

ATTENTION: PRIORITY ACTION REQUEST ISSUED; CHANGE TO LATERAL UNDERCLEARANCES

Structure Safety Report

Routine Element Inspection - Contract

STRUCTURE NUMBER: 1/01/6	SAP STRUCTURE NO:	0180176	FHWA ST	RUCTURE NO: 000	000000	350176
DIVISION: 12 COUNTY: CATAWBA	INSPE	CTION DATE: 04/0	04/2023	FREQUENCY: 24	4 MONT	HS
FACILITY CARRIED: SR1716			MILE F	POST:		
LOCATION: 0.6 MI. N. JCT. US70						
FEATURE INTERSECTED: 140						
LATITUDE : 35° 43' 29.73"	LONGITUDE:	81° 8' 38.37"				
SUPERSTRUCTURE: REINFORCED CC	NCRETE DECK GIRDER	RS				
SUBSTRUCTURE: E.BENTS:RC CAPS &	PPC PILES, INT.BENTS	RCP&B ON PILE	FTGS			
SPANS: 4 SPANS. SEE SPAN PROFIL	LE SHEET FOR SPAN DE	ETAILS				
FRACTURE CRITICAL TEMPO	RARY SHORING	SCOUR CRITICAL	_ □sc	OUR PLAN OF AC	CTION	
GRADES: (Inspector/NBI Coding) DECK 5	/ 5 SUPERSTRUCTUI	RE 6/6 SUI	BSTRUCTURE	6/6 CULVER	RT N/N	1
POSTED SV: Not Posted		POSTED TTST:	Not Posted			
		-				
OTHER SIGNS PRESENT: 4 DELINEATO	DRS					
				noticed ed for		Number Required
	b. 1/2 V	A V	No.	O WEIGHT	LIMIT	0
			N	O DELINEA	TORS	0
		الالله	No.	O NARROW B	RIDGE	0
	旨到		N	ONE LANE E	BRIDGE	0
			N	D LOW CLEAF	RANCE	0
				DIRECTION OF INSPECTION	S-N	
			M	DIRECTION ATCHES PLANS		
LOOKING NORTH			W	SILOT EARO		
INSPECTED BY Jim Stocks	SIGNATURE	Slads of	ASSIST	ED BY Rick Wertma	an	

IDENTIFICATION		CUEFICIENCY PATING	
	70176	SUFFICIENCY RATING STATUS = Functionally (78.5
,	350176		
(5) INVENTORY ROUTE (ON/UNDER) ON 310 (2) STATE HIGHWAY DEPARTMENT DISTRICT)17160 12	CLASSIFICATION ————————————————————————————————————	CODE
(3) COUNTY CODE (FEDERAL) 35 (4) PLACE CODE	12720	(112) NBIS BRIDGE SYSTEM	
(6) FEATURE INTERSECTED 140		(104) HIGHWAY SYSTEM Inventory Route not on NHS	(
(7) FACILITY CARRIED SR1716		(26) FUNCTIONAL CLASS Urban Local	19
(9) LOCATION 0.6 MI. N. JCT. US70	0.0	(100) STRAHNET HIGHWAY Not a STRAHNET Route	(
(11) MILEPOINT (12) BASE HIGHWAY NETWORK	0.0 0	(101) PARALLEL STRUCTURE	(
(13) LRS INVENTORY ROUTE & SUBROUTE	0	(102) DIRECTION OF TRAFFIC 2-way traffic	2
(16) LATITUDE 35° 43' 29.73" (17) LONGITUDE 81° 8'	38.37"	(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	3
STRUCTURE TYPE AND MATERIAL —		(21) MAINT -	01
(43) STRUCTURE TYPE MAIN	ncrete	(22) OWNER -	01
TYPE Tee Beam CODE	104	(37) HISTORICAL SIGNIFICANCE -	į
(44) STRUCTURE TYPE APPROACH		CONDITION	CODE
TYPE CODE	0	(58) DECK	
(45) NUMBER OF SPANS IN MAIN UNIT	4	(59) SUPERSTRUCTURE	•
(46) NUMBER OF SPANS IN APPROACH	0	(60) SUBSTRUCTURE	•
(107) DECK STRUCTURE TYPE CODE	1	(61) CHANNEL & CHANNEL PROTECTION	N
(108)WEARING SURFACE/PROTECTIVE SYSTEM		(62) CULVERTS	N
(A) TYPE OF WEARING SURFACE CODE	1	LOAD RATING AND POSTING	CODE
(B) TYPE OF MEMBRANE CODE	0	(31) DESIGN LOAD HS 15	3
(C) TYPE OF DECK PROTECTION CODE	0	(63) OPERATING RATING METHOD - Load Factor	1
AGE AND SERVICE		(64) OPERATING RATING - HS-44	79
(27) YEAR BUILT	1957	(65) INVENTORY RATING METHOD -	1
(106) YEAR RECONSTRUCTED	0	(66) INVENTORY RATING HS-26	47
(42) TYPE OF SERVICE ON - Highway - Pede	estrian	(70) BRIDGE POSTING No Posting Required	į
OFF - Highway CODE	51	(41) STRUCTURE OPEN, POSTED, OR CLOSED	A
(28) LANES ON STRUCTURE 2 LANES UNDER STRUCTURE	8	DESCRIPTION Open, no restriction	
(29) AVERAGE DAILY TRAFFIC	3000	APPRAISAL	CODE
(30) YEAR OF ADT 2019 (109) TRUCK ADT PCT	7	(67) STRUCTURAL EVALUATION	(
(19) BYPASS OR DETOUR LENGTH	5.0	(68) DECK GEOMETRY	N
GEOMETRIC DATA		(69) UNDERCLEARANCES, VERT & HORIZ	3
(48) LENGTH OF MAXIMUM SPAN	58.0	(71) WATERWAY ADEQUACY	N
(49) STRUCTURE LENGTH	234.0	(72) APPROACH ROADWAY ALIGNMENT	8
(50) CURB OR SIDEWALK: LEFT 3.3 RIGHT	3.3	(36) TRAFFIC SAFETY FEATURES	N
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB (52) DECK WIDTH OUT TO OUT	28.0 36.0	(113) SCOUR CRITICAL BRIDGES	N
(32) APPROACH ROADWAY WITH (W/ SHOULDERS)	23.0	PROPOSED IMPROVEMENTS	
(33) BRIDGE MEDIAN CODE	5	(75) TYPE OF WORK CODE	
(34) SKEW 25 (35) STRUCTURE FLARED	1111	(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	0.0 999.9	(95) ROADWAY IMPROVEMENT COST	
(54) MIN VERT UNDERCLEAR: REFERENCE H	15.3	(96) TOTAL PROJECT COST	
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE H	8.5	(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(56) MIN LAT UNDERCLEARANCE LT:	15.9	(114) FUTURE ADT 6,000 YEAR OF FUTURE ADT	2040
NAVIGATION DATA			2040
(38) NAVIGATION CONTROL - CODE	6	(90) INSPECTION DATE 04/23 (91) FREQUENCY	24
(111) PIER PROTECTION CODE		(92) CRITICAL FEATURE INSPECTION (93) CFI DATE	E
(39) NAVIGATION VERTICAL CLEARANCE	0.0	A) FRACTURE CRIT DETAIL A)	
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR	0.0	B) UNDERWATER INSP B)	
		O) OTHER OREGINE INOR	
(40) NAVIGATION HORIZONTAL CLEARANCE	0.0	C) OTHER SPECIAL INSP C)	

			Vertical				ر			raffic	ээг			See N	lote Be	low			m	
Span Number	Facility Carried	Inventory Route	Maximum Minimum Ver Clearance	Milepoint	Base Highway	LRS Inventory Route	Functional Classification	Number of Lanes	Average Daily Traffic	Year of Average Daily T	Total Horizontal Clearance	Reference Feature	Minimum Vertical Underclearance	Rigth Lateral Underclearance	_ L	Underclearance Appraisal Grade	STRAHNET Highway	Direction of Traffic	National Highway System	National Truck Network
	7	5	10	11	12	13	26	28	29	30	47	54A	54	55	56	69	100	102	104	110
2	I 40 E	11000400	15.6	135.3	1	10040	11	2	25500	2017	9,999.0	Н	15.5	9.5	16.3	3		1		
2	I 40 E	11000400	15.6	135.3	1	10040	11	2	25500	2017	39.5	Н	15.5	9.5	16.3	3		1		
3	I 40 W	11000400	15.3	135.3	1	10040	11	2	25500	2017	39.7	Н	15.3	9.2	15.9	3		1		
3	I 40 W	11000400	15.3	135.3	1	10040	11	2	25500	2017	9,999.0	Н	15.3	8.5	15.9	3		1		

Superstructure Build Details

Span Number $\underline{1}$

Span Length <u>57.000</u>

Skew 65.000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
5	Other Bearing	Other Bearings	5	Each	Unknown	5
1	Standard Joint	Pourable Joint Seal	31	Feet		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	275	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2052	Square Feet		
2	Delineator	Warning Signs	2	Each		
5	Fixed Bearing	Fixed Bearing	5	Each	Unknown	5
2	Concrete Railing	Reinforced Concrete Bridge Railing	114	Feet		

Span Number $\underline{2}$

Span Length 60.000

Skew 65.000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
2	Concrete Railing	Reinforced Concrete Bridge Railing	120	Feet		
5	Fixed Bearing	Fixed Bearing	5	Each	Unknown	5
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	300	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2160	Square Feet		
1	Standard Joint	Pourable Joint Seal	31	Feet		
5	Other Bearing	Other Bearings	5	Each	Unknown	5

Span Number 3

Span Length 60.000

Skew 65.000

Number of Items	Type of Component	ype of Component Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
5	Other Bearing	Other Bearings	5	Each	Unknown	5
5	Fixed Bearing	Fixed Bearing	5	Each	Unknown	5
2	Concrete Railing	Reinforced Concrete Bridge Railing	120	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2160	Square Feet		

Superstructure Build Details

5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	300	Feet	
1	Standard Joint	Pourable Joint Seal	31	Feet	

 Span Number 4
 Span Length 57.000
 Skew 65.000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2052	Square Feet		
5	Other Bearing	Other Bearings	5	Each	Unknown	5
5	Fixed Bearing	Fixed Bearing	5	Each	Unknown	5
2	Concrete Railing	Reinforced Concrete Bridge Railing	114	Feet		
2	Delineator	Warning Signs	2	Each		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	275	Feet		
2	Standard Joint	Pourable Joint Seal	62	Feet		

Structure Element Scoring

Structure Number: 170176 Inspection Date 4/4/2023

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12		Reinforced Concrete Deck	Deck	8,424	1	7,292	1,131	0
110		Reinforced Concrete Open Girder/Beam	Beam	1,150	1,064	70	16	0
205		Reinforced Concrete Column	Piles and Columns	9	5	2	2	0
215		Reinforced Concrete Abutment	Abutments	100	97	3	0	0
226		Prestressed Concrete Pile	Piles and Columns		16	0	0	0
234		Reinforced Concrete Pier Cap	Caps	225	155	18	52	0
301		Pourable Joint Seal	Expansion Joints	155	155	0	0	0
313		Fixed Bearing	Bearing Device	20	0	15	5	0
316		Other Bearings	Bearing Device	20	0	10	10	0
331		Reinforced Concrete Bridge Railing	Bridge Rail	468	307	111	50	0
515	313	Steel Protective Coating	Bearing Device	20	0	0	11	9
515	316	Steel Protective Coating	Bearing Device	20	0	0	9	11
602		Warning Signs	Ground Mounted Signs	4	4	0	0	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 170176 Inspection Date: 04/04/2023

