe Element Number 316 Span Othe Element Number 316 Span Othe Element Number 316 Span Othe Element Number 316 Span Othe Element Number 316 Span Othe Element Span Othe Element Span Othe Element Span Othe Element Span	Effectiveness ( Protective Coa General Comm a 1 or Bearing lent ber Corrosion Effectiveness ( Protective Coa General Comm a 1 or Bearing ent	tings) ents Dther Bea Steel Pro ype Steel tings)	Element Name arings tective Coating FRECKLED CORRO FRECKLED CORRO	DSION Far Bearing Defect Description DSION DSION	Qty 1 2	Qty 0 1	CS2 Qty 1 1 2 2 CS2	CS3 Qty 0 0 0 0 1 1 1	CS4 Qty 0 0 Maint Qty	Each Square Feet Each 1 Square Feet
515 G Span Other Element Number 316 515 Element Number 316 515 G Span Other G	Effectiveness ( Protective Coa General Common a 1 or Bearing lent ber Corrosion Effectiveness ( Protective Coa General Common a 1 or Bearing lent ber	tings) ents Dther Bea Steel Pro ype Steel tings)	Element Name arings tective Coating FRECKLED CORRO FRECKLED CORRO FRECKLED CORRO	DSION Far Bearing Defect Description DSION DSION	Qty 1 2	Qty 0 1	CS2 Qty 1 1 2 2	CS3 Qty 0 0 0 0 0 0 1 1 1	CS4 Qty 0 0 Maint Qty	Each Square Feet Each 1 Square Feet
515 515 G Span Othe Element Number 316 515 Element Span G Span Othe Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 515 Element Number 316 Span Othe Element Number 316 Span Othe Element Number 316 Span Othe Element Number 316 Span Othe Element Number 316 Span Othe Element Number 316 Span Othe Element Number Span Othe Element Number Span Othe Element Number Span Othe Element Number Span	Effectiveness ( Protective Coa General Common a 1 or Bearing ent ber Corrosion Effectiveness ( Protective Coa General Common a 1 or Bearing ent ber Common Common common Common common common Common common common Common c	tings) ents Dther Bea Steel Pro ype Steel tings) ents Dther Bea	Element Name arings tective Coating FRECKLED CORRO FRECKLED CORRO FRECKLED CORRO	DSION Far Bearing Defect Description DSION DSION	Qty 1 2 Total Qty	Qty 0 1 CS1 Qty	CS2 Qty 1 1 2 2 2 CS2 Qty	CS3 Qty 0 0 CS Qty 1 1 1	CS4 Qty 0 0 Maint Qty CS4 Qty 0	Each Square Feet Each 1 Square Feet
515 515 G Span Othel Span 316 515 Element Span G Span Othel Span G Span Othel 16 515 515 515 515 515 515 515	Effectiveness ( Protective Coa General Common a 1 or Bearing ent ber Corrosion Effectiveness ( Protective Coa General Common a 1 or Bearing ent ber Corrosion Effectiveness ( Protective Coa General Common a 1 or Bearing ent ber	tings) ents Dther Bea Steel Pro ype Steel tings) ents Dther Bea Steel Pro	Element Name arings tective Coating FRECKLED CORRO FRECKLED CORRO FRECKLED CORRO Element Name arings	Far Bearing Defect Description DSION DSION Far Bearing	Qty 1 2 Total Qty 1	Qty 0 1 2 0 2 5 1 0	CS2 Qty 1 1 2 2 2 CS2 Qty 1 1 1	CS3 Qty 0 0 0 0 0 0 1 1 1 2 0 0 0 0 0	CS4 Qty 0 0 Maint Qty 0 0 0 Maint	Each Square Feet Each 1 Square Feet
515 515 G Span Othe Element 316 515 Element Span G Span Othe Element Span Othe 515 Element Span Othe Span G Span Othe Span Span Othe Span Span Othe Span Span Othe Span Sp	Effectiveness ( Protective Coa General Common a 1 or Bearing ent ber Corrosion Effectiveness ( Protective Coa General Common a 1 or Bearing ent ber Corrosion Effectiveness ( Protective Coa General Common a 1 or Bearing ent ber	tings) ents Dther Bea Steel Pro ype Steel tings) ents Dther Bea Steel Pro	Element Name arings tective Coating FRECKLED CORRO FRECKLED CORRO FRECKLED CORRO Element Name arings	Defect Description         DSION         Defect Description         DSION         DSION         DSION         Defect Description         Defect Description	Qty 1 2 Total Qty 1	Qty 0 1 2 0 2 5 1 0	CS2 Qty 1 1 1 CS 2 2 CS2 Qty 1	CS3 Qty 0 0 0 CS Qty 1 1 1 2 4 4 4 0	CS4 Qty 0 0 Maint Qty CS4 Qty 0 0	Each Square Feet Each 1 Square Feet

#### **General Comments**

Spar	n 1	F	ar Bearing						
Othe	er Bearing								
Elerr Num 316		Element Name		Total Qty 1	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> Qty 1	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 Ea	ach
515		otective Coating		2	1	1	0	0 Se	quare Feet
Element Number	Defect Turne		Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion	FRECKLED CORROS	SION			2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROS	SION			2	1	1	Square Feet
C	General Comments								
Spar	n 2	v	Vearing Surface						
Aspl	halt Wearing Surf	ace							
Elem		_		Total	CS1	CS2	CS3	CS4	
<b>Num</b> 510	<b>וber</b> Wearing	Element Name		<b>Qty</b> 1,320	<b>Qty</b> 1,070	<b>Qty</b> 0	<b>Qty</b> 250	Qty	quare Feet
		Gunace		1,520	1,070	0	200	Maint	
Element Number	Defect Turne		Defect Description			CS	CS Qty	Qty	
510	Crack (Wearing Surface)	LONGITUDINAL REF RT LANE, LT SHOUL			0 WIDE,	3	250	250	Square Feet
ī	General Comments			OOLDER					
Spar	n 2	L	eft Bridge Rail.						
Con	crete Railing								
Elen				Total	CS1	CS2	CS3	CS4	
<b>Num</b> 331		Element Name ed Concrete Bridge Rail	lina	<b>Qty</b> 55	<b>Qty</b> 51	Qty 4	<b>Qty</b> 0	<b>Qty</b> 0 Fe	et
						т	0		
Element Number	Defect Type		Defect Description			cs	CS Qty	Maint Qty	
331	Cracking (RC and	2 HAIRLINE VERTICA		2 AND 2 I	HAIRLINE	2	4		Feet
ī	Other) General Comments	VERTICAL CRACKS	AT POST 8						
Spar	n 2	E	Expansion Joint						
Stan	ndard Joint								
Elem Num		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301		e Joint Seal		27	27	0	0	0 Fe	eet
Element Number	Dofoot Typo		Defect Description			CS	CS Qty	Maint Qty	
7	General Comments								
, c	General Comments								

NOT VISIBLE

Structure Number: 770169

Span 2

# Prestressed Concrete Cored Slab

Elem Num 15		Prestres	Element Name ssed Concrete Top Flange	Total Qty 165	<b>CS1</b> <b>Qty</b> 165	<b>CS2</b> <b>Qty</b> 0	<b>CS3</b> <b>Qty</b> 0	<b>CS4</b> Qty 0	
104		Prestressed Concrete Closed Web/Box Girder			54	1	0	0	Feet
521		Concrete Protective Coating			9	0	0	0	Square Feet
Element Number	Defect	Туре	Defect Description	<u>ו</u>		CS	CS Qty	Maint Qty	
104	Damage		OUTBOARD LOWER SIDE OF THE SLA DAMAGE, APPROX 1'L X UP TO 5"W X CENTERED OVER THE RT SOUTHBOU	UP TO 2"D,	IMPACT	2	1		Feet

