NC DEPARTMENT OF TRANSPORTATION

NORTH CRIME

DIVISION OF HIGHWAYS

STRUCTURE MANAGEMENT UNIT

# **Structure Safety Report**

		Routine Element I	nspection	n - Contra	ct	
STRUCTURE NUME	BER: 110064	SAP STRUCTURE NO:	0120064	FH'	WA STRUCTURE NO	00000000230064
DIVISION: 13	COUNTY: BURKE	INSPE	CTION DATE:	08/09/2023	FREQUENCY:	24 MONTHS
FACILITY CARRIED	: SR1138					
LOCATION: .1 MI.N	I.JCT.SR1142					
FEATURE INTERSE	CTED: 140					
LATITUDE: <u>35° 41</u>	' 36.91"	LONGITUDE:	81° 48' 37.72	2"		
SUPERSTRUCTURE		ONCRETE DECK GIRDEF	RS			
SUBSTRUCTURE:	E.BTS:RC SPILL THE	RU;INT.BTS:RC POST&BE	AM			
SPANS: 5 SPAN	S. SEE SPAN PROF	ILE SHEET FOR SPAN DI	ETAILS			
FRACTURE CR		ORARY SHORING	SCOUR CRIT	FICAL		F ACTION
GRADES: (Inspecto	r/NBI Coding) DECK 7	SUPERSTRUCTU	RE <u>5/5</u>	SUBSTRUC	TURE <u>5/5</u> CUI	VERT N/N
POSTED SV: Not	Posted		POSTED TT	ST: Not Pos	ted	

#### OTHER SIGNS PRESENT: none

				Sign noticed issued for			Number Required
				NO	WEIGHT LI	МІТ	0
			SPEED	NO	DELINEATO	ORS	0
	A To	hast the	35	NO	NARROW BR	IDGE	0
				NO	ONE LANE BR	RIDGE	0
				NO	LOW CLEAR	ANCE	0
				DIREC INSPI DIRE MATCHI	TION OF ECTION ECTION ES PLANS	S-N	
south approach looking north							
INSPECTED BY Hector Bonilla	SIGNATURE	Huth Be	milla.	ASSISTED BY	Juan Rodrigue	ez	