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	6628 Square Feet
3326	Reinforced Concrete Deck	Delamination/Spall	940 Square Feet
3326	Reinforced Concrete Deck	Patched Areas	3 Square Feet
3306	Reinforced Concrete Open Girder/Beam	Delamination/Spall	20 Feet
3306	Reinforced Concrete Open Girder/Beam	Cracking (RC and Other)	4 Feet
3348	Reinforced Concrete Column	Cracking (RC and Other)	12 Each
3348	Reinforced Concrete Column	Delamination/Spall	4 Each
3348	Reinforced Concrete Pier Cap	Delamination/Spall	34 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	29 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	2 Feet
3334	Fixed Bearing	Corrosion	5 Each
3334	Other Bearings	Corrosion	10 Each
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	50 Feet
3318	Reinforced Concrete Bridge Railing	Exposed Rebar	103 Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	40 Square Feet

Element Structure Maintenance Quantities

Structure Number: 170176 Inspection Date 04/04/2023

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Beam	3306	Maintenance Concrete Superstructure Components	24	1150	0.000	16.000	70.000	1064.000
Bearing Device	3334	Bridge Bearing	5	20	0.000	5.000	15.000	0.000
Bearing Device	3334	Bridge Bearing	10	20	0.000	10.000	10.000	0.000
Bearing Device	3342	Clean and Paint Steel	20	20	9.000	11.000	0.000	0.000
Bearing Device	3342	Clean and Paint Steel	20	20	11.000	9.000	0.000	0.000
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	153	468	0.000	50.000	111.000	307.000
Deck	3326	Maintenance of Concrete Deck	7571	8424	0.000	1131.000	7292.000	1.000
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	155	0.000	0.000	0.000	155.000
Ground Mounted Signs	3250	Install or Replace Grond Mounted Signs	0	4	0.000	0.000	0.000	4.000
Abutments	3350	Maintenance of Concrete Wings and Wall	0	100	0.000	0.000	3.000	97.000
Caps	3348	Maintenance of Concrete Substructure	65	225	0.000	52.000	18.000	155.000
Piles and Columns	3348	Maintenance of Concrete Substructure	0	16	0.000	0.000	0.000	16.000
Piles and Columns	3348	Maintenance of Concrete Substructure	16	9	0.000	2.000	2.000	5.000

Priority Actions Request

Structure Num	ber 170176	_	
Span2			
3318	Left Bridge Rail	Concrete Railir	ng
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	13	Span 2 Left Bridge Rail: PAR: (13) SPALLS AND DELAMINATED AREAS UP TO 2 FEET HIGH X 3 INCHES WIDE X 3 INCHES DEEP WITH EXPOSED REBAR INTERMITTENT THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS, SOME AREAS ON BACK FACE ARE LOOSE AND OVER TRAFFIC
3318	Right Bridge Rail	Concrete Railir	ng
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	6	Span 2 Right Bridge Rail: PAR: (6) SPALLS AND DELAMINATED AREAS UP TO 8 INCHES HIGH X 5 INCHES WIDE X 0.5 INCHES DEEP WITH EXPOSED REBAR INTERMITTENT THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS, SOME AREAS ON BACK FACE ARE LOOSE AND OVER TRAFFIC - NCDOT NOTIFIED



Element Condition and Maintenance Data

Structure Number: 170176 Inspection Date: 04/04/2023

Span '	1	Deck						
Reinfo	orced Concrete	Deck						
Elemer Number	er	Element Name	Total Qty 2,052	CS1 Qty	CS2 Qty 1,638	CS3 Qty 414	CS4 Qty	quare Feet
Element					.,000		Maint	
Number	Defect Type	Defect Desc	ription		CS	CS Qty	Qty	
	racking (RC and ther)	MAP CRACKING UP TO 1/16 INC INTERMITTENT THROUGHOUT			3	410	410	Square Feet
12 Do	elamination/Spall	SOUND PATCH 2 FEET DIAMET NORTHBOUND LANE, APPROXI			3	1	1	Square Feet
7 12 Pa	atched Areas	SOUND PATCH 3 FEET WIDE X FEET FROM END BENT 1 IN SO			3	3	3	Square Feet
~	brasion/Wear PSC/RC)	MINOR ABRASION INTERMITTE DECK			2	398		Square Feet
√ 12 Cı	racking (RC and ther)	HAIRLINE MAP CRACKING INTE THROUGHOUT SIDEWALK ON L SIDE			2	273	342	Square Feet
	racking (RC and ther)	HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN UNDERSI BAY 1 ADJACENT TRANSITION	DE OF DECK IN		2	16	16	Square Feet
	racking (RC and ther)	MAP CRACKING UP TO 1/32 INC			2	565	1,211	Square Feet
/ 12 Do	elamination/Spall	APPROXIMATELY 100SQUARE I SCATTERED AREAS OF DELAM NORTHBOUND LANE			2	100	100	Square Feet
/ 12 Do	elamination/Spall	APPROXIMATELY 200 SQUARE SCATTERED AREAS OF DELAM NORTHBOUND LANE			2	200	200	Square Feet
7 12 Pa	atched Areas	2 FEET WIDE X 2 FEET LONG SOUTHBOUND LANE AT MIDSP.			2	4		Square Feet
√ 12 Pa	atched Areas	4.5 FEET X 4 FEET SOUND PATE SCATTERED CRACKING LOCAT END BENT 1 IN NORTHBOUND	CH WITH SEALED ED 16 FEET FROM		2	18		Square Feet
/ 12 Pa	atched Areas	SOUND PATCH 30 INCHES WIDI LONG 1 FEET FROM END BENT SOUTHBOUND LANE			2	4		Square Feet
√ 12 Pa	atched Areas	SOUND PATCHES UP TO 8 FEE SCATTERED THROUGHOUT BR			2	60		Square Feet

Spa	ın 1	Beam 1						
Rei	nforced Concrete	e Girder						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfo	rced Concrete Open Girder/Beam	55	42	13	0	0 Feet	
Elemen Numbe	Dofoct Type	Defect Description	on		CS	CS Qty	Maint Qty	
√ 110	Cracking (RC and Other)	(11) VERTICAL CRACKS UP TO 1/32 UP TO FULL-HEIGHT OF WEB SCAT THROUGHOUT BEAM 1			2	11	Feet	
√ 110	Delamination/Spall	3 INCHES LONG X 3 INCHES HIGH X DEEP SPALL ON BOTTOM RIGHT CO END, NO LOSS OF BEARING NOTED	ORNER AT FAR		2	1	1 Feet	

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1 Feet

✓ 110 Delamination/Spall

4 INCHES LONG X 3 INCHES WIDE X 1 1/2 INCHES DEEP SPALL ON BOTTOM RIGHT CORNER AT FAR END, NO LOSS OF BEARING NOTED

General Comments

Span 1 Reinford	ced Concrete	Beam 3 Girder						
Element Number 110	Reinfor	Element Name ced Concrete Open Girder/Beam	Total Qty 55	CS1 Qty 54	CS2 Qty	CS3 Qty 0	CS4 Qty 0 Feet	
Element Number 110 Dela	Defect Type amination/Spall	Defect Descripti 4 INCHES LONG X 3 INCHES HIGH X DEEP SPALL ON BOTTOM RIGHT C END, NO LOSS OF BEARING NOTEI	X 1 INCHES CORNER AT FAR		cs 2	CS Qty	Maint Qty 1 Feet	

General Comments

Spa	an 1	Beam 5						
Rei	nforced Concrete	Girder						
	ment mber Reinford	Element Name ced Concrete Open Girder/Beam	Total Qty 55	CS1 Qty 44	CS2 Qty 11	CS3 Qty 0	CS4 Qty 0 Feet	
Eleme Numbe	Dofoct Typo	Defect Description			cs	CS Qty	Maint Qty	
√ 110	Cracking (RC and Other)	3 FEET LONG DIAGONAL CRACKS UP INCHES WIDE LOCATED 6 FEET FROM 1			2	3	Feet	
✓ 110	Cracking (RC and Other)	VERTICAL CRACKS UP TO 1/32 INCHE TO FULL HEIGHT OF WEB INTERMITT THROUGHOUT	-		2	8	Feet	
	General Comments							

Spa	ın 1	Left Bridge R	ail						
Con	ncrete Railing								
	ment mber Reinfor	Element Name	Total Qty 57	CS1 Qty 48	CS2 Qty	CS3 Qty 9	CS4 Qty 0	Feet	
Elemen Numbe	Dofoot Typo	Defect Descrip	tion		cs	CS Qty	Maint Qty		
✓ 331	Delamination/Spall	(9) SPALLS UP TO 19 INCHES HIG WIDE X 0.5 INCHES DEEP WITH EX THROUGHOUT FRONT AND BACK BARRIER RAIL PEDESTALS	XPOSED REBAR		3	9		9 Feet	

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Spa	ın 1	Right Bridge F	Rail					
Cor	ncrete Railing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty		CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	57	31	5	21	0 Feet	
Elemen Numbe	Dofoct Typo	Defect Descripti	ion		cs	CS Qty	Maint Qty	
√ 331	Delamination/Spall	(21) SPALLS UP TO 12 INCHES HIGI WIDE X 0.5 INCHES DEEP WITH EX WITH THROUGHOUT FRONT AND E BARRIER RAIL PEDESTALS	POSED REBAR		3	21	21 Feet	
✓ 331	Cracking (RC and Other)	HAIRLINE MAP CRACKING AT TOP RAIL END POST AT END BENT 1	OF BARRIER		2	3	Feet	
√ 331	Exposed Rebar	SPALLS UP TO 4 INCHES HIGH X 3 X 1 INCHES DEEP WITH EXPOSED SECTION LOSS) INTERMITTENT TH BASE OF RAIL	REBAR (NO		2	2	2 Feet	
	General Comments							_

Spa	ın 1	Near Beari	ng					
Fixe	ed Bearing							
Nur	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	1	0	0	Each
515	Steel P	rotective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	CORROSION HAS INITIATED W MEASUREABLE SECTION LOSS THROUGHOUT			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL			3	1		1 Square Feet
	General Comments							

Spa	an 1	Far Bearing						
Oth	er Bearing							
	ment mber Other Bo	Element Name earings	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoct Type	Defect Descrip	tion		cs	CS Qty	Maint Qty	
√ 316	Corrosion	ACTIVE CORROSION WITH SECTION 1/8 INCHES ON FRONT EDGE ON IPLATE			3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING			4	1		1 Square Feet
	General Comments							

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Spa	ın 1	Near Bearing	9					
Fixe	ed Bearing							
	ment nber Fixed B	Element Name	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty	CS4 Qty	Each
515		rotective Coating	1	0	0	1	_	Square Feet
Elemen Numbe	Dofoot Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	CORROSION HAS INITIATED WIT MEASUREABLE SECTION LOSS I THROUGHOUT			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL			3	1		1 Square Feet
•	General Comments							

Sp <i>a</i> Oth	n 1 er Bearing	Far Bearin	g					
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoot Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
√ 316	Corrosion	ACTIVE CORROSION WITH UP SECTION LOSS ON BEARING V REMAINING			3	1	-	1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING			4	1		1 Square Feet
	General Comments							

Spa	an 1	Near Bearing						
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	1	0	0	Each
515	Steel Pr	rotective Coating	1	0	0	1	0	Square Feet
Elemer Numbe	Dofoct Type	Defect Description			cs	CS Qty	Maint Qty	
✓ 313	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS			2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL			3	1	•	1 Square Feet
	General Comments							

Spa	ın 1	Far Bearing						
Oth	er Bearing							
	ment 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 P	rotective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect Description	1		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS)		2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL			3	1		1 Square Feet
	General Comments							

Spa Fixe	n 1 ed Bearing	Near Bear	ing					
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	aring	1	0	1	0	0	Each
515	Steel Pro	tective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	CORROSION HAS INITIATED W MEASUREABLE SECTION LOS THROUGHOUT			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL			3	1		1 Square Feet