General Comments

# Span 2

Slab 5

Slab 1

#### **Prestressed Concrete Cored Slab** CS1 CS2 CS3 CS4 Element Total Qty Qty Number **Element Name** Qty Qty Qty 15 Prestressed Concrete Top Flange 165 165 0 Square Feet 0 0 104 Prestressed Concrete Closed Web/Box Girder 55 54 0 0 Feet 1 521 **Concrete Protective Coating** 9 9 0 0 0 Square Feet Element Maint CS Qty **Defect Type Defect Description** CS Number Qty 2 Delamination/Spall LOWER SIDE OF THE SLAB AT THE LEADING CORNER HAS Feet 104 1 PAST IMPACT DAMAGE, APPROX 2"LINE X UP TO 4"W X UP

TO 1"D CENTERED OVER THE RT SOUTHBOUND LANE

Slab 9

**General Comments** 

# Span 2

Pres	tressed Concr	ete Cored Slab						
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prest	tressed Concrete Top Flange	165	165	0	0	0	Square Feet
104	Prest	tressed Concrete Closed Web/Box Girder	55	54	1	0	0	Feet
521	Conc	crete Protective Coating	9	9	0	0	0	Square Feet
Element Number	Defect Turne	Defect Description	Defect Description			CS Qty	Maint Qty	
104	Damage	LOWER SIDE OF THE SLAB AT THE LEADING CORNER HAS PAST IMPACT DAMAGE, APPROX 4"LINE X UP TO 4"W X UP TO 1"D CENTERED OVER THE RT SOUTHBOUND LANE				1		Feet

**General Comments** 

## Span 3

#### Wearing Surface

### **Asphalt Wearing Surface**

Elem Num 510	ber	Element Name	<b>Total</b> <b>Qty</b> 1,320	<b>CS1</b> <b>Qty</b> 1,270	<b>CS2</b> <b>Qty</b> 24	<b>CS3</b> <b>Qty</b> 26	<b>CS4</b> <b>Qty</b> 0 Square Feet
Element	Defect Turne	Defect Descr	intion		CS	CS Qtv	Maint
Number		Delete Deser	iption		00	oo aly	Qty

Structure Number: 770169

.005 WIDE TRANSVERSE CRACK OVER BENT 2

2

510 Crack (Wearing Surface) General Comments

Span 3	3	I	Expansion Joint						
Standa	ard Joint								
Elemer				Total	CS1	CS2	CS3	CS4	
Numbe 301	-	Element Name		<b>Qty</b> 27	<b>Qty</b> 27	<b>Qty</b> 0	<b>Qty</b> 0	<b>Qty</b> 0 Feet	
	Foundable	- Joint Seal		21	21	0	0	0 Feet	
Element Number	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
Gei	neral Comments								
	NOT VISIBLE								
Span 4	l .		Deck						
Reinforced Concrete Deck									
Elemer				Total	CS1	CS2	CS3	CS4	
Numbe 12	-	Element Name ed Concrete Deck		<b>Qty</b> 1,458	<b>Qty</b> 1,398	<b>Qty</b> 60	<b>Qty</b> 0	Qty 0 Square Feet	
	Keiniore			1,450	1,590	00	0	•	
Element Number	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
	acking (RC and her)		ansverse Cracking (RC a rescence near mid-spar			2	60	Square Fe	eet
Ger	neral Comments								
Snon /			Expansion laint						
Span 4 Standa	ard Joint		Expansion Joint						
Elemen				Total	CS1	CS2	CS3	CS4	
Numbe 301	-	Element Name		<b>Qty</b> 27	<b>Qty</b> 27	<b>Qty</b> 0	<b>Qty</b> 0	<b>Qty</b> 0 Feet	
		Som Sea		21	21	0	0		
Element Number	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
Ger	neral Comments								
	NOT VISIBLE								
Span 4	l .		Wearing Surface						
Aspha	It Wearing Surf	ace							
Elemen				Total	CS1	CS2	CS3	CS4	
Numbe 510	r Wearing	Element Name Surface		<b>Qty</b> 1,320	<b>Qty</b> 1,296	<b>Qty</b> 0	<b>Qty</b> 24	Qty 0 Square Feet	
				,	,	-		Maint	
Element Number	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
_St	ack (Wearing urface)	.005 TO .020 WIDE 2	TRANSVERSE CRACK	OVER EN	ND BENT	3	24	24 Square Fe	et

**General Comments** 

Structure Number: 770169

# Span 4

Other	Bearin	C

	ment nber Other Be	Element Name	Total Qty	<b>CS1</b> <b>Qty</b> 0	CS2 Qty	<b>CS3</b> <b>Qty</b> 0	CS4 Qty	
310	Other B	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	2	1	1	0	0	Square Feet
Elemen Numbe	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion	FRECKLED CORROSION			2	1		Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION			2	1		1 Square Feet
	General Comments							

Bearing								
	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Other Be	earings		1	0	1	0	0	Each
Steel Pro	otective Coating		2	2	0	0	0	Square Feet
Defect Type		Defect Description			CS	CS Qty	Maint Qty	
rosion	FRECKLED CORRO	DSION			2	1	-	Each
'n		osion FRECKLED CORRO	osion FRECKLED CORROSION	osion FRECKLED CORROSION	osion FRECKLED CORROSION	osion FRECKLED CORROSION 2	osion FRECKLED CORROSION 2 1	Defect TypeDefect DescriptionCSCS QtyQtyosionFRECKLED CORROSION21

Spa	in 4	Near Bearing					
Oth	er Bearing						
	<b>ment</b> <b>nber</b> Other E	Element Name Bearings	Total Qty 1	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> Qty 1		CS4 Qty 0 Each
515	Steel P	rotective Coating	2	1	1	0	0 Square Feet
Elemer Numbe	Defect Type	Defect Description	on		CS	CS Qty	Maint Qty
316	Corrosion	FRECKLED CORROSION			2	1	Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION			2	1	1 Square Feet
	General Comments						

S	pan	4	

# Far Bearing

#### Other Bearing

Ou	lei bearing						
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other B	earings	1	0	1	0	0 Each
515	Steel Pr	otective Coating	2	1	1	0	0 Square Feet
Eleme Numb	Defect Type	Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	FRECKLED CORROSION			2	1	Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION			2	1	1 Square Feet
	General Comments						

# Span 4

Other Bearing
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	<b>---</b> - <b>----</b> - <b>-------</b> - <b>---</b> - <b>---</b> - <b>---</b> - <b>---</b> - <b>--</b> - <b>---</b> - <b>--</b> - <b>-</b> -						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other B	earings	1	0	1	0	0 Each
515	Steel Pr	otective Coating	2	1	1	0	0 Square Feet
Elemen Numbe	Dofoot Typo	Defect Description	on		CS	CS Qty	Maint Qty
316	Corrosion	FRECKLED CORROSION			2	1	Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION			2	1	1 Square Feet
-	General Comments						

# Span 4

# Far Bearing

**Near Bearing** 

# **Other Bearing**

•							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other B	earings	1	0	1	0	0 Each
515	Steel Pr	otective Coating	2	1	1	0	0 Square Feet
Eleme Numbe	Defect Type	Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	FRECKLED CORROSION			2	1	Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION			2	1	1 Square Feet
	General Comments						

# Span 4

# **Near Bearing**

# Other Bearing

	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other B	earings	1	0	1	0	0 Each
515	Steel Pr	otective Coating	2	1	1	0	0 Square Feet
Elemen Numbe	Defect Type	Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	FRECKLED CORROSION			2	1	Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION			2	1	1 Square Feet
	General Comments						

**General Comments** 

# Span 4

# **Far Bearing**

Other	Bearing
-------	---------

Elen Num 316		Element Name earings	Total Qty 1	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> Qty 1	<b>CS3</b> <b>Qty</b> 0	<b>CS4</b> Qty 0 Each
515	Steel Pr	otective Coating	2	1	1	0	0 Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	FRECKLED CORROSION			2	1	Each
515	Effectiveness (Steel	FRECKLED CORROSION			2	1	1 Square Feet