Spa	an 1	Far Bearing	l					
Oth	er Bearing							
	ment 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	rotective Coating	1	0	0	1	0	Square Feet
Elemer Numbe	Dofoot Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	CORROSION HAS INITIATED WI MEASUREABLE SECTION LOSS			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL			3	1	•	1 Square Feet
	General Comments		-					

Span 1		Near Bearing						
Fixed B	earing							
Element Number	Element Nam	e	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing		1	0	1	0	0	Each
515	Steel Protective Coating		1	0	0	1	0	Square Feet
ement umber	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

Structure I	Number: <u>170176</u>			Inspectio	n Date: 04/04/2023
✓ 313	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS INTERMITTENT THROUGHOUT	2	1	Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL	3	1	1 Square Feet

Spa	an 1	Far E	Bearing					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Othe	r Bearings	1	0	0	1	0	Each
515	Steel	Protective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoct Typo	Defe	ect Description		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	ACTIVE CORROSION W SECTION LOSS ON BEA		ES	3	1		1 Each
√ 515	Effectiveness (Stee Protective Coatings		RING		4	1		1 Square Feet
	General Comments							

Spa	an 2	Deck						
Rei	inforced Concrete	Deck						
	ement imber Reinfor	Element Name ced Concrete Deck	Total Qty 2,160	CS1 Qty 0	CS2 Qty 1,939	CS3 Qty 221	CS4 Qty 0 S	quare Feet
Eleme	Dafaat Tuna	Defect Description	on		cs	CS Qty	Maint Qty	
√ 12	Cracking (RC and Other)	MAP CRACKING UP TO 1/16 INCHES INTERMITTENT THROUGHOUT BRID			3	220	220	Square Feet
√ 12	Delamination/Spall	12 INCHES WIDE X 12 INCHES LONG DEEP SPALL WITH EXPOSED REBA ACTIVE CORROSION NO LOSS LOC UNDERSIDE OF LEFT OVERHANG 1 BENT 2	G X 1 INCHES R WITH ATED AT		3	1	1	Square Feet
√ 12	Abrasion/Wear (PSC/RC)				2	652		Square Feet
√ 12	Cracking (RC and Other)	HAIRLINE MAP CRACKING INTERM THROUGHOUT BRIDGE DECK	ITTENT		2	712	800	Square Feet
√ 12	Cracking (RC and Other)	MAP CRACKING UP TO 1/32 INCHES INTERMITTENT THROUGHOUT SIDE LEFT AND RIGHT SIDE			2	320	360	Square Feet
√ 12	Delamination/Spall	APPROXIMATELY 112 SQUARE FEE SCATTERED AREAS OF DELAMINAT SOUTHBOUND LANE			2	112	112	Square Feet
√ 12	Delamination/Spall	APPROXIMATELY 92 SQUARE FEET SCATTERED AREAS OF DELAMINAT NORTHBOUND LANE			2	92	92	Square Feet
√ 12	Patched Areas	(3) SOUND PATCHES NEAR CENTER APPROXIMATELY 7 FEET FROM BE			2	24		Square Feet
√ 12	Patched Areas	(4) SOUND PATCHES UP TO 3 FEET FEET LONG SCATTERED THROUGH DECK	WIDE X 2.5		2	22		Square Feet
√ 12	Patched Areas	6 INCHES WIDE X 1 FEET LONG SO ON UNDERSIDE OF DECK IN BAY 2	UND PATCH		2	1		Square Feet

√ 12

Patched Areas

SOUND PATCH 24 INCHES WIDE X 24 INCHES LONG IN SOUTHBOUND LANE 10 FEET FROM END BENT 2 -

2

4

Square Feet

General Comments

Eleme Numb	•••	Element Name	Total Qty	CS1 Qty	CS2 Qty		CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	60	47	5	8	0 F	eet
Element Number	Defect Type	Defect Description	1		cs	CS Qty	Maint Qty	
	Cracking (RC and Other)	AT BENT 1, UP TO 1/16 INCHES WIDE HORIZONTAL CRACK UP TO 3 FEET L FACE AT BOTTOM OF BEAM			3	3	3	Feet
/ 110 [Delamination/Spall	(2) IMPACT SPALLS UP TO 18 INCHES INCHES (BOTTOM FACE) X 4 INCHES INCHES DEEP AT BOTTOM LEFT CO BEAM 1 NEAR MIDSPAN	(WEB) X 1		3	4	4	Feet
<u>/</u> 110 [Delamination/Spall	4 INCHES LONG X 3 INCHES WIDE X DEEP SPALL ON BOTTOM RIGHT COI NEAR END, NO LOSS OF BEARING NO	RNER AT		3	1	1	Feet
	Cracking (RC and Other)	2 DIAGONAL AND 2 VERTICAL ISOLA UP TO 1/64 INCHES UP TO FULL-HEIG			2	4		Feet
√ 110	Delamination/Spall	20 INCHES HIGH X 1 FEET WIDE ARE DELAMINATION WITH UP TO 1/16 INC CRACKING ON FAR RIGHT SIDE OF B	HES WIDE		2	1	1	Feet

2 FOOT LONG X 6 INCH HIGH AREA OF DELAMINATION ON BAY 1 END DIAPHRAGM AT BENT 1

Spa	n 2	Beam 2						
Rei	nforced Concrete	e Girder						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfo	rced Concrete Open Girder/Beam	60	58	0	2	0 Feet	
Elemen Numbe	Dofoot Typo	Defect Descripti	ion		cs	CS Qty	Maint Qty	
√ 110	Delamination/Spall	IMPACT SPALL 15 INCHES LONG X (BOTTOM FACE) X 6 INCHES (WEB) DEEP AT BOTTOM CORNER OF BE MIDSPAN	X 3 INCHES		3	2	2 Feet	
	General Comments							-

Span Reinf	n 2 forced Concrete	Beam 3 Girder						
Eleme Numl	ber	Element Name ced Concrete Open Girder/Beam	Total Qty 60	CS1 Qty 58	CS2 Qty	CS3 Qty	CS4 Qty 0 Fe	eet
Element Number	Defect Type	Defect Descripti	on		cs	CS Qty	Maint Qty	
√ 110	Delamination/Spall	IMPACT SPALL 15 INCHES LONG X (BOTTOM FACE) X 6 INCHES (WEB) DEEP AT BOTTOM CORNER OF BE MIDSPAN	X 2 INCHES		3	2	2	Feet

General Comments

Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinfor	ced Concrete Open Girder/Beam	60	59	0	1	0 Feet
Element Number	Defect Type	Defect Descript	tion		cs	CS Qty	Maint Qty
] 110	Delamination/Spall	IMPACT SPALL 8 INCHES LONG X : (BOTTOM FACE) X 3 INCHES HIGH 1 1/4 INCHES DEEP ON BOTTOM C APPROXIMATELY MID-SPAN	(LEFT FACE) X		3	1	1 Fee

Coo	- O	Beam 5						
Spa								
Reir	nforced Concrete	Girder						
Elen Nun	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	60	44	13	3	0 F	eet
Elemen	Dofoot Typo	Defect Description	1		CS	CS Qty	Maint Qty	
/ 110	Cracking (RC and Other)	AT BENT 1, 30 INCHES HIGH VERTICA TO 1/8 INCHES WIDE EAST FACE	AL CRACK UP		3	1	1	Feet
<u>/</u> 110	Delamination/Spall	AT BENT 2 BEARING, 24 INCHES HIGH WIDE DELAMINATION ON RIGHT SIDI HIGH X 4 INCHES LONG ON LEFT SID EXTENDING 3 INCHES ACROSS THE I LOSS	E, 1 FEET E,		3	1	1	Feet
/ 110	Delamination/Spall	HIGH HIT SPALL NEAR MIDSPAN, 6 IN INCHES X 2 INCHES DEEP AT BOTTO			3	1	1	Feet
7 110	Cracking (RC and Other)	UP TO 3 FEET LONG LONGITUDINAL A VERTICAL HAIRLINE CRACKS AT FAR			2	3		Feet
<u>/</u> 110	Cracking (RC and Other)	VERTICAL CRACKS UP TO 1/32 INCHE TO FULL-HEIGHT OF WEB SCATTERE THROUGHOUT (12 TOTAL)			2	12		Feet
<u>/</u> 110	Delamination/Spall	4 INCHES LONG X 4 INCHES WIDE X 1 DEEP SPALL ON BOTTOM FACE OF B EXPOSED STEEL NO LOSS AT FAR BI	EAM WITH		2	1	1	Feet

•								
Spai	12	Left Bridge	Rail					
Con	crete Railing							
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	60	47	0	13	0 Fe	eet
Element Number	Dofoct Typo	Defect Descri	iption		cs	CS Qty	Maint Qty	
√ 331	Delamination/Spall	PAR: (13) SPALLS AND DELAMIN TO 2 FEET HIGH X 3 INCHES WIE DEEP WITH EXPOSED REBAR IN THROUGHOUT FRONT AND BAC BARRIER RAIL PEDESTALS, SON BACK FACE ARE LOOSE AND OV	DE X 3 INCHES ITERMITTENT IK FACE OF ME AREAS ON		3	13	13	Feet

General Comments

Span 2		Right Bridge Ra	ail								
Cor	Concrete Railing										
	ment mber Reinfor	Element Name ced Concrete Bridge Railing	Total Qty 60	CS1 Qty 53	CS2 Qty 1	CS3 Qty 6	CS4 Qty 0 Feet				
Elemer Numbe	Dofoct Type	Defect Descriptio	n		cs	CS Qty	Maint Qty				
√ 331	Delamination/Spall	PAR: (6) SPALLS AND DELAMINATED TO 8 INCHES HIGH X 5 INCHES WIDE INCHES DEEP WITH EXPOSED REBAINTERMITTENT THROUGHOUT FROM FACE OF BARRIER RAIL PEDESTALS AREAS ON BACK FACE ARE LOOSE TRAFFIC - NCDOT NOTIFIED	E X 0.5 AR NT AND BACK S, SOME		3	6	6 Feet				
✓ 331	Cracking (RC and Other)	1 FEET LONG HAIRLINE HORIZONTA INSIDE FACE OF PEDESTAL AT BEN			2	1	Feet				

General Cor	mments
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Spa	an 2	Near Bear	ring					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	Bearing	1	0	0	1	0	Each
515	Steel P	Protective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoct Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	ACTIVE CORROSION WITH 1/2 LOSS ON BEARING	16 INCHES SECTION		3	1	•	1 Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING			4	1		1 Square Feet
	General Comments							

Spa	an 2	Far Bearing						
Oth	ner Bearing							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemei Numbe	Dofoot Typo	Defect Descr	iption		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	ACTIVE CORROSION WITH 1/16 LOSS ON BEARING	INCHES SECTION		3	1		1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING			4	1		1 Square Feet
	Concret Comments							

							•	
Spa	n 2	Near Beari	ng					
Fixe	ed Bearing							
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	earing	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoct Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
✓ 313	Corrosion	CORROSION HAS INITIATED WI MEASUREABLE SECTION LOSS			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS, COR INITIATED WITH NO MEASUREA LOSS ON BEARING			3	1		1 Square Feet

General Comments

Spa	n 2	Far Bearin	g					
Oth	er Bearing							
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	1	0	0	Each
515	Steel Pro	otective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
√ 316	Corrosion	CORROSION HAS INITIATED W MEASUREABLE SECTION LOSS			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS, COF INITIATED WITH NO MEASURE/ LOSS ON BEARING			3	1		1 Square Feet
-	General Comments							