**General Comments** 

End Be	ent 1		Cap 1						
Reinfor	rced Concrete	Pier Cap							
Element Number 234	r	Element Name ced Concrete Pier Cap	)	Total Qty 32	<b>CS1</b> <b>Qty</b> 32	<b>CS2</b> Qty 0	<b>CS3</b> Qty 0	<b>CS4</b> Qty 0	Feet
Element Number	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
Gen	neral Comments								
	END BENT PILE	S NOT VISIBLE DUE	TO CONCRETE SLOPE	PROTECT	ION				
End Be	ent 1		Abutment						
Reinfor	rced Concrete	Abutment							
Element Number 215	r	Element Name ced Concrete Abutmer	nt	Total Qty 38	<b>CS1</b> Qty 37	CS2 Qty 1	<b>CS3</b> Qty 0	<b>CS4</b> Qty 0	Feet
Element	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
Number									
215 Pat Gen	atched Area	BAY 1, SOUND PA	TCH AT LOWER SIDE A			2	1		Feet
215 Pat Gen Bent 2	neral Comments		TCH AT LOWER SIDE A			2	1		Feet
215 Pat Gen Bent 2	rced Concrete		Reinforced Concr			2 CS2 Qty 0	1 CS3 Qty 0	CS4 Qty 0	Feet
215 Pat Gen Bent 2 Reinfor Element Number	rced Concrete	Footing Element Name	Reinforced Concr	rete Foot Total Qty	ing 1 CS1 Qty	CS2 Qty	CS3 Qty	Qty	
215 Pat Gen Bent 2 Reinfor Element Number 220 Element Number	neral Comments rced Concrete It r Reinfor	Footing Element Name ced Concrete Pile Cap	Reinforced Concr	rete Foot Total Qty	ing 1 CS1 Qty	<b>CS2</b> Qty 0	CS3 Qty 0	Qty 0 Maint	
215 Pat Gen Bent 2 Reinfor Element Number 220 Element Number	rced Concrete t r Reinfor Defect Type heral Comments FOOTING NOT V	Footing Element Name ced Concrete Pile Cap	Reinforced Concr	rete Foot Total Qty	ing 1 CS1 Qty	<b>CS2</b> Qty 0	CS3 Qty 0	Qty 0 Maint	
215 Pat Gen Bent 2 Reinfor Element Number 220 Element Number Gen	rced Concrete t r Reinfor Defect Type heral Comments FOOTING NOT V	Footing Element Name ced Concrete Pile Cap	Reinforced Concr	rete Foot Total Qty	ing 1 CS1 Qty	<b>CS2</b> Qty 0	CS3 Qty 0	Qty 0 Maint	
215 Pat Gen Bent 2 Reinfor Element Number 220 Element Number Gen	rced Concrete t r Reinfor Defect Type heral Comments FOOTING NOT V rced Concrete t	Footing Element Name ced Concrete Pile Cap	Reinforced Concr	rete Foot Total Qty	ing 1 CS1 Qty	<b>CS2</b> Qty 0	CS3 Qty 0	Qty 0 Maint	
215 Pat Gen Bent 2 Reinfor Element Number 220 Element Number Gen Bent 2 Reinfor	rced Concrete t r Defect Type heral Comments FOOTING NOT V rced Concrete t r	Footing Element Name ced Concrete Pile Cap	Reinforced Concr //Footing Defect Description	Total Qty 8	ing 1 CS1 Qty 8	CS2 Qty 0 CS	CS3 Qty 0 CS Qty CS Qty	Qty 0 Maint Qty CS4 Qty	
215 Pat Gen Bent 2 Reinfor Element Number 220 Element Number Gen Bent 2 Reinfor	rced Concrete t r Defect Type heral Comments FOOTING NOT V rced Concrete t r	Footing Element Name ced Concrete Pile Cap 'ISIBLE Pier Cap Element Name	Reinforced Concr //Footing Defect Description	Total Qty 8	CS1 Qty 8	CS2 Qty 0 CS CS2 Qty	CS3 Qty 0 CS Qty CS Qty	Qty 0 Maint Qty CS4 Qty	Feet

Structure Number: 770169 Inspection Date: 08/07/2019 Cap 1 End Bent 2 **Reinforced Concrete Pier Cap** Element Number Total Qty CS1 Qty CS2 Qty CS3 Qty CS4 Qty **Element Name** 234 Reinforced Concrete Pier Cap 32 32 0 0 0 Feet Element Maint CS Qty Defect Type **Defect Description** CS Number Qty

**General Comments** 

END BENT PILES NOT VISIBLE DUE TO CONCRETE SLOPE PROTECTION

# **Elements Verfied**

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1465
Span 1	Beam 1	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 1	Beam 2	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 1	Beam 3	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 1	Beam 4	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	56
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	56
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1326
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Slab 1	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 2	Slab 1	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 2	Slab 2	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 2	Slab 2	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 2	Slab 3	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 2	Slab 3	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 2	Slab 4	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 2	Slab 4	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 2	Slab 5	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 2	Slab 5	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 2	Slab 6	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 2	Slab 6	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 2	Slab 7	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 2	Slab 7	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 2	Slab 8	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 2	Slab 8	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 2	Slab 9	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 2	Slab 9	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	55
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	55
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1320
Span 3	Slab 1	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 3	Slab 1	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 3	Slab 2	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 3	Slab 2	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 3	Slab 3	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 3	Slab 3	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 3	Slab 4	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 3	Slab 4	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55

# **Elements Verfied**

Location	Name	Component	Element Name	Amount
Span 3	Slab 5	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 3	Slab 5	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 3	Slab 6	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 3	Slab 6	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 3	Slab 7	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 3	Slab 7	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 3	Slab 8	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 3	Slab 8	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 3	Slab 9	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	165
Span 3	Slab 9	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	55
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	55
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	55
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1320
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1458
Span 4	Beam 1	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 4	Beam 2	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 4	Beam 3	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 4	Beam 4	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	55
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	55
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1320
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Bent 1	Cap 1	Step Down Reinforced Concrete Cap	Reinforced Concrete Pier Cap	30
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	38
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	30
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	38
Bent 3	Cap 1	Step Down Reinforced Concrete Cap	Reinforced Concrete Pier Cap	30
Bent 3	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1

# **General Inspection Notes**

Bent 1	Cap 1			
END BENT PILES NOT VISIBLE DUE TO CONCRETE SLOPE PROTECTION				
Bent 2				
FOOTING NOT VISIB	FOOTING NOT VISIBLE			
Bent 2	Cap 1			
END BENT PILES NO	END BENT PILES NOT VISIBLE DUE TO CONCRETE SLOPE PROTECTION			
Span 2	Expansion Joint			
NOT VISIBLE				
Span 3	Expansion Joint			
NOT VISIBLE				
Span 4	Expansion Joint			
NOT VISIBLE				

# **National Bridge and NC Inspection Items**

Structure Number: 770169

Inspection Date: 08/07/2019

### National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0-9, N	7
Item 59: Superstructure	0 - 9 , N	7
Item 60: Substructure	0 - 9 , N	7
Item 61: Channel and Channel Protection	0 - 9 , N	N
Item 62: Culvert	0 - 9 , N	N
Item 71: Waterway Adequacy	0 - 9 , N	N
Item 72: Approach Roadway Alignment	0 - 9 , N	8

Note: If NBI Inspection Item is not present, code NBI item with "N"

#### **NC SMU Inspection Items**

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	F	5286	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	F	45	3352
Scour	G, F, P, or C			
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation				
Drift	G, F, P, or C			
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Superstructure Paint Code				

Note: If NC SMU Insepction Item is not present, leave NC SMU item blank

#### **Inspection Information**

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	N
Inspection Time	Hours	4
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

# National Bridge and NC SMU Inspection Item Details

Structure Num	ber: 770169		Ir	nspection Date: 08/07/2019
Item	Superstructure - Item 59	Grade 7	Maint Code	<b>Qty.</b> 0
Details	SPANS 2 AND 3 ELASTROMERIC BEARING PADS	NOT VISIBLE		
Item	Deck Debris	Grade F	Maint Code 3376	<b>Qty.</b> 5286
Details	DECK DEBRIS ALONG BOTH CURBS			
Item	Slope Protection	Grade F	Maint Code 3352	<b>Qty.</b> 45
Deteile				

Details END BENT 1 SLOPE PROTECTION .010 WIDE TRANSVERSE CRACKING 45 FT.

County: ROBESON

Date: 08/07/2019



Span 4 Beam 1 Near Bearing: FRECKLED CORROSION



Span 4 Beam 1 Near Bearing: FRECKLED CORROSION

Date: 08/07/2019



Span 4 Deck: 60 Square Feet of transverse Cracking (RC and Other): Width up to 1/32" with efflorescence near midspan ON UNDERSIDE OF DECK

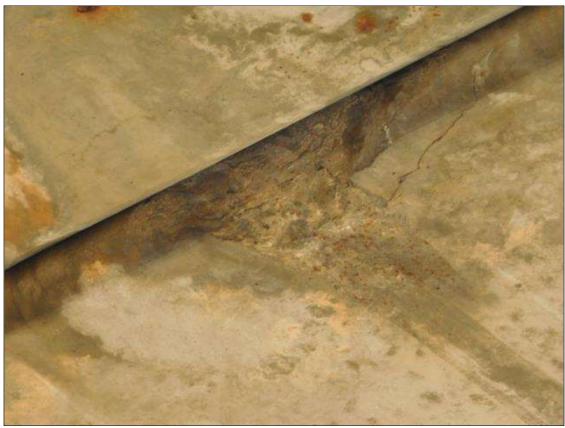


Span 2 Slab 1: OUTBOARD LOWER SIDE OF THE SLAB HAS PAST IMPACT DAMAGE, APPROX 1'L X UP TO 5"W X UP TO 2"D, CENTERED OVER THE RT SOUTHBOUND LANE

Date: 08/07/2019



Span 2 Slab 5: LOWER SIDE OF THE SLAB AT THE LEADING CORNER HAS PAST IMPACT DAMAGE, APPROX 2"LINE X UP TO 4"W X UP TO 1"D CENTERED OVER THE RT SOUTHBOUND LANE



Span 2 Slab 9: LOWER SIDE OF THE SLAB AT THE LEADING CORNER HAS PAST IMPACT DAMAGE, APPROX 4"LINE X UP TO 4"W X UP TO 1"D CENTERED OVER THE RT SOUTHBOUND LANE

Date: 08/07/2019

## **Condition Photos**



Bent 2 Cap 1: 1 Feet of longitudinal Cracking (RC and Other): Width .005 open on bottom face under slabs 4 and 5.



END BENT 1 SLOPE PROTECTION .010 WIDE TRANSVERSE CRACKING 45 FT.

Date: 08/07/2019



End Bent 1 Abutment/Backwall : BAY 1, SOUND PATCH AT LOWER SIDE AT GIRDER 2



Span 1 Beam 1 Far Bearing: FRECKLED CORROSION

Date: 08/07/2019



Span 1 Beam 1 Far Bearing: FRECKLED CORROSION



DECK DEBRIS ALONG BOTH CURBS

County: ROBESON

Date: 08/07/2019



Span 1 Wearing Surface: UP TO .103 FT. WIDE TRANSVERSE CRACK OVER END BENT 1



Span 1 Wearing Surface: .005 WIDE TRANSVERSE CRACK OVER BENT 1

County: ROBESON

Date: 08/07/2019

**Condition Photos** 



Span 2 Wearing Surface: LONGITUDINAL REFLECTIVE CRACKING UP TO .010 WIDE, RT LANE, LT SHOULDER AND RIGHT SHOULDER



Span 2 Left Bridge Rail: 2 HAIRLINE VERTICAL CRACKS AT POST 2 AND 2 HAIRLINE VERTICAL CRACKS AT POST 8

County: ROBESON

Date: 08/07/2019

## **Condition Photos**



Span 3 Wearing Surface: .005 WIDE TRANSVERSE CRACK OVER BENT 2



Span 3 Wearing Surface: OVER BENT 3, FULL WIDTH TRANSVERSE CRACKING UP TO .042 WIDE WITH IMPENDING POPOUTS



Span 4 Wearing Surface: .005 TO .020 WIDE TRANSVERSE CRACK OVER END BENT 2

County: ROBESON

Date: 08/07/2019

Structure Photos



NORTH END OF BENT 3 CAP



END BENT 2

County: ROBESON

Date: 08/07/2019

Structure Photos



# SPAN 4 BEAM 2 FAR BEARING



SOUTH PROFILE

County: ROBESON

Date: 08/07/2019

Structure Photos



LOOKING NORTH, NORTHBOUND LANE I-95 THRU SPAN 3



SPAN 3 SUPERSTRUCTURE, SPAN 2 SIMILAR



BENT 3



NORTH END OF BENT 2 CAP

Date: 08/07/2019

Structure Photos



NORTH PROFILE



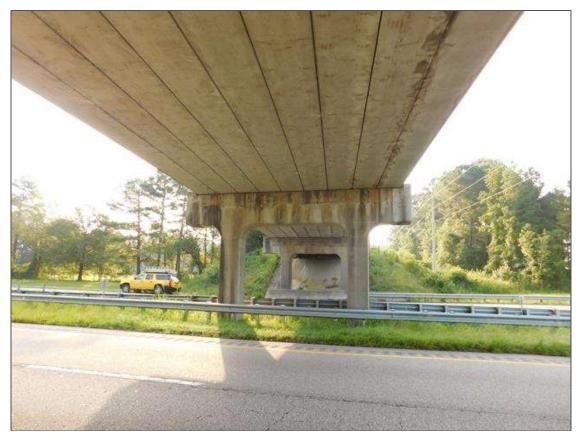
LOOKING SOUTH, SOUTHBOUND LANE I-95 THRU SPAN 2

Date: 08/07/2019

# Structure Photos



BENT 1



Date: 08/07/2019

# Structure Photos



SPAN 4 SUPERSTRUCTURE, SPAN 1 SIMILAR



GUARDRAIL END TERMINAL

County: ROBESON

Date: 08/07/2019

Structure Photos



GUARDRAIL POST SPACING AT MID PORTION



LOOKING EAST

County: ROBESON

Date: 08/07/2019

## Structure Photos



GUARDRAIL POST SPACING AT TRANSITION



**GUARDRAIL CONNECTION** 

Date: 08/07/2019

Structure Photos



LOOKING EAST, OFF BRIDGE



LOOKING WEST, OFF BRIDGE

Structure: 770169

County: ROBESON

Date: 08/07/2019

Structure Photos



LOOKING SOUTH, I-95



LOOKING NORTH, I-95

Structure: 770169

County: ROBESON

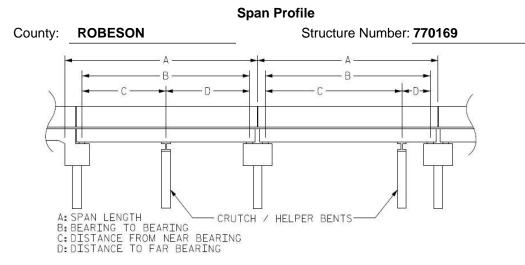
Date: 08/07/2019

Structure Photos



LOOKING WEST

## Structure Data Worksheet



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	55.250	52.417			
2	55.000	53.667			
3	55.000	53.667			
4	55.000	53.667			