Spa Fixe	n 2 d Bearing	Near Beari	ng					
Elen Num	nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	∇ oob
313 515	Fixed Be Steel Pr	earing otective Coating	1	0	0	0 1	_	Each Square Feet
Elemen Number	Dofoct Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
/ 313	Corrosion	CORROSION HAS INITIATED W MEASUREABLE SECTION LOS			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS, COI INITIATED WITH NO MEASURE LOSS ON BEARING			3	1		1 Square Feet

Spa	ın 2	Far Beari	ng					
Oth	er Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect De	scription		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	CORROSION HAS INITIATED MEASUREABLE SECTION LOS			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING EFFECTIVENESS	G HAS LIMITED		3	1		1 Square Feet
•	General Comments							

Spa	ın 2	Near Bearing					
Fixe	ed Bearing						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Be	earing	1	0	1	0	0 Each
515	Steel Pro	otective Coating	1	0	0	1	0 Square Feet
Elemen	nt						Maint
Numbe	r Defect Type	Defect Descrip	tion		cs	CS Qty	Qty
Numbe √ 313	Corrosion	Defect Descrip CORROSION HAS INITIATED WITH MEASUREABLE SECTION LOSS O	I NO		CS 2	CS Qty	
	•	CORROSION HAS INITIATED WITH	I NO N BEARING OSION HAS			1 1	Qty

Spa	an 2	Far Beari	ng					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other	Bearings	1	0	1	0	0	Each
515	Steel	Protective Coating	1	0	0	1	0	Square Feet
Elemer Numbe	Dofoct Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	CORROSION HAS INITIATED N MEASUREABLE SECTION LOS			2	1		Each
√ 515	Effectiveness (Stee Protective Coatings		G HAS LIMITED		3	1	•	1 Square Feet
	General Comments							

Span 2		Near Bearing							
Fixed B	ed Bearing								
Element Number	Element Na	me	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty		
313	Fixed Bearing		1	0	0	1	0	Each	
515	Steel Protective Coating		1	0	0	0	1	Square Feet	
Element Number	Defect Type	Defect Description			cs	CS Qty	Maint Qty		

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✓ 313	Corrosion	ACTIVE CORROSION WITH UP TO 1/16 INCHES SECTION LOSS ON BEARING	3	1	1 Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1 Square Feet
	General Comments				

Spa	an 2	Far Be	aring					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoot Typo	Defect	Description		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	ACTIVE CORROSION WITH SECTION LOSS ON BEARI			3	1	•	I Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARI	NG		4	1	•	I Square Feet
	General Comments							

Spa	ın 3	Deck						
Rei	nforced Concrete	Deck						
	ment mber Reinford	Element Name ced Concrete Deck	Total Qty 2,160	CS1 Qty	CS2 Qty 1,724	CS3 Qty 436	CS4 Qty 0 S	quare Feet
Elemen Numbe	D-f4 T	Defect Description	1		cs	CS Qty	Maint Qty	
√ 12	Cracking (RC and Other)	MAP CRACKING UP TO 1/16 INCHES VINTERMITTENT THROUGHOUT BRIDG			3	435	435	Square Feet
√ 12	Delamination/Spall	SOUND PATCH TO FIXPREVIOUS PAR LONG X 14 INCHES WIDE IN NORTHB 2 FEET FROM BENT 3 JOINT			3	1	1	Square Feet
√ 12	Abrasion/Wear (PSC/RC)	MINOR ABRASION INTERMITTENT TH	ROUGHOUT		2	482		Square Feet
√ 12	Cracking (RC and Other)	MAP CRACKING UP TO 1/32 INCHES V INTERMITTENT SCATTERED THROUG BRIDGE DECK			2	496	669	Square Feet
√ 12	Cracking (RC and Other)	MAP CRACKING UP TO 1/32 INCHES V INTERMITTENT THROUGHOUT SIDEV LEFT AND RIGHT SIDE			2	267	360	Square Feet
√ 12	Delamination/Spall	APPROXIMATELY 190 SQUARE FEET SCATTERED AREAS OF DELAMINATION SOUTHBOUND LANE	-		2	190	190	Square Feet
12	Delamination/Spall	APPROXIMATELY 242 SQUARE FEET SCATTERED AREAS OF DELAMINATION NORTHBOUND LANE	-		2	242	242	Square Feet
√ 12	Patched Areas	(2) 12 INCHES WIDE X 12 INCHES LON PATCHES 8 FEET FROM BENT 3 NEAR CENTERLINE OF BRIDGE			2	2		Square Feet
12	Patched Areas	4 FEET WIDE X 2 FEET LONG SOUND LOCATED 10 FEET FROM BENT 3 IN T NORTHBOUND TRAVEL LANE	-		2	8		Square Feet
V 12	Patched Areas	4.5 FEET WIDE X 7 FEET LONG SOUN WITH INTERMITTENT SEALED CRACK SOUTHBOUND TRAVEL LANE NEAR E	(ING IN		2	32		Square Feet

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12	Patched Areas	SOUND PATCH 12 INCHES WIDE X 10 INCHES LONG 15 FEET FROM BENT 3 IN CENTERLINE OF ROAD	2	2	Square Feet
√ 12	Patched Areas	SOUND PATCH 12 INCHES WIDE X 12 INCHES LONG 10 FEET FROM BENT 3 AT CENTERLINE OF BRIDGE	2	1	Square Feet
√ 12	Patched Areas General Comments	SOUND PATCH TO FIX PREVIOUS PAR 18 INCHES DIAMETER LOCATED 6 FEET FROM BENT 2 IN THE NORTHBOUND TRAVEL LANE	2	2	Square Feet
	General Comments				

Spa	an 3	Beam 1						
Rei	nforced Cond	crete Girder						
	ment mber R	Element Name einforced Concrete Open Girder/Beam	Total Qty 60	CS1 Qty 58	CS2 Qty 2	CS3 Qty 0	CS4 Qty 0 I	Feet
Elemer Numbe	Dofoct Tv	pe Defect Des	scription		cs	CS Qty	Maint Qty	
√ 110	Cracking (RC a Other)	nd ISOLATED VERTICAL CRACKS WIDE UP TO FULL HEIGHT OF (2 TOTAL)			2	2		Feet
	General Commo	ents						

Spa	an 3		Beam 4						
Rei	inford	ced Concrete	Girder						
	ement Imber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110		Reinfor	ced Concrete Open Girder/Beam	60	59	1	0	0	Feet
Eleme Numbe		Defect Type	Defect Descripti	on		cs	CS Qty	Maint Qty	
√ 110	Dela	amination/Spall	AT BENT 3, 2 FEET HIGH X 6 INCHE DELAMINATED AREA ON LEFT SIDE			2	1	1	Feet
	Gene	ral Comments							

Spa	n 3	Beam 5						
Reir	nforced Concrete	Girder						
Elen Nun		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	60	58	2	0	0 1	Feet
Elemen Numbe	Defect Type	Defect Descrip	tion		CS	CS Qty	Maint Qty	
√ 110	Cracking (RC and Other)	ISOLATED VERTICAL CRACKS UP WIDE UP TO FULL-HEIGHT OF WE (2 TOTAL)			2	2		Feet

Spa	ın 3	Left Bridge Rail						
Cor	ncrete Railing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	60	38	22	0	0 Feet	
Elemer Numbe	Dofoct Typo	Defect Description	1		cs	CS Qty	Maint Qty	
√ 331	Exposed Rebar	SPALLS UP TO 12 INCHES HIGH X 3 IF X 1 INCHES DEEP WITH EXPOSED RI INTERMITTENT THROUGHOUT FRON FACE OF BARRIER RAIL PEDESTALS	EBAR T AND BACK		2	14	14 Feet	
✓ 331	Exposed Rebar	SPALLS UP TO 4 INCHES HIGH X 3 IN X 1 INCHES DEEP WITH EXPOSED RE INTERMITTENT THROUGHOUT BASE TOTAL)	BAR		2	8	8 Feet	
	0							_

General Comments

Spa	an 3	Right Bridge Rail						
Coi	ncrete Railing							
Nu	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	60	25	34	1	0 Feet	
Elemei Numbe	Dofoot Typo	Defect Description			cs	CS Qty	Maint Qty	
√ 331	Delamination/Spall	SPALL 9 INCH X 6 INCH X 3/4 INCH DEE INSIDE FACE OF END POSTS AT PIER 3 BOTTOM			3	1	1 Feet	
✓ 331	Cracking (RC and Other)	1 FEET LONG HAIRLINE HORIZONTAL (INSIDE FACE OF RAIL END POST AT BI			2	1	Feet	
√ 331	Exposed Rebar	SPALLS UP TO 4 INCHES HIGH X 3 INC X 1 INCHES DEEP WITH EXPOSED REE INTERMITTENT THROUGHOUT BASE C TOTAL)	BAR		2	21	21 Feet	
✓ 331	Exposed Rebar	SPALLS UP TO 6 INCHES HIGH X 1 INC X 0.5 INCHES DEEP WITH EXPOSED REBARTHROUGHOUT FRONT AND BAC BARRIER RAIL PEDESTALS (12 TOTAL)	CK FACE OF		2	12	12 Feet	
	General Comments							

Span 3 Near Bearing Fixed Bearing

1 170	o bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	earing	1	0	0	1	0	Each
515	Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Defeat Tyme	Defect Descrip	tion		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	ACTIVE CORROSION WITH 1/8 INC LOSS ON BEARING WITH 95 PERC REMAINING			3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING			4	1		1 Square Feet

Spa	n 3	Far Bearing						
Oth	er Bearing							
	nent nber Other B	Element Name	Total Qty	CS1 Qty 0	CS2 Qty	CS3 Qty	CS4 Qty	
515		otective Coating	1	0	0	0		Square Feet
Elemen Numbe	Defect Type	Defect Description	on		cs	CS Qty	Maint Qty	
√ 316	Corrosion	ACTIVE CORROSION WITH 1/8 INCH LOSS ON BEARING WITH 95 PERCE REMAINING			3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING			4	1		1 Square Feet
-	General Comments							

Spa	an 3	Near Bearin	ng					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	Bearing	1	0	1	0	0	Each
515	Steel F	Protective Coating	1	0	0	1	0	Square Feet
Elemer Numbe	Dofoot Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	CORROSION HAS INITIATED WI MEASUREABLE SECTION LOSS			2	1	-	Each
√ 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING I EFFECTIVENESS	HAS LIMITED		3	1		1 Square Feet
	General Comments							

Spa	an 3	Far Bearii	ng					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	1	0	0	Each
515	Steel Pro	otective Coating	1	0	0	1	0	Square Feet
Elemer Numbe	Dofoot Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
√ 316	Corrosion	CORROSION HAS INITIATED WEASUREABLE SECTION LOS	-		2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING EFFECTIVENESS	G HAS LIMITED		3	1	1	I Square Feet
	Camanal Camananta							

Spa	ın 3	Near Be	aring					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect D	Description		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	CORROSION HAS INITIATED MEASUREABLE SECTION LO			2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATI EFFECTIVENESS	NG HAS LIMITED		3	1		1 Square Feet
	General Comments							

Spai	n 3	Far Bearing						
Othe	er Bearing							
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	1	0	0	Each
515	Steel Pro	otective Coating	1	0	0	1	0	Square Feet
Element Number	Dofoct Typo	Defect Desci	ription		cs	CS Qty	Maint Qty	
√ 316	Corrosion	CORROSION HAS INITIATED WI'MEASUREABLE SECTION LOSS			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING FEFFECTIVENESS	HAS LIMITED		3	1		1 Square Feet
(General Comments							

Spa	ın 3	Near Be	earing					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	earing	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Defect Type	Defect	Description		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	CORROSION HAS INITIATE MEASUREABLE SECTION L	_		2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COAT EFFECTIVENESS	ING HAS LIMITED		3	1	•	1 Square Feet
•	General Comments							