## NATIONAL BRIDGE INVENTORY------ STRUCTURE INVENTORY AND APPRAISAL Run Date: 09/17/2019

		·		
(1) STATE NAME -NORTH CAROLINA		BRIDGE	77	70169
(8) STRUCTURE NUMBER(FEDERAL)		000	0000015	50169
(5) INVENTORY ROUTE (ON/UNDER)			310 <sup>-</sup>	17180
(2) STATE HIGHWAY DEPARTMENT				1
(3) COUNTY CODE 155	5 (4) PLACE C	ODE		C
(6) FEATURE INTERSECTED - 195				
(7) FACILITY CARRIED SR1718				
(9) LOCATION 0.3 MI. E. JCT. U	S301			
(11)MILEPOINT				0
(16)LAT 34° 54' 29.45"	(17)LONG	78° 57' 22	2.13"	
(98)BORDER BRIDGE STATE CODE		PCT SHA	RE	
(99)BORDER BRIDGE STRUCTURE N	Ю			
STRUCTURE	TYPE AND MA			
(43) STRUCTURE TYPE MAIN: Prest	ressed Concrete			
TYPE - Stringer Mutlibeam or G	iirder		CODE	502
(44) STRUCTURE TYPE APPR : Pres	stressed Concrete	9		
TYPE - Slab			CODE	501
(45) NUMBER OF SPANS IN MAIN UN	IIT			3
(46) NUMBER OF APPROACH SPANS	3			
(107)DECK STRUCTURE TYPE - 1			CODE	
(108)WEARING SURFACE / PROTECT	FIVE SYSTEM :			
(A) TYPE OF WEARING SURFACE	- Bituminous		CODE	6
(B) TYPE OF MEMBRANE -	None		CODE	(
(C) TYPE OF DECK PROTECTION	- None		CODE	(
AGE A	ND SERVICE			
(27) YEAR BUILT				1959
(106)YEAR RECONSTRUCTED				
(42) TYPE OF SERVICE : ON -	Highway			
UNDER - Highway			CODE	11
(28) LANES: ON STRUCTURE	2 UNDER STR	UCTURE		4
(29) AVERAGE DAILY TRAFFIC				540
(30) YEAR OF ADT 2013	(109) TRUCK	ADT PCT		6%
(19) BYPASS OR DETOUR LENGTH				5 MI
(48) LENGTH OF MAXIMUM SPAN	TRIC DATA -			54 F
(49) STRUCTURE LENGTH				20 F1
(50)CURB OR SIDEWALK: LEFT	1.0835 F	T RIGHT	1.08	35 F
(51) BRIDGE ROADWAY WIDTH CUR				24 F
(52) DECK WIDTH OUT TO OUT				33 F1
(32) APPROACH ROADWAY WIDTH (	W/SHOULDERS)			24 F1
(33) BRIDGE MEDIAN - No Median			CODE	(
(34) SKEW 7°	(35) STRUCT	URE FLARED		(
(10) INVENTORY ROUTE MIN VERT C	. ,			9.9 F1
(47) INVENTORY ROUTE TOTAL HOR				24 F1
(53) MIN VERT CLEAR OVER BRIDGE				9.9 F1
(54) MIN VERT UNDERCLEAR REF				6.4 F1
(55) MIN LAT UNDERCLEAR RT REF				25 F1
	5			

#### 

(56) MIN LAT UNDERCLEAR LT REF -

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

16.25 FT

B) UNDERWATER INSP -

C) OTHER SPECIAL INSP

SCOUR

SUFFICIENCY RATING =

STATUS = Functionally Obsolete

CLASSIFICATION	CODE
(112)NBIS BRIDGE SYSTEM -	YES
(104)HIGHWAY SYSTEM Is not on NHS	0
(26) FUNCTIONAL CLASS - Local	09
(100)STRAHNET HIGHWAY - Not a STRAHNET Route	0
(101)PARALLEL STRUCTURE - No Parallel Structure	Ν
(102)DIRECTION OF TRAFFIC - 2-way Traffic	2
(103)TEMPORARY STRUCTURE -	
(110) DESIGNATED NATIONAL NETWORK - Not on the National Network	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

CONDITION	- CODE
(58) DECK	7
(59) SUPERSTRUCTURE	7
(60) SUBSTRUCTURE	7
(61) CHANNEL & CHANNEL PROTECTION	Ν
(62) CULVERTS	Ν
LOAD RATING AND POSTING	CODE
(31) DESIGN LOAD H 15	2
(63) OPERATING RATING METHOD - Load Factor	1
(64) OPERATING RATING - HS-42	75
(65) INVENTORY RATING METHOD - Load Factor	1
(66) INVENTORY RATING - HS-17	31
(70) BRIDGE POSTING - No Posting Required	5
(41) STRUCTURE OPEN, POSTED ,OR CLOSED	А
DESCRIPTION - Open, No Restriction	
APPRAISAL	- CODE
(67) STRUCTURAL EVALUATION	7
(68) DECK GEOMETRY	4
(69) UNDERCLEARANCES, VERTI & HORIZ	3
(71) WATERWAY ADEQUACY	N
(72) APPROACH ROADWAY ALIGNMENT	8
(36) TRAFFIC SAFETY FEATURES	0010
(113)SCOUR CRITICAL BRIDGES	N
PROPOSED IMPROVEMENTS	
(75) TYPE OF WORK - CODE	
(76) LENGTH OF STRUCTURE IMPROVEMENT	
(94) BRIDGE IMPROVEMENT COST	
(95) ROADWAY IMPROVEMENT COST	
(96) TOTAL PROJECT COST	
(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(114)FUTURE ADT 1080 (115) YEAR FUTURE ADT	2025
INSPECTIONS	
(90) INSPECTION DATE	08/07/2019
(92) CRITICAL FEATURE INSPECTION : (93) CFI DATE	E
A) FRACTURE CRIT DETAIL - NO A)	

NO

NO

B)

C)

78.63

Structure No: 770169

## County: ROBESON

Run Date:

			ertical					c			Traffic	nce		See Not	e 1					ute
Span Number	Feature Intersected	Inventory Route	Minimum Maximum Vel Clearance	Milepoint	Base Highway Network	LRS Inventory Route	Toll	Functional Classification	Numer of Lanes	Average Daily Traffic	Year of Average Daily 1	Total Horizontal Clearanc	Reference Feature	Minimum Vertical Underclearance	Right Lateral Underclearance	Left Lateral Underclearance		STRAHNET   Designator	Direction of Traffic	Highway System of Route
	6	5	10	11	12	13	20	26	28	29	30	47	54A	54	55	56	69	100	102	104
2	195S	11000950	16.4	38.30	1	10095		1	2	19500	2013	47.17	Н	16.1	9.83	16.33	9	1	1	1
3	195N	11000950	16.6	38.30	1	10095		1	2	19500	2013	46.88	н	16.4	9.63	16.25	9	1	1	1

Note 1: Items 54, 55, and 56 are not reported FHWA under route data points but are collected for each under route to determine the minimum value for Underclearance Appraisal Item 69. The under route that generates the lowest Underclearance Appraisal value will be reported on the Facility Carried record.

### BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE	Run Date: 09/17/2019

COUN RC	ITY : DBESON			DIVISION 6	: DIS	STRICT: 1	STRI		NUMBER : 0169		l	LENGT	TH : 220	FEET
ROUT	E CARRIED :	SR1718	8		F	FEATURE	INTERSE		195					
LOCA		E. JCT. U	S301		BR	IDGE NAM	ИЕ :			CITY :	:			
FUNC	. CLASS :	SYS	T.ON :	SYST.	UNDER :		ADT	& YR :			RAIL	TYPE	:	
	09		NFA			NFA		540	2013		LT	141	RT 1	41
BUILT 1	- <u>-</u> 959	BY :	SHC	PRC	)J : 8.13	962	FE	D.AID PR	OJ :	DE	ESIGN L		H 15	
REHA	В:	BY : D	ЭН	PROJ : 4192	27.3.1	ALIGNME	ENT : TAN	SKE	N : 97	LAN		2	UNDER	4
NAVIO	GATION : VC (	) F1	г	HC 0	FT	HT. CR	N. TO BEI	D : 0	FT	WAT	ER DEP	: HT 0		FT
SUPE	RSTRUCTURE	E: R(	C FLOOR/	PPC GDRS.	& PPC CC	DRED SLA	BS							
SUBS	TRUCTURE :	EE	BTS:RC C/	APS/PREST	R.CONC.F	PILES;INT.	.BTS:RCP8	&BEAM						
SPAN	S :	1@	255'3", 2@	955', 1@55';	3"									
BEAM	IS OR GIRDER	S :	SPN.AC	CD 4LNS PF	C GDRS.	SPN.B 9LN	NS.PPC CC	DRED SLA	B SECTION	IS				
FLOO	R : RC&PPO AW	CS/1.75"		ENCROAC	HMENT :			DEC	K (OUT TO (		28.33 FT	Т		
CLEA	R ROADWAY :			BETWEEN	RAILS :			SID	EWALK OR	CURB :				
	2	24 FT				26.167	FT			LT	1.083 FT	5	RT	1.0835 FT
	.CL.OVER : 9.9 FT													
INV.R	TG. : HS-17	OP	E.RTG. : HS	C 6-42	ONTR.ME		A&D	POSTE SV	D : TTS	ST	[	DATE		
SYSTI Prima	EM : ary S.R. Route								GREE	EN LINE	ROUTE	:: N	N	
UNDE	R ROUTES AN	ND CLEA	RANCES											
				Clearances		ontal Clear	rances							
Span	Route Desc	ription	MMVC	MVC	Total	Left	Right							
2	195S		16.40	0 16.10	47.1660	16.3330	9.8330							

9.6250

Note: All measurements are in feet.

16.60

16.40 46.8750 16.25

3

195N

# **Bridge Inspection Field Sketch**

## SR-1718 (GREEN SPRINGS ROAD) (OVER I-95 AT M.P. 38.3)

### MEASUREMENTS TAKEN APPROX 10' BACK FROM THE STRUCTURE

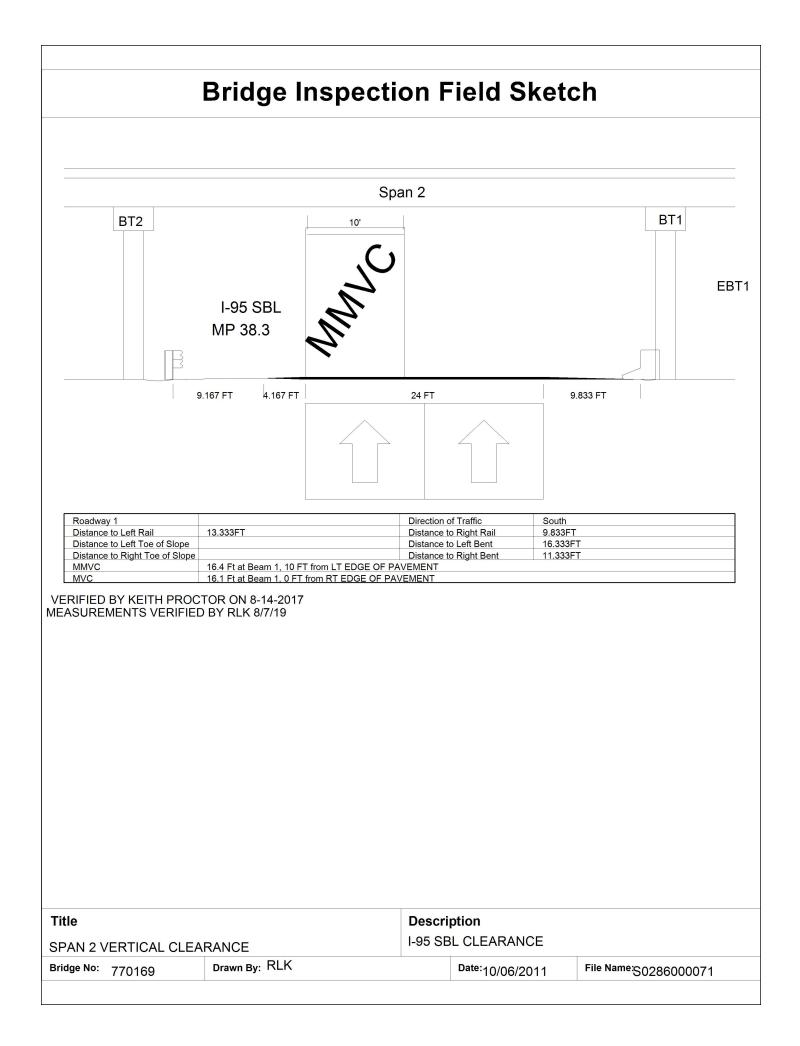
Roadway	18.5ft Wide	2 Paved Lanes	Looking East
Left Shoulder	2.83ft Wide	2.83ft Paved	
Right Shoulder	2.5ft Wide	2.5ft Paved	
Left Guardrail	2.83ft from road		
	2.001110111000		
Right Guardrail	2.5ft from road		

VERIFIED BY KEITH PROCTOR ON 8-14-2017 MEASUREMENTS VERIFIED BY SFS 8/7/19

Title		Description						
APPROACH		WEST APPROACH						
Bridge No: 770169	Drawn By: RLK Date:11/17/2009 File Name:S0286000047							
			1					

	Bridge	Inspect	ion	Field	Ske	tch	
	Deck Width/Out to Out	28.33ft	Betwe	en Rails		26.16	S7ft
	Clear Roadway 24ft			ng Surface		0.146	
	Median Width			n Height		0.1110	
	Curb Height		Left	0.75ft	Right	0.75ft	
	Sidewalk Width		Left		Right		
	Clear Roadway (Rail to	Median)	Left		Right		
	Guardrail Width		Left	0.917ft	Right	0.917ft	
_	Top of Rail to Deck/Wea	aring Surface	Left	2.50ft		2.50ft	
	Bridge Rail		Left	Type 14	Right	Type 14	
	٦						
$\square$							
	Measurements for Span #	٤ 1	SPA	N 4 SIMILA	R		
	Deck Thickness	.58	Left	Overhang		3.6	7
	Top of Rail to Bottom of B	eam 6.167		t Overhang		3.6	7
Beam Numl	ber Beam Type	Spacing		Com	ments		
1	PPC Girder	7ft					
2	PPC Girder	7ft					
3	PPC Girder	7ft					
4	PPC Girder	ft					
VERIFIED BY KE	EITH PROCTOR ON 8-14	4-2017					
MEASUREMEN	TS VERIFIED BY SFS 8/	7/19			ے۔ ج ک ک		
Title			Desc TYPI	ription CAL SECTI	ON SPA	► 18	
	SUPERSTRUCTURE-1						
Bridge No: 770169	Drawn By: RLK			Date:11/17	7/2009	File N	<sup>ame:</sup> S0286000048

	Bri	idge Insp	ecti	on F	Field Sketc	h				
			00.000	14/ .						
	Deck Width/O		28.33ft		ng Surface	.146 FT.				
	Between Rails	8	26.167ft		n Width					
	Curb Height		.75ft		n Height					
		eck/Wearing Surface	2.50ft		uardrail Width					
	Clear Roadwa	-	24ft	-	Guardrail Width					
	Left Bridge Ra	ail	Type 14	Right E	Bridge Rail	Type 14				
	Measurement	s for Span #	2		3 SIMILAR					
	Deck Thickne		2		verhang	0.67				
		Bottom of Beam	4.67		Dverhang	0.67				
	Top of Rain to	Bottom of Beam	4.07	rtight t	Sverhang	0.01				
	No of Slat	os Slab Height	Slab V	Slab Width						
	9	1.75ft*	3.	00ft						
Title	INTS VERIFIED E	R ON 8-14-2017 (* 1 BY SFS 8/7/19		Descri						
SUPERSTRUCTURE-2					SIMILAR SECTION FOR SPANS 2 & 3					
Bridge No: 770169 Drawn By: RLK					Date:11/17/2009 File Name:S02860000					