Span 3		Far Bearing						
Other B	earing							
Element Number	Element I	Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings		1	0	0	1	-	Each
515	Steel Protective Coating	9	1	0	0	0	1	Square Feet
lement lumber	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

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√ 316	Corrosion	ACTIVE CORROSION WITH 1/8 INCHES SECTION LOSS ON BEARING WITH 95 PERCENT REMAINING	3	1	1 Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1 Square Feet

Spa	an 3	Near Bear	ing					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	Bearing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoot Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	ACTIVE CORROSION WITH 1/1 LOSS ON BEARING	16 INCHES SECTION		3	1	•	1 Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING			4	1		1 Square Feet
	General Comments							

Spa	ın 3	Far Bearing						
Oth	er Bearing							
	ment nber Other B	Element Name earings	Total Qty 1	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Each
515	Steel Pr	rotective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	ACTIVE CORROSION WITH 1/8 IN LOSS ON BEARING WITH 95 PER REMAINING			3	1	·	1 Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING			4	1		1 Square Feet

Spa	ın 4	Deck						
Reir	nforced Concrete	Deck						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinford	ced Concrete Deck	2,052	1	1,991	60	0 S	quare Feet
Elemen Numbe	Dofoot Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
√ 12	Cracking (RC and Other)	UP TO 1/8 INCH WIDE TRANSVER VARIOUS LOCATIONS IN TOP OF			3	60	60	Square Feet
√ 12	Cracking (RC and Other)	HAIRLINE MAP CRACKING INTER THROUGHOUT BRIDGE DECK	MITTENT		2	1,093	1,093	Square Feet
12	Cracking (RC and Other)	MAP CRACKING UP TO 1/32 INCHINTERMITTENT THROUGHOUT S LEFT AND RIGHT SIDE			2	342	342	Square Feet
√ 12	Cracking (RC and Other)	MAP CRACKING UP TO 1/32 INCH SCATTERED THROUGHOUT BRID			2	309	310	Square Feet

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√ 12	Delamination/Spall	3 INCHES DIAMETER SPALL X 3/4 INCHES DEEP WITH EXPOSED REBAR NO LOSS LOCATED IN LEFT OVERHANG (UNDERSIDE OF DECK) 7 FEET FROM BENT 3	2	1	1 Square Feet
√ 12	Patched Areas	NUMEROUS SOUND PATCHES UP TO 6 FEET X 3.5 FEET SCATTERED THROUGHOUT BRIDGE DECK (21 TOTAL)	2	180	Square Feet
√ 12	Patched Areas	1 FEET DIAMETER SOUND PATCH ADJACENT TO 4.5 FEET X 3 FEET SOUND PATCH	2	1	Square Feet
√ 12	Patched Areas	SEVERAL SOUND DECK PATCHES UP TO 4.5 FEET X 3 FEET WITH CRACKING UP TO 1/32 INCHES WIDE	2	60	Square Feet
√ 12	Patched Areas	SOUND PATCH 18 INCHES WIDE X 15 INCHES LONG 35 FEET FROM BENT 3	2	2	Square Feet
√ 12	Patched Areas	SOUND PATCH 2 FEET WIDE X 15 INCHES LONG LOCATED 20 FEET FROM BENT 3 IN NORTHBOUND TRAVEL LANE	2	3	Square Feet
	General Comments				

Spa Reir	n 4 nforced Concrete	Beam 1 Girder						
	nent nber Reinford	Element Name red Concrete Open Girder/Beam	Total Qty 55	CS1 Qty 47	CS2 Qty 8	CS3 Qty 0	CS4 Qty 0	Feet
Elemen Numbe	Dofoot Typo	Defect Descripti	ion		cs	CS Qty	Maint Qty	·
√ 110	Cracking (RC and Other)	VERTICAL CRACKS UP TO 1/32 INC FULL HEIGHT OF WEB SCATTERED (8 TOTAL)			2	8	·	Feet

General Comments

Spa	n 4	Beam 3						
Reir	nforced Concrete	Girder						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	55	54	1	0	0 Feet	
Elemen Numbe	Defeat Tyme	Defect Description	on		cs	CS Qty	Maint Qty	
√ 110	Delamination/Spall	AT BENT 3, DELAMINATION / SPALL HIGH X 4 INCHES WIDE ON END OF CORNER			2	1	1 Feet	

Span 4		Beam 4					
Reinfor	ced Concrete Girder						
Element Number	Elem	ent Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concre	te Open Girder/Beam	55	53	2	0	0 Feet
ement mber	Defect Type	Defect Descrip	tion		cs	CS Qty	Maint Qtv

Structure	Number: <u>170176</u>			Inspection	n Date: 04/04/2023
√ 110	Cracking (RC and Other)	20 INCHES HIGH X 5 INCHES WIDE AREA OF DELAMINATION WITH UP TO 1/8 INCHES WIDE CRACKING ON RIGHT SIDE OF BEAM AT NEAR END	2	1	Feet
√ 110	Delamination/Spall	AT BENT 3, 6 INCHES WIDE X 24 INCHES LONG DELAMINATION WITH CRACKING UP 3/32 INCHES WIDE ON LEFT SIDE AT END OF BEAM 4	2	1	1 Feet
	General Comments				

า 4	Beam 5						
forced Concrete	Girder						
nent iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	.
Reinfor	ced Concrete Open Girder/Beam	55	44	11	0	0	Feet
Defect Type	Defect Descript	ion		cs	CS Qty	Maint Qty	
Cracking (RC and Other)	TO FULL HEIGHT OF WEB SCATTE			2	11		Feet
1	forced Concrete nent ber Reinfor Defect Type Cracking (RC and	forced Concrete Girder nent ber Element Name Reinforced Concrete Open Girder/Beam Defect Type Defect Descript Cracking (RC and VERTICAL CRACKS UP TO 1/32 INC	forced Concrete Girder Tent ber Element Name Qty Reinforced Concrete Open Girder/Beam 55 Defect Type Defect Description Cracking (RC and Other) VERTICAL CRACKS UP TO 1/32 INCHES WIDE UP TO FULL HEIGHT OF WEB SCATTERED	forced Concrete Girder Total CS1 ber Element Name Qty Qty Reinforced Concrete Open Girder/Beam 55 44 Defect Type Defect Description Cracking (RC and Other) VERTICAL CRACKS UP TO 1/32 INCHES WIDE UP TO FULL HEIGHT OF WEB SCATTERED	Forced Concrete Girder Forced Concrete Girder Forced Concrete Girder Forced Concrete Open Girder/Beam Forced Co	forced Concrete Girder tent Element Name Qty Qty Qty Qty Qty Qty Reinforced Concrete Open Girder/Beam 55 44 11 0 Defect Type Defect Description CS CS Qty Cracking (RC and VERTICAL CRACKS UP TO 1/32 INCHES WIDE UP TO FULL HEIGHT OF WEB SCATTERED	forced Concrete Girder Total CS1 CS2 CS3 CS4 ber Element Name Qty Qty Qty Qty Qty Qty Qty Reinforced Concrete Open Girder/Beam 55 44 11 0 0 Defect Type Defect Description CS CS Qty Qty Cracking (RC and VERTICAL CRACKS UP TO 1/32 INCHES WIDE UP TO FULL HEIGHT OF WEB SCATTERED

Sp	an 4	Left Bridge Rail						
Co	ncrete Railing							
	ement Imber Reinfor	Element Name ced Concrete Bridge Railing	Total Qty 57	CS1 Qty 31	CS2 Qty 26	CS3 Qty 0	CS4 Qty 0 F	eet
Eleme Numb	Dofoot Typo	Defect Description	า		CS	CS Qty	Maint Qty	
✓ 331	Cracking (RC and Other)	1 FEET LONG HAIRLINE TRANSVERS TOP FACE OF PEDESTAL AT BENT 3	E CRACK AT		2	1		Feet
√ 331	Exposed Rebar	SPALLS UP TO 15 INCHES HIGH X 4 II X 0.5 INCHES DEEP WITH EXPOSED INTERMITTENT THROUGHOUT RAIL F TOTAL)	REBAR		2	25	25	Feet
	General Comments							

Spa	an 4	Right Bridge R	Rail					
Cor	ncrete Railing							
	ment mber Reinfor	Element Name rced Concrete Bridge Railing	Total Qty 57	CS1 Qty 34	CS2 Qty 23	CS3 Qty 0	CS4 Qty 0 Fe	eet
Elemer Numbe	Dofoct Typo	Defect Descripti	on		cs	CS Qty	Maint Qty	,
✓ 331	Cracking (RC and Other)	HAIRLINE MAP CRACKING INTERMI OF RAIL END POST AT END BENT 2			2	2		Feet
√ 331	Exposed Rebar	SPALLS UP TO 10 INCHES WIDE X 1 HIGH X 2 INCHES DEEP WITH EXPO INTERMITTENT THROUGHOUT FRO FACE OF BARRIER RAIL PEDESTAL	OSED REBAR ONT AND BACK		2	16	16	Feet
✓ 331	Exposed Rebar	SPALLS UP TO 4 INCHES WIDE X 3 X 1 INCHES DEEP WITH EXPOSED SCATTERED THROUGHOUT BASE (TOTAL)	REBAR		2	5	5	Feet

Spa	ın 4	Near Bearing	9					
Oth	er Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	searings	1	0	1	0	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoct Type	Defect Descri	ption		cs	CS Qty	Maint Qty	
√ 316	Corrosion	ACTIVE CORROSION WITH 1/8 IN LOSS ON BEARING WITH 95 PER REMAINING			2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING			4	1		1 Square Feet
	General Comments							

Spa	n 4	Far Bearing					
Fixe	ed Bearing						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed B	earing	1	0	1	0	0 Each
515	Steel P	otective Coating	1	0	0	0	1 Square Feet
Elemer	nt Defect Tyme					22.21	Maint
Nullibe	Pr Defect Type	Defect Description	on		CS	CS Qty	Qty
√ 313	Corrosion	Defect Description ACTIVE CORROSION WITH 1/8 INCH LOSS ON BEARING WITH 95 PERCE REMAINING	ES SECTION		CS 2	CS Qty	Qty Each
	••	ACTIVE CORROSION WITH 1/8 INCH LOSS ON BEARING WITH 95 PERCE	ES SECTION			1 1	•

Spa	an 4	Near Be	earing					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bo	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	0	1	0	Square Feet
Elemer Numbe	Dofoct Type	Defect I	Description		cs	CS Qty	Maint Qty	
√ 316	Corrosion	CORROSION HAS INITIATED MEASUREABLE SECTION L			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATS EFFECTIVENESS	NG HAS LIMITED		3	1	•	1 Square Feet
	General Comments							

Spa	ın 4	Far Bear	ing					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	1	0	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoot Typo	Defect De	escription		CS	CS Qty	Maint Qty	
✓ 313	Corrosion	ACTIVE CORROSION WITH L SECTION LOSS ON BEARING			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	3		4	1		1 Square Feet
	General Comments							

Spa	ın 4	Near E	Bearing					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoct Typo	Defec	t Description		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	CORROSION HAS INITIAT MEASUREABLE SECTION			2	1		Each
✓ 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COA EFFECTIVENESS	TING HAS LIMITED		3	1		1 Square Feet
	General Comments							

Spa	an 4			Far Bearing						
Fixe	ed Bearing									
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313		Fixed Bea	ring		1	0	0	1	0	Each
515		Steel Prot	ective Coating		1	0	0	0	1	Square Feet
Elemer Numbe	Dofoot	Туре		Defect Description			cs	CS Qty	Maint Qty	
✓ 313	Corrosion		ACTIVE CORROSI SECTION LOSS O	ON WITH UP TO 1/16 N BEARING	INCHES		3	1	1	Each
√ 515	Effectiveness Protective Co		PAINT FAILURE O	N BEARING			4	1	1	Square Feet
	General Com	ments								

Span 4		Near Bearing						
Other B	earing							
Element Number	Element N	Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings		1	0	0	1	-	
515	Steel Protective Coating)	1	0	0	0	1	Square Feet
lement lumber	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

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✓ 316	Corrosion	ACTIVE CORROSION WITH 1/8 INCHES SECTION LOSS ON BEARING WITH 95 PERCENT REMAINING	3	1	1 Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1 Square Feet

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General	Comments

Spa	n 4	Far Be	earing					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	Bearing	1	0	1	0	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoct Typo	Defec	t Description		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	ACTIVE CORROSION WIT SECTION LOSS ON BEAR			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEAR	ING		4	1		1 Square Feet
	General Comments							

Spa	ın 4	Near Bearing						
Oth	er Bearing							
	ment nber Other	Element Name Bearings	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty 1	CS4 Qty	
515		Protective Coating	1	0	0	0	_	Square Feet
Elemen Numbe	Defect Type	Defect Descrip	tion		cs	CS Qty	Maint Qty	
✓ 316	Corrosion	ACTIVE CORROSION WITH 1/8 INC LOSS ON OUTSIDE HALF OF BEAF PERCENT REMAINING			3	1	-	1 Each
√ 515	Effectiveness (Steel Protective Coatings)				4	1		1 Square Feet
	General Comments							

Spa	n 4	Far Bearing						
Fixe	ed Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed	Bearing	1	0	1	0	0 1	Each
515	Steel F	Protective Coating	1	0	0	0	1 :	Square Feet
Elemen Numbe	Dofoct Type	Defect Descrip	otion		cs	CS Qty	Maint Qty	
√ 313	Corrosion	ACTIVE CORROSION WITH 1/8 IN LOSS ON BEARING WITH 95 PER REMAINING			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)				4	1	1	Square Feet
	General Comments							

Bei	nt 1	Cap 1						
Rei	inforced Concrete	Pier Cap						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty		CS4 Qty	
234	Reinford	ced Concrete Pier Cap	39	36	1	2	0 F	eet
Eleme Numbe	Dofoct Typo	Defect Descriptio	n		cs	CS Qty	Maint Qty	
✓ 234	Delamination/Spall	20 INCHES HIGH X 20 INCHES WIDE DEEP SPALL WITH EXPOSED REBAR ACTIVE CORROSION NO LOSS ON N BAY 1	RWITH		3	2	4	Feet
√ 234	Delamination/Spall	5 INCHES DIAMETER DELAMINATED FAR SIDE UNDER BEAM 2	AREA ON		2	1	1	Feet
	General Comments							

Ben	nt 1	Pile 1						
Rei	nforced Concrete	Column						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	1	0	0 Each	
Elemen Numbe	Dofoct Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
✓ 205	Cracking (RC and Other)	6 FEET LONG HAIRLINE VERT FAR FACE OF COLUMN 1 AT N			2	1	Each	

General Comments

Ber	nt 1	Pile 3						
Rei	nforced Concrete	Column						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinford	ced Concrete Column	1	1	0	0	0 Each	
Elemer Numbe	Defect Type	Defect Des	scription		cs	CS Qty	Maint Qty	
✓ 205	Cracking (RC and Other)	4 FEET LONG VERTICAL HAIR SOUTH FACE OF PILE	LINE CRACK ON		1	1	Each	
	General Comments							_

End	d Bent 1	Abutment						
Rei	nforced Concrete	Abutment						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinfo	ced Concrete Abutment	50	47	3	0	0 Feet	
Elemer Numbe	Dofoot Typo	Defect Descr	ription		cs	CS Qty	Maint Qty	
✓ 215	Cracking (RC and Other)	(3) ISOLATED 18" LONG HAIRLIN CRACKS IN BACKWALL AT BAY			2	3	Feet	t

Bei	nt 2	Cap 1						
Rei	nforced Concrete	Pier Cap						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinford	ed Concrete Pier Cap	40	10	7	23	0 Feet	
Eleme Numbe	Defect Tyres	Defect Descript	ion		cs	CS Qty	Maint Qty	
√ 234	Cracking (RC and Other)	(2) 18 INCHES LONG HORIZONTAL 1/16 INCHES WIDE AT BOTTOM O UNDER BEAM 2			3	4	4 Feet	
√ 234	Cracking (RC and Other)	2 FEET LONG HORIZONTAL CRAC WIDE ON NEAR FACE IN BAY 2	K 1/16 INCHES		3	2	2 Feet	
✓ 234	Cracking (RC and Other)	3 FEET LONG HORIZONTAL CRACI			3	3	3 Feet	
√ 234	Delamination/Spall	2 FOOT-6 INCHES HIGH X 1 FOOT- X 1 1/4 INCHES DEEP SPALL WITH REBAR/AREA OF DELAMINATION V CORROSION NO LOSS ON NEAR F BEAM 3	EXPOSED VITH ACTIVE		3	3	2 Feet	
✓ 234	Delamination/Spall	4 FEET LONG X 10 INCHES HIGH D TOP OF FAR FACE WITH UP TO 1/8 CRACKING UNDER BAY 2			3	4	4 Feet	
√ 234	Delamination/Spall	4 FOOT-8 INCHES LONG X1 FOOT- HIGH X 1 1/2 INCHES DEEP SPALL EXPOSED REBAR/AREA OF DELAN ACTIVE CORROSION NO LOSS ON BAY 4	WITH MINATION WITH		3	5	5 Feet	
✓ 234	Patched Area	FAILED PATCHED AREA THAT IS 2 DIAMETER X UP TO 3/4 INCHES DE FACE UNDER BAY 4			3	2	2 Feet	
✓ 234	Cracking (RC and Other)	MAP CRACKING UP TO 1/32 INCHE FACE BELOW BEAM 4 FOR 2 FEET CAP			2	2	Feet	
✓ 234	Cracking (RC and Other)	MAP CRACKING UP TO 1/32 INCHE OF FAR FACE UNDER BAY 1 FOR A FEET			2	2	Feet	
✓ 234	Delamination/Spall	2 FOOT-6 INCHES HIGH X 2 FOOT- AREA OF DELAMINATION ON FAR BELOW BEAM 4			2	3	3 Feet	
	General Comments							_

Ben	nt 2	Pile 1						
Rei	nforced Concrete	Column						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	1	0 Each	
Elemen Numbe	Dofoot Typo	Defect D	Description		cs	CS Qty	Maint Qty	
√ 205	Delamination/Spall	3 SPALLS UP TO 12 INCHES INCHES AT NEAR LEFT COP COLUMN 1			3	1	3 Ead	ch
	General Comments							

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End	Bent 2	Cap 1						
Reir	nforced Concrete	Pier Cap						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	53	30	4	19	0 F	eet
Elemen Numbe	Dofoot Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
√ 234	Cracking (RC and Other)	18 INCHES LONG HORIZONTAL CR INCHES WIDE ON FACE OF CAP U AND 2 FEET LONG HORIZONTAL C 1/16 INCHES WIDE ON BAY 4 FACE	NDER BEAM 4 RACK UP TO		3	4	4	Feet
✓ 234	Cracking (RC and Other)	4 FEET LONG HORIZONTAL CRACK INCHES WIDE ON BAY 1 FACE OF 0			3	4	4	Feet
✓ 234	Cracking (RC and Other)	4 FEET LONG HORIZONTAL CRACK INCHES WIDE ON FACE OF CAP UN			3	4	4	Feet
✓ 234	Cracking (RC and Other)	78 INCHES LONG HORIZONTAL CR INCHES WIDE ON BAY 3 FACE OF (3	7	7	Feet
✓ 234	Delamination/Spall	38 INCHES LONG 1/16 INCH WIDE (FACE OF CAP UNDER BEAM 2 INTO			2	4	4	Feet
-	General Comments							

Bent	t 3	Cap 1					
	forced Concrete	•					
Elem Num 234	nent	CS1 Qty 26	CS2 Qty 6	CS3 Qty	CS4 Qty 0 Feet		
Element Number	Dafaat Tuna	Defect Descri	ription		cs	CS Qty	Maint Qty
√ 234	Cracking (RC and Other)	MAP CRACKING UP TO 1/16 INC BOTTOM OF NEAR FACE OF CA FOR 1 FEET LENGTH			3	1	1 Feet
√ 234	Delamination/Spall	18 INCHES HIGH X 8 INCHES WI DEEP SPALL WITH EXPOSED RI ACTIVE CORROSION NO LOSS V LONG HORIZONTAL CRACK UP WIDE ON NEAR FACE OF CAP U	EBAR WITH WITH A 3 FEET TO 1/16 INCHES		3	3	3 Feet
√ 234	Delamination/Spall	3 FEET-6 INCHES LONG X 9 INC DELAMINATION, 6 INCHES DIAM DEEP SPALL WITH EXPOSED RI ACTIVE CORROSION NO LOSS A HIGH X 1 INCHES WIDE X 3/4 IN SPALL WITH EXPOSED REBAR N CORROSION NO LOSS ON NEAR BEAM 3	IETER X 1 INCHES EBAR WITH AND 5 INCHES CHES DEEP WITH ACTIVE		3	4	5 Feet
√ 234	Cracking (RC and Other)	8 INCHES HIGH X 2 INCHES WID DELAMINATION WITH A 2 FEET CRACK UP TO 1/32 INCHES WID OF CAP UNDER BEAM 1	LONG VERTICAL		2	1	Feet
✓ 234	Cracking (RC and Other)	HAIRLINE MAP CRACKING ON N BAY 1 FOR 2 FEET LENGTH	IEAR FACE UNDER		2	2	Feet
✓ 234	Delamination/Spall	12 INCHES X 6 INCHES DELAMII FACE OF CAP UNDER BEAM 5	NATION ON NEAR		2	1	1 Feet
✓ 234	Delamination/Spall	16 INCHES LONG X 6 FEET HIGH DELAMINATION WITH CRACKING INCHES WIDE ON BOTTOM OF C EXTENDING UP FAR FACE UND	G UP TO 0.0625 CAP AND		2	1	1 Feet
√ 234	Delamination/Spall	9 INCHES DIAMETER DELAMINA FAR FACE UNDER BEAM 1	ATED AREA ON		2	1	1 Feet

General Comments

Bent 3 Reinfor	ced Concrete	Pile 1 Column						
Element Number 205		Element Name ced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0 E	Each
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
✓ 205 Del	lamination/Spall	6 INCHES X 3 INCHES X 1/2 INCHES DEEP SPALL WITH NO AT NEAR LEFT CORNER OF COLUMN 1 (BASE OF COLUMN)			2	1	1	Each

General Comments

Ber	nt 3	Pile 3	Pile 3					
Rei	nforced Concrete	Column						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	205 Reinforced Concrete Colu		1	0	0	1	0	Each
Elemer Numbe	Dofoot Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
✓ 205	Cracking (RC and Other)	FULL-HEIGHT VERTICAL CRACK UP TO 1/16 INCHES WIDE ON NEAR FACE OF COLUMN			3	1	12	? Each
✓ 205	Cracking (RC and Other)	HAIRLINE FULL-HEIGHT VERTICAL CRACK ON FAR FACE OF COLUMN			2			Each

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2052
Span 1	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 1	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 1	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 1	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 1	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	DELINEATOR 1,SW	Delineator	Warning Signs	1
Span 1	DELINEATOR 2,SE	Delineator	Warning Signs	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2160
Span 2	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 2	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 2	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 2	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 2	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	60
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	60
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2160
Span 3	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 3	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 3	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 3	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 3	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	60