	Bridge Ins	spection	Field S	ketch		
		Span 3				
BT2				)	BT3	
	I-95 MP 38		M			EBT2
	9.583 FT 3.667 FT	24 FT		9.625 FT	· [	
Roadway 1 Distance to Left Rail	13.25FT		n of Traffic e to Right Rail	North 9.625FT		
Distance to Left Toe of Slope Distance to Right Toe of Slope		Distance	e to Left Bent e to Right Bent	16.25FT 10.625FT		
MMVC MVC	16.6 Ft at Beam 1, 10 FT from 16.4 Ft at Beam 1, 0 FT from	n RT EDGE OF PAVEMENT				
VERIFIED BY KEITH PROC MEASUREMENTS VERIFIE						
Title			r <mark>iption</mark> RANCE FOR I-			
SPAN 3 VERTICAL CL	EARANCE Drawn By: RLK	OLEA			<b>I</b>	
Bridge No: 770169			Date:10/06/20		<sup>lame:</sup> S0286000072	

Length 29.667 ft.         Width 3.000 ft.         Height 2.500 ft.         Left Overhang 6.500 ft.         Right Overhang 6.500 ft.         Left Beam to End of Cap. 4.500 ft.         Right Beam to End of Cap. 4.500 ft.           Subcap Information Length         Width         Height         Left Overhang         Right Overhang         Left Pile to Splice.         Image: Comparison of the Cap. 4.500 ft.         4.500 ft			Bri	dge l	nsp	oectio	on F	iel	d S	ketc	h			
Length 29.667 ft.         Width 3.000 ft.         Height 2.500 ft.         Left Overhang 6.500 ft.         Right Overhang 6.500 ft.         Left Beam to End of Cap. 4.500 ft.         Right Beam to End of Cap. 4.500 ft.           Subcap Information Length         Width         Height         Left Overhang         Right Overhang         Left Pile to Splice.         Image: Comparison of the Cap. 4.500 ft.         4.500 ft														
Length 29.667 ft.         Width 3.000 ft.         Height 2.500 ft.         Left Overhang 6.500 ft.         Right Overhang 6.500 ft.         Left Beam to End of Cap. 4.500 ft.         Right Beam to End of Cap. 4.500 ft.           Subcap Information Length         Width         Height         Left Overhang         Right Overhang         Left Pile to Splice.         Image: Comparison of the Cap. 4.500 ft.         4.500 ft														
Length 29.667 ft.         Width 3.000 ft.         Height 2.500 ft.         Left Overhang 6.500 ft.         Right Overhang 6.500 ft.         Left Beam to End of Cap. 4.500 ft.         Right Beam to End of Cap. 4.500 ft.           Subcap Information Length         Width         Height         Left Overhang         Right Overhang         Left Pile to Splice.         Image: Comparison of the Cap. 4.500 ft.         4.500 ft														
Length 29.667 ft.         Width 3.000 ft.         Height 2.500 ft.         Left Overhang 6.500 ft.         Right Overhang 6.500 ft.         Left Beam to End of Cap. 4.500 ft.         Right Beam to End of Cap. 4.500 ft.           Subcap Information Length         Width         Height         Left Overhang         Right Overhang         Left Pile to Splice.         Image: Comparison of the Cap. 4.500 ft.         4.500 ft	Can Inf	ormation		Matarial	Cost in	Diago Conc	roto			L				
29.667 ft.       3.000 ft.       2.500 ft.*       6.500 ft.       6.500 ft.       4.500 ft.       4.500 ft.         Subcap Information       Material       Left Overhang       Right Overhang       Left Pile to Splice.       Image: Constraint of the con			Height					eft Be	am to Er	nd of Cap.	Riah	t Beam to Er	nd of Cap.	
Length       Width       Height       Left Overhang       Right Overhang       Left Pile to Splice.         Sill Information       Material         Length       Width       Height       Left Overhang       Left Pile to Splice.         Pile #       Material       Spacing       Width/Dia.       Height       Length       Orientation       Driven?       Replacement?       Removed?       Collar?         1       Concrete       16.67 ft.       2.5 ft.       3 ft.       Vertical       No       No       No       No         2       Concrete       2.5 ft.       3 ft.       Vertical       No       No       No       No       No         REVISED BY KEITH PROCTOR ON 8-14-2017 (*       DENOTES CHANGE)       MEASUREMENTS VERIFIED BY SFS 8/7/19       File DBY SFS 8/7/19       Vertical       No       No       No       No         Bent/Abutment #:       1       Similar Bents:       3       3       Similar Bents:       3       Similar Bents:       1         UBSTRUCTURE-1       Description       BENTS 1&3       Similar Bents:       3       Similar Bents:       1						-	-			a er eapt	-		a er eapi	
Length       Width       Height       Left Overhang       Right Overhang       Left Pile to Splice.         Sill Information       Material       Material       Material       Material       Material       Spacing       Width/Dia.       Height       Length       Orientation       Driven?       Replacement?       Removed?       Collar?         1       Concrete       16.67       ft.       3 ft.       Vertical       No       No       No       No         2       Concrete       16.67       ft.       3 ft.       Vertical       No       No       No       No         REVISED BY KEITH PROCTOR ON 8-14-2017 (*       DENOTES CHANGE)       No       No       No       No       No       No         REASUREMENTS VERIFIED BY SFS 8/7/19	Subcap	Information		Material			I.							
Length       Width       Height       Length       Orientation       Driven?       Replacement?       Removed?       Collar?         1       Concrete       16.67 ft.       2.5 ft.       3 ft.       Vertical       No       No       No       No         2       Concrete       2.5 ft.       3 ft.       Vertical       No       No       No       No       No         2       Concrete       2.5 ft.       3 ft.       Vertical       No       No       No       No       No         REVISED BY KEITH PROCTOR ON 8-14-2017 (* DENOTES CHANGE)       MEASUREMENTS VERIFIED BY SFS 8/7/19       Image: State of the state			Height	Left Over	hang	Right Ove	rhang L	eft Pil	e to Splic	ce.				
Length       Width       Height         Pile #       Material       Spacing       Width/Dia.       Height       Length       Orientation       Driven?       Replacement?       Removed?       Collar?         1       Concrete       16.67 ft.       2.5 ft.       3 ft.       Vertical       No       No       No       No         2       Concrete       2.5 ft.       3 ft.       Vertical       No       No       No       No         REVISED BY KEITH PROCTOR ON 8-14-2017 (*       DENOTES CHANGE)       MEASUREMENTS VERIFIED BY SFS 8/7/19       Image: State of the														
Pile #       Material       Spacing       Width/Dia.       Height       Length       Orientation       Driven?       Replacement?       Removed?       Collar?         1       Concrete       16.67 ft.       2.5 ft.       3 ft.       Vertical       No				Material										
1     Concrete     16.67 ft.     2.5 ft.     3 ft.     Vertical     No     No     No     No       2     Concrete     2.5 ft.     3 ft.     Vertical     No     No     No     No       REVISED BY KEITH PROCTOR ON 8-14-2017 (*     DENOTES CHANGE)     Measurement     No     No     No     No       MEASUREMENTS VERIFIED BY SFS 8/7/19     SFS 8/7/19     Similar Bents:     3     3	Length	Width	Height											
1     Concrete     16.67 ft.     2.5 ft.     3 ft.     Vertical     No     No     No     No       2     Concrete     2.5 ft.     3 ft.     Vertical     No     No     No     No       REVISED BY KEITH PROCTOR ON 8-14-2017 (*     DENOTES CHANGE)     Measurement     No     No     No     No       MEASUREMENTS VERIFIED BY SFS 8/7/19     SFS 8/7/19     Similar Bents:     3     3	Pile #	Material	Spacing	Width/Dia.	Height	l ength	Orienta	ation	Driven?	Replacen	nent?	Removed?	Collar?	
2       Concrete       2.5 ft.       3 ft.       Vertical       No       No       No       No         REVISED BY KEITH PROCTOR ON 8-14-2017 (*       DENOTES CHANGE)       Image: Change of the state of the stat					-	Longui					lone.			
Bent/Abutment #:     1     Similar Bents:     3       itle     Description       UBSTRUCTURE-1     BENTS 1&3	2	Concrete		2.5 ft.	3 ft.		Vertica	al	No	No		No	No	
itle     Description       UBSTRUCTURE-1     BENTS 1&3	MEAS	D BY KEITH UREMENT	S VERIF	PR ON 8-14	4-2017 SFS 8	(* DENOT /7/19	ES CHA	NGE	)					
itle     Description       UBSTRUCTURE-1     BENTS 1&3	Bent/Ah	utment #· 1		Similar	Rente:	3								
UBSTRUCTURE-1 BENTS 1&3						3	Descri	ption						
	SUBSTRUCTURE-1													
	ridge No:		Drawn	<sup>By:</sup> RLK										