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	60
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2052
Span 4	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 4	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 4	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 4	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 4	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 4	Expansion Joint	Standard Joint	Pourable Joint Seal	31
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	DELINEATOR 3,NW	Delineator	Warning Signs	1
Span 4	DELINEATOR 4,NE	Delineator	Warning Signs	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	39
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	53
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	50
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	40
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	53
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	50
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	40

Elements Verfied

Location	Name	Component	Element Name	Amount
Bent 3	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1

General Inspection Notes

Span 1	Expansion Joint	
JOINT NOT	VISIBLE, COVERED WITH TAR	
Span 2	Expansion Joint	
JOINT NOT VI	SIBLE, COVERED WITH TAR	
Span 3	Expansion Joint	
JOINT NOT \	ISIBLE, COVERED WITH TAR	
Span 4	Expansion Joint	
JOINT NOT	VISIBLE, COVERED WITH TAR	
Span 4	Expansion Joint	

JOINT NOT VISIBLE, COVERED WITH TAR

National Bridge and NC Inspection Items

Structure Number: 170176 Inspection Date: 04/04/2023

National Bridge Inventory Items

Item	Grade Scale	Grade	
Item 58: Deck	0 - 9 , N	5	Note:
Item 59: Superstructure	0 - 9 , N	6	Items 58,59,60,62 reflect this
Item 60: Substructure	0 - 9 , N	6	inspection only.
Item 61: Channel and Channel Protection	0 - 9 , N	N	For overall NBI coding grade, see cover sheet.
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

ltem	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	G	0	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		0	3366
Fender System	G, F, P, or C		0	3364
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	Υ
Inspection Time	Hours	7
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Υ
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N
Portion of Structure in > 3' of water	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 170176 Inspection Date: 04/04/2023

Item General Comments and Misc Items Grade Maint Code Qty. 0

Details SOUTHWEST GUARDRAIL IMPACT DAMAGE 15 FEET LONG 20 FEET FROM TERMINAL END



SOUTHWEST GUARDRAIL IMPACT DAMAGE 15 FEET LONG 20 FEET FROM TERMINAL END



Span 4 Deck: SEVERAL SOUND DECK PATCHES UP TO 4.5 FEET X 3 FEET WITH CRACKING UP TO 1/32 INCHES WIDE



TYPICAL SOUND PATCHED AREAS IN SPAN 4 DECK



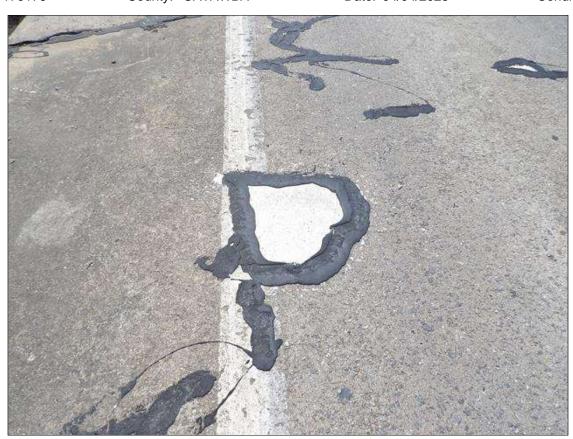
Span 4 Deck: UP TO 1/8 INCH WIDE TRANSVERSE CRACKS AT VARIOUS LOCATIONS IN TOP OF DECK



Span 3 Deck: SOUND PATCH TO FIXPREVIOUS PAR 18 INCHES LONG X 14 INCHES WIDE IN NORTHBOUND LANE 2 FEET FROM BENT 3 JOINT



Span 3 Deck: 4.5 FEET WIDE X 7 FEET LONG SOUND PATCH WITH INTERMITTENT SEALED CRACKING IN SOUTHBOUND TRAVEL LANE NEAR BENT 2



Span 3 Deck: SOUND PATCH TO FIX PREVIOUS PAR 18 INCHES DIAMETER LOCATED 6 FEET FROM BENT 2 IN THE NORTHBOUND TRAVEL LANE



TYPICAL SOUND PATCHES IN SPAN 3 DECK



SPAN 2 LEFT SIDEWALK (3) 9 INCHES HIGH X 3/4 INCHES WIDE X 1/4 INCHES DEEP SPALLS WITH EXPOSED REBAR ON VERTICAL FACE OF LEFT SIDEWALK , APPROXIMATELY 15 FEET FROM BENT 1



TYPICAL-- MAP CRACKING UP TO 1/16 INCHES WIDE INTERMITTENT THROUGHOUT BRIDGE DECK, SPAN 2 SHOWN



TYPICAL SOUND PATCHES IN SPAN 2 DECK



Span 1 Deck: SOUND PATCH 2 FEET DIAMETER IN NORTHBOUND LANE, APPROXIMATELY MIDSPAN



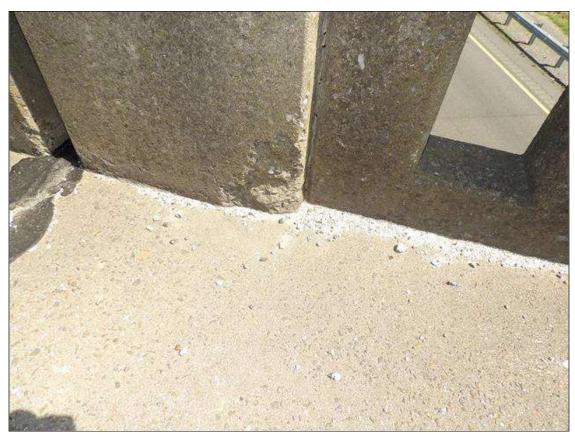
TYPICAL SOUND PATCHES IN SPAN 1 DECK



TYPICAL-- SPALLS UP TO 19 INCHES HIGH X 2 INCHES WIDE X 0.5 INCHES DEEP WITH EXPOSED REBAR THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS SPAN 1 LEFT SHOWN



Span 2 Left Bridge Rail: PAR: (13) SPALLS AND DELAMINATED AREAS UP TO 2 FEET HIGH X 3 INCHES WIDE X 3 INCHES DEEP WITH EXPOSED REBAR INTERMITTENT THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS, SOME AREAS ON BACK FACE ARE LOOSE AND OVER TRAFFIC



Span 3 Right Bridge Rail: SPALL 9 INCH X 6 INCH X 3/4 INCH DEEP ON INSIDE FACE OF END POSTS AT PIER 3 AT BOTTOM



Span 2 Right Bridge Rail: PAR: (6) SPALLS AND DELAMINATED AREAS UP TO 8 INCHES HIGH X 5 INCHES WIDE X 0.5 INCHES DEEP WITH EXPOSED REBAR INTERMITTENT THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS, SOME AREAS ON BACK FACE ARE LOOSE AND OVER TRAFFIC - NCDOT NOTIFIED



TYPICAL VERTICAL CRACKS UP TO 1/32 INCHES WIDE UP TO FULL-HEIGHT OF WEB SCATTERED THROUGHOUT BEAMS, BEAM 1 SPAN 1 SHOWN



Span 2 Beam 1: AT BENT 1, UP TO 1/16 INCHES WIDE HORIZONTAL CRACK UP TO 3 FEET LONG IN LEFT FACE AT BOTTOM OF BEAM



Span 2 Beam 1: 4 INCHES LONG X 3 INCHES WIDE X 1 1/2 INCHES DEEP SPALL ON BOTTOM RIGHT CORNER AT NEAR END, NO LOSS OF BEARING NOTED



Span 2 Beam 1: (2) HIGH HIT SPALLS UP TO 18 INCHES LONG X 9 INCHES (BOTTOM FACE) X 4 INCHES (WEB) X 1 INCHES DEEP AT BOTTOM LEFT CORNER OF BEAM 1 NEAR MIDSPAN



ROUTE 1716 SIGN REATTACHED TO SPAN 2 BEAM 1 WEST FACE TO FIX PREVIOUS PAR



Span 2 Beam 2: IMPACT SPALL 15 INCHES LONG X 6 INCHES (BOTTOM FACE) X 6 INCHES (WEB) X 3 INCHES DEEP AT BOTTOM CORNER OF BEAM 2 NEAR MIDSPAN



Span 2 Beam 3: IMPACT SPALL 15 INCHES LONG X 6 INCHES (BOTTOM FACE) X 6 INCHES (WEB) X 2 INCHES DEEP AT BOTTOM CORNER OF BEAM 3 NEAR MIDSPAN



Span 2 Beam 4: IMPACT SPALL 8 INCHES LONG X 5 INCHES WIDE (BOTTOM FACE) X 3 INCHES HIGH (LEFT FACE) X 1 1/4 INCHES DEEP ON BOTTOM CORNER APPROXIMATELY MID-SPAN



Span 2 Beam 5: IMPACT SPALL NEAR MIDSPAN, 6 INCHES X 4 INCHES X 2 INCHES DEEP AT BOTTOM OF BEAM



Span 2 Beam 5: AT BENT 1, 30 INCHES HIGH VERTICAL CRACK UP TO 1/8 INCHES WIDE EAST FACE



Bent 1 Cap 1: 20 INCHES HIGH X 20 INCHES WIDE X 1.5 INCHES DEEP SPALL WITH EXPOSED REBAR WITH ACTIVE CORROSION NO LOSS ON NEAR FACE IN BAY 1



Bent 2 Cap 1: 2 FEET LONG HORIZONTAL CRACK 1/16 INCHES WIDE ON NEAR FACE IN BAY 2



Bent 2 Cap 1: 2 FOOT-6 INCHES HIGH X 1 FOOT-6 INCHES WIDE X 1 1/4 INCHES DEEP SPALL WITH EXPOSED REBAR/AREA OF DELAMINATION WITH ACTIVE CORROSION NO LOSS ON NEAR FACE UNDER BEAM 3



Bent 2 Cap 1: 4 FOOT-8 INCHES LONG X1 FOOT-10 INCHES HIGH X 1 1/2 INCHES DEEP SPALL WITH EXPOSED REBAR/AREA OF DELAMINATION WITH ACTIVE CORROSION NO LOSS ON NEAR FACE IN BAY 4



Bent 2 Cap 1: FAILED PATCHED AREA THAT IS 2 FEET DIAMETER X UP TO 3/4 INCHES DEEP ON FAR FACE UNDER BAY 4



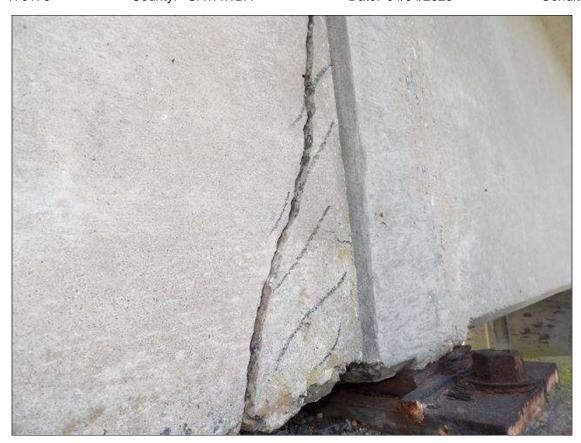
Bent 2 Cap 1: 4 FEET LONG X 10 INCHES HIGH DELAMINATION TOP OF FAR FACE WITH UP TO 1/8 INCHES WIDE CRACKING UNDER BAY 2



Bent 2 Pile 1: 3 SPALLS UP TO 12 INCHES X 4 INCHES X 4 INCHES AT NEAR LEFT CORNER NEAR BASE OF COLUMN 1



Span 2 Deck: 12 INCHES WIDE X 12 INCHES LONG X 1 INCHES DEEP SPALL WITH EXPOSED REBAR WITH ACTIVE CORROSION NO LOSS LOCATED AT UNDERSIDE OF LEFT OVERHANG 15 FEET FROM BENT 2



Span 2 Beam 5: AT BENT 2 BEARING, 24 INCHES HIGH X 6 INCHES WIDE DELAMINATION ON RIGHT SIDE, 1 FEET HIGH X 4 INCHES LONG ON LEFT SIDE, EXTENDING 3 INCHES ACROSS THE BEARING NO LOSS



Span 2 Beam 5: 4 INCHES LONG X 4 INCHES WIDE X 1 INCHES DEEP SPALL ON BOTTOM FACE OF BEAM WITH EXPOSED STEEL NO LOSS AT FAR BEARING



Span 3 Beam 4: AT BENT 3, 2 FEET HIGH X 6 INCHES WIDE DELAMINATED AREA ON LEFT SIDE



Span 4 Beam 3: AT BENT 3, DELAMINATION 4 INCHES HIGH X 4 INCHES WIDE ON END OF BEAM RIGHT CORNER



Span 4 Beam 4: AT BENT 3, 6 INCHES WIDE X 24 INCHES LONG DELAMINATION WITH CRACKING UP 3/32 INCHES WIDE ON LEFT SIDE AT END OF BEAM 4



Span 4 Beam 4: 20 INCHES HIGH X 5 INCHES WIDE AREA OF DELAMINATION WITH UP TO 1/8 INCHES WIDE CRACKING ON RIGHT SIDE OF BEAM AT NEAR END



TYPICAL-- HORIZONTAL CRACK UP TO 1/16 INCHES WIDE ABUTMENT 2 CAP FACE, BAY 1 SHOWN



End Bent 2 Cap 1: 78 INCHES LONG HORIZONTAL CRACK UP TO 1/8 INCHES WIDE ON BAY 3 FACE OF CAP



Bent 3 Cap 1: 3 FEET-6 INCHES LONG X 9 INCHES HIGH DELAMINATION, 6 INCHES DIAMETER X 1 INCHES DEEP SPALL WITH EXPOSED REBAR WITH ACTIVE CORROSION NO LOSS AND 5 INCHES HIGH X 1 INCHES WIDE X 3/4 INCHES DEEP SPALL WITH EXPOSED REBAR WITH ACTIVE CORROSION NO LOSS ON NEAR FACE UNDER BEAM 3



Bent 3 Cap 1: 18 INCHES HIGH X 8 INCHES WIDE X 1 INCHES DEEP SPALL WITH EXPOSED REBAR WITH ACTIVE CORROSION NO LOSS WITH A 3 FEET LONG HORIZONTAL CRACK UP TO 1/16 INCHES WIDE ON NEAR FACE OF CAP UNDER BAY 4



Bent 3 Cap 1: 16 INCHES LONG X 6 FEET HIGH AREA OF DELAMINATION WITH CRACKING UP TO 0.0625 INCHES WIDE ON BOTTOM OF CAP AND EXTENDING UP FAR FACE UNDER BEAM 4



Bent 3 Pile 1: 6 INCHES X 3 INCHES X 1/2 INCHES DEEP SPALL WITH NO AT NEAR LEFT CORNER OF COLUMN 1 (BASE OF COLUMN)

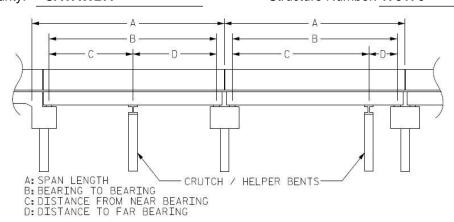


SPAN 4 DECK UNDERSIDE-- DECK REPAIR FORM LEFT IN PLACE (BAY 2, 6 FEET FROM BENT 3)

Structure Data Worksheet

Span Profile

County: CATAWBA Structure Number: 170176



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	57.000	55.000			
2	60.000	57.500			
3	60.000	57.500			
4	57.000	55.000			

Structure Number: 170176 Span: 2 Route Name: I 40 E



LOOKING EAST THROUGH SPAN 2

Route Number: 110004	400	Route Na	ıme: l	40 E	Reference Feature:	Н	
Minimum Vertical Clearance 15.500 feet N				Maximum Minimum Vertical Clearance 15.550 feet			
Total Horizontal Clearance 39.510 feet Lateral Clearances: Left: 16					6.290 feet Right 9.510	feet	
✓ Base Highway Netwo	LRS Inv	entory R	Route, Sub Route Num	lber 10040			
Milepost: 135.300	Number of Lanes: 2 ADT: 25500			ADT : 25500	Year of ADT: 2017	Percentage of Trucks:	16
✓ National Highway System STRAHNET Highway Designator							
Functional Classification 11 Local Principal Arterial - Interstate Direction of Traffic: 1 1 - way traffic							

Structure Number: 170176 Span: 3 Route Name: I 40 W



LOOKING WEST THROUGH SPAN 3

Route Number: 110004	400	Route Na	ıme: l	I 40 W	Reference Feature:	Н	
Minimum Vertical Clears	ance 15.	290 feet	Maxim	num Minimum Vertical	Clearance 15.330 feet		
Total Horizontal Clearance 39.700 feet Lateral Clearances: Left: 15.930 feet Right 9.200 f						feet	
☑ Base Highway Network LRS Inventory Route, Sub Route Number 10040				nber 10040			
Milepost: 135.300	Number of Lanes: 2 ADT: 25500 Year of ADT: 2017			Year of ADT: 2017	Percentage of Trucks:	16	
✓ National Highway System STRAHNET Highway Designator							
Functional Classification 11 Local Principal Arterial - Interstate Direction of Traffic: 1 1 - way traffic							

Bridge Inspection Field Sketch

MEASUREMENTS TAKEN 30 FT FROM END BENT 1

Roadway	20ft Wide	2 Paved Lanes	Looking North
Left Shoulder	6.5ft Wide	2ft Paved	4.5ft Unpaved
Right Shoulder	7.5ft Wide	1ft Paved	6.5ft Unpaved
Left Guardrail	6.5ft from road		
Right Guardrail	7.5ft from road		

Title APPROACH ROADWAY		Description LOOKING NORTH			
Structure No: 170176	Drawn By: RFW	Date: 4/4/2023	Filename: S001458000206.wes		

Bridge Inspection Field Sketch

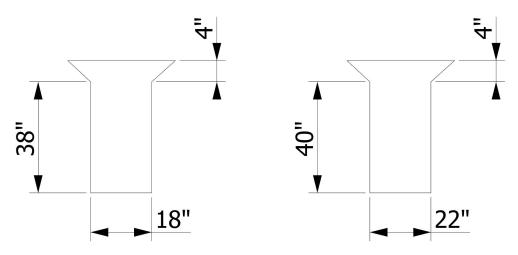
Deck Width/Out to Out 36ft			Between Rails			
Clear Roadway	28ft	Wearing	g Surface			
Median Width	dian Width					
Curb Height			10in	Right	10ir	1
Sidewalk Width	Sidewalk Width			Right	3.25	5ft
Clear Roadway (Rail to Median)	Clear Roadway (Rail to Median)			Right		
Guardrail Width	Left	10in	Right	10ir	1	
Top of Rail to Deck/Wearing Surfa	Left	3.583ft	Right	3.58	33ft	
Bridge Rail Type	Left	Type 31	Right	Тур	e 31	



Beam #	Beam Type	Width	Height	Spacing	From
1	Reinforced Concrete Girder	18in	38in	3ft	Left Edge of Deck
2	Reinforced Concrete Girder	22in	40in	7.5ft	Beam 1
3	Reinforced Concrete Girder	22in	40in	7.5ft	Beam 2
4	Reinforced Concrete Girder	22in	40in	7.5ft	Beam 3
5	Reinforced Concrete Girder	18in	38in	7.5ft	Beam 4

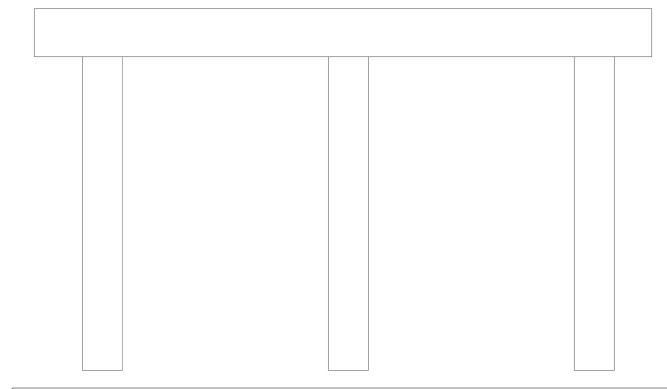
EXTERIOR

INTERIOR



Title TYPICAL SECTION DETAILS	Description SPANS 1 THROUGH 4						
Structure No: 170176	Drawn By:	RFW		Date:	4/4/2023	Filename:	S001458000207.wes

Bridge Inspection Field Sketch



Caps												
#	Name	Туре		Len	ength Widt		th Height		Left Beam to End of Cap		Right Beam to End of Cap	
1	Cap 1	Reinforced Concrete Pier Cap		38.	5ft	t 36in 36in		36in	2ft		2ft	
Piles												
#	Name Type		Туре	9	Spacing F		From		Height/Diam	Width	Length	
1	Pile 1		Reinforced Concrete Colum	ın 4	4.25ft		Left E	nd of Bent	t	30in	36in	
2	Pile 2		Reinforced Concrete Colum	ın :	15.333f	ft	Pile 1			30in	36in	
3	Pile 3		Reinforced Concrete Colum	n :	15.333f	ft	Pile 2			30in	36in	

Title BENT DETAILS	Description BENTS 1 THROUGH 3							
Structure No: 170176	Drawn By:	RFW		Date:	4/4/2023	Filename:	S001458000208.wes	



GUARDRAIL TERMINAL END SOUTHEAST CORNER, SOUTHWEST AND NORTHEAST SIMILAR



GUARDRAIL POST SPACING MIDWAY SOUTHEAST SHOWN ALL OTHERS SIMILAR



GUARDRAIL POST SPACING AT BRIDGE SOUTHEAST SHOWN ALL OTHERS SIMILAR



GUARDRAIL ATTACHMENT TO BRIDGE SOUTHEAST SHOWN ALL OTHERS SIMILAR



LOOKING NORTH



LOOKING EAST



LOOKING WEST



LOOKING SOUTH



GUARDRAIL TERMINAL END NORTHWEST CORNER



TYPICAL--JOINTS OVER SUBSTRUCTURES COVERED WITH TAR, JOINT OVER ABUTMENT 1 SHOWN



ABUTMENT 1, ABUTMENT 2 SIMILAR



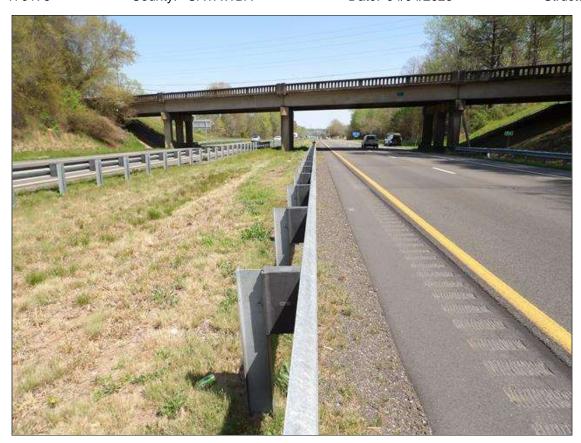
PIER 1, ALL OTHERS SIMILAR



SUPERSTRUCTURE UNDERSIDE SPAN 2, ALL OTHERS SIMILAR



LOOKING EAST THROUGH SPAN 2



WEST ELEVATION



EAST ELEVATION



LOOKING WEST THROUGH SPAN 3



TYPICAL BEARING SPAN 1, BEAM 2 AT PIER 1 SHOWN