Bridge Inspection Field Sketch         Cap Information         Length       Width       Height       Left Overhang       Right Overhang       Left Beam to End of Cap.       Right Beam to End of Cap.         29.709       3.000 ft.       4.250 ft.       6.520 ft.       2.792 ft.       2.917 ft.         Subcap Information       Material       Left Overhang       Right Overhang       Left Pile to Splice.         Sill Information       Material       Left Overhang       Right Overhang       Left Pile to Splice.         Sill Information       Material       Bight Overhang       Left Pile to Splice.       Sill Information         Length       Width       Height       Left Overhang       Right Overhang       Left Pile to Splice.         Sill Information       Material       Spacing       Width/Dia.       Height       Left Overhang       No       No       No         1       Concrete       16.667 ft.       2.5 ft.*       3 ft.*       Vertical       No       No       No       No         2       Concrete       16.667 ft.       2.5 ft.*       3 ft.*       Vertical       No       No       No       No         REVISED BY KETH PROCICE ON 8-14-2.017 (* DENOTES CHANGE)       Image Space/Space/Space/Space/Space													
Length 29.709 ft.         Width 3.000 ft.         Height 4.250 ft.         Left Overhang 6.520 ft.         Right Overhang 6.520 ft.         Left Beam to End of Cap. 2.792 ft.         Right Beam to End of Cap. 2.917 ft.           Subcap Information Length         Material         Image: Comparison of Cap. 2.917 ft.         2.917 ft.         2.917 ft.           Sill Information         Material         Left Overhang         Right Overhang         Left Pile to Splice.         2.917 ft.           Sill Information         Material         Left Overhang         Right Overhang         Left Pile to Splice.         Vertice.           Sill Information         Material         Material         Spacing         Width/Dia.         Height         Length         Orientation         Driven?         Replacement?         Removed?         Collar?           1         Concrete         16.667 ft.         2.5 ft.*         3 ft.*         Vertical         No         No         No         No           REVISED BY KEITH PROCTOR ON 8-14-2017         Vertical         No			Bri	dge l	nsp	ectio	on F	-ie	ld S	ketc	h		
Length 29.709 ft.         Width 3.000 ft.         Height 4.250 ft.         Left Overhang 6.520 ft.         Right Overhang 6.520 ft.         Left Beam to End of Cap. 2.792 ft.         Right Beam to End of Cap. 2.917 ft.           Subcap Information Length         Material         Image: Comparison of Cap. 2.917 ft.         2.917 ft.         2.917 ft.           Sill Information         Material         Left Overhang         Right Overhang         Left Pile to Splice.         2.917 ft.           Sill Information         Material         Left Overhang         Right Overhang         Left Pile to Splice.         Vertice.           Sill Information         Material         Material         Spacing         Width/Dia.         Height         Length         Orientation         Driven?         Replacement?         Removed?         Collar?           1         Concrete         16.667 ft.         2.5 ft.*         3 ft.*         Vertical         No         No         No         No           REVISED BY KEITH PROCTOR ON 8-14-2017         Vertical         No													
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Length     Width     Height     Left Overhang     Right Overhang     Left Pile to Splice.       Sill Information     Material     Material     Material     Material       Length     Width     Height     Length     Orientation     Driven?     Replacement?     Removed?     Collar?       1     Concrete     16.667 ft.     2.5 ft.*     3 ft.*     Vertical     No     No     No     No       2     Concrete     2.5 ft.*     3 ft.*     Vertical     No     No     No     No     No       REVISED BY KEITH PROCTOR ON 8-14-2017 (*     DENOTES     CHANGE)     Status     No     No     No     No       MEASUREMENTS VERIFIED BY SFS 8/7/19     SFS 8/7/19     SFS 8/7/19     Status	Lengt 29.709	h Width ft. 3.000 ft.		Left Over 6.520	rhang	Right Ove	rhang			d of Cap.			d of Cap.
Material         Length       Width       Height       Length       Orientation       Driven?       Replacement?       Removed?       Collar?         1       Concrete       16.667 ft       2.5 ft.*       3 ft.*       Vertical       No       No       No       No         2       Concrete       2.5 ft.*       3 ft.*       Vertical       No       No       No       No         REVISED BY KEITH PROCTOR ON 8-14-2017 (*       DENOTES CHANGE)       MEASUREMENTS VERIFIED BY SFS 8/7/19       DENOTES CHANGE)       Image: Change of the state			Llaiaht			Dialet Our			la ta Cali	-			
Length       Width       Height       Length       Orientation       Driven?       Replacement?       Removed?       Collar?         1       Concrete       16.667 ft       2.5 ft.*       3 ft.*       Vertical       No       No       No       No         2       Concrete       2.5 ft.*       3 ft.*       Vertical       No       No       No       No       No         2       Concrete       2.5 ft.*       3 ft.*       Vertical       No       No       No       No       No         2       Concrete       2.5 ft.*       3 ft.*       Vertical       No       No       No       No       No         REVISED BY KEITH PROCTOR ON 8-14-2017 (*       DENOTES CHANGE)       Image: State	Lengt	n width	Height	Left Over	nang	Right Ove	mang	Leπ ΡΙ	le to Split	e.			
Length       Width       Height         Pile #       Material       Spacing       Width/Dia.       Height       Length       Orientation       Driven?       Replacement?       Removed?       Collar?         1       Concrete       16.667 ft.       2.5 ft.*       3 ft.*       Vertical       No       No       No       No         2       Concrete       2.5 ft.*       3 ft.*       Vertical       No       No       No       No         REVISED BY KEITH PROCTOR ON 8-14-2017 (*       DENOTES CHANGE)       Means of the second secon	Sill Info	ormation		Material									
1       Concrete       16.667 ft.       2.5 ft.*       3 ft.*       Vertical       No       No <td></td> <td></td> <td>Height</td> <td></td>			Height										
2       Concrete       2.5 ft.*       3 ft.*       Vertical       No       No       No       No         REVISED BY KEITH PROCTOR ON 8-14-2017 (*       DENOTES CHANGE)       DENOTES CHANGE)       Image: Change of the test of te	Pile #	Material	Spacing	Width/Dia.	Height	Length	Orien	tation	Driven?	Replacen	nent?	Removed?	Collar?
REVISED BY KEITH PROCTOR ON 8-14-2017 (* DENOTES CHANGE) MEASUREMENTS VERIFIED BY SFS 8/7/19 Bent/Abutment #: 2 Similar Bents: tle JBSTRUCTURE-2 Description BENT 2	1	Concrete	16.667 ft.	2.5 ft.*	3 ft.*		Vertic	al	No	No		No	No
MEASUREMENTS VERIFIED BY SFS 8/7/19       Bent/Abutment #:     2     Similar Bents:       tle     Description       JBSTRUCTURE-2     BENT 2	2	Concrete		2.5 ft.*	3 ft.*		Vertic	cal	No	No		No	No
tle     Description       JBSTRUCTURE-2     BENT 2									,				
tle     Description       JBSTRUCTURE-2     BENT 2													
JBSTRUCTURE-2 BENT 2		butment #: 2		Similar I	Bents:		D.						
idge No:         770169         Drawn By:         RLK         Date:         11/17/2009         File Name:         S0098000948													
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