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

10/31/2023

IDENTIFICATION			
(1) STATE NAME NORTH CAROLINA BRIDGE 110	0064	SUFFICIENCY RATING	70.82
(8) STRUCTURE NUMBER (FEDERAL) 0230	0064	STATUS =	
(5) INVENTORY ROUTE (ON/UNDER) ON 131011	380	CLASSIFICATION	CODE
(2) STATE HIGHWAY DEPARTMENT DISTRICT (3) COUNTY CODE (FEDERAL) 23 (4) PLACE CODE 44.	13 1400	(112) NBIS BRIDGE SYSTEM	YES
(6) FEATURE INTERSECTED <b>140</b>	1400	(104) HIGHWAY SYSTEM Inventory Route not on NHS	0
(7) FACILITY CARRIED SR1138		(26) FUNCTIONAL CLASS Urban Collector	17
(9) LOCATION .1 MI.N.JCT.SR1142		(100) STRAHNET HIGHWAY Not a STRAHNET Route	0
(11) MILEPOINT	0.0	(101) PARALLEL STRUCTURE No parallel structure exists	Ν
(12) BASE HIGHWAY NETWORK	0	(102) DIRECTION OF TRAFFIC 2-way traffic	2
(13) LRS INVENTORY ROUTE & SUBROUTE (16) LATITUDE 25° 41' 26 91" (17) LONGITUDE 91° 49' 27	70"	(103) TEMPORARY STRUCTURE	
(10) LATTODE 35 41 30.91 (17) LONGTODE 81 48 37. (98) BORDER BRIDGE STATE CODE PERCENT SHARED	.12	(110) DESIGNATED NATIONAL NETWORK - on national network for trucks	0
(99) BORDER BRIDGE STRUCTURE NUMBER		(20) TOLL On Free Road	3
		(21) MAINT -	01
CONTRACTOR OF THE AND MATERIAL			01
(43) STRUCTURE TYPE MAIN Conci	rete	(22) OWNER -	01
I YPE Iee Beam CODE	104	(37) HISTORICAL SIGNIFICANCE -	5
(44) STRUCTURE TYPE APPROACH	-	CONDITION	CODE
TYPE CODE		(58) DECK	7
(45) NUMBER OF SPANS IN MAIN UNIT	5	(59) SUPERSTRUCTURE	5
(46) NUMBER OF SPANS IN APPROACH	0	(60) SUBSTRUCTURE	5
(107) DECK STRUCTURE TYPE CODE	1	(61) CHANNEL & CHANNEL PROTECTION	N
(108)WEARING SURFACE/PROTECTIVE SYSTEM		(62) CULVERTS	Ν
(A) TYPE OF WEARING SURFACE CODE	6 _	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-27	49
(27) YEAR BUILT 19	956	(65) INVENTORY RATING METHOD -	1
(106) YEAR RECONSTRUCTED	0	(66) INVENTORY RATING HS-16	29
(42) TYPE OF SERVICE ON - Overpass Struct	ture	(70) BRIDGE POSTING No Posting Required	5
OFF - Highway CODE	61	(41) STRUCTURE OPEN POSTED OR CLOSED	Α
(28) LANES ON STRUCTURE 2 LANES UNDER STRUCTURE	4		
(29) AVERAGE DAILY TRAFFIC 23	2300		0005
(30) YEAR OF ADT <b>2021</b> (109) TRUCK ADT PCT	7.		CODE 5
			1
	0.0		
(48) I ENGTH OF MAXIMUM SPAN	55 0		3
(49) STRUCTURE LENGTH 23	38.0		N
(50) CURB OR SIDEWALK: LEFT <b>1.5</b> RIGHT	1.5	(72) APPROACH ROADWAY ALIGNMENT	8
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB 2	28.3	(36) TRAFFIC SAFETY FEATURES	0111
(52) DECK WIDTH OUT TO OUT 3	33.5	(113) SCOUR CRITICAL BRIDGES	N
(32) APPROACH ROADWAY WITH (W/ SHOULDERS) 2	24.0	PROPOSED IMPROVEMENTS	
(33) BRIDGE MEDIAN NO MEDIAN CODE	0	(75) TYPE OF WORK COD	E
(10) INVENTORY ROUTE MIN VERT CLEAR 99	99.9	(76) LENGTH OF STRUCTURE IMPROVEMENT	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 2	28.3	(94) BRIDGE IMPROVEMENT COST	
(53) MIN VERT CLEAR OVER BRIDGE RDWY 99	99.9	(95) ROADWAY IMPROVEMENT COST	
(54) MIN VERT UNDERCLEAR: REFERENCE H 1	15.0	(96) TOTAL PROJECT COST	
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE H	9.9	(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(30) WIIN LAT UNDERGLEARAINGE LT. 1	13.4	(114) FUTURE ADT <b>4,600</b> YEAR OF FUTURE ADT	2040
NAVIGATION DATA		INSPECTION	
(38) NAVIGATION CONTROL - CODE	Ν	(90) INSPECTION DATE <b>08/23</b> (91) FREQUENCY	24
(111) PIER PROTECTION CODE		(92) CRITICAL FEATURE INSPECTION (93) CFI DAT	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)	
(40) NAVIGATION HORIZONTAL CLEARANCE	0.0	C) OTHER SPECIAL INSP C)	
		SCOUR	

artifice e eatu na	er	ied	oute	linimum Vertical		ay	ry Route	Classification	anes	ily Traffic	rage Daily Traffic	ntal Clearance	eature	ertical Ince	See N	Note Be	more rade	. Highway	Traffic		hway System
	0	7	5	<u>20</u> 10	11	<u> </u>	13	26	<u>∠</u> 28	 29	<u>≻</u> 30	47	<u>6</u> 54A	<u>ر مے</u> 54	55	56	<u> </u>	100	102	∠ 104	<u> </u>
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	3	I 40 E	11000400	18.0	96.0	1	10040	11	2	19750	2019	42.0	H	17.1	10.1	12.9	4		1		
Image: Sec s	4	I 40 W	11000400	15.5	96.0	1	10040	11	2	19750	2019	42.1	н	15.0	9.9	13.4	3		1		

Note: 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.

# **Superstructure Build Details**

Span Length 36.000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1008	Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	72	Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	140	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1134	Square Feet		
4	Movable Bearing	Movable Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	4
4	Fixed Bearing	Fixed Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	4
Span Nu	mber <u>2</u> Spa	an Length <u>36.000</u>		Sk	<b></b>	1

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
1	Standard Joint	Pourable Joint Seal	31	Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	144	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1134	Square Feet		
4	Movable Bearing	Movable Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	4
1	Asphalt Wearing Surface	Wearing Surface	1008	Square Feet		
4	Fixed Bearing	Fixed Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	4
2	Concrete Railing	Reinforced Concrete Bridge Railing	72	Feet		

Span Number 3

Span Number 1

Span Length 56.500

**Skew** 65.000

**Skew** 65.000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Other warning sign	Other Warning Signs	1	Each		
4	Movable Bearing	Movable Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	4
1	Standard Joint	Pourable Joint Seal	31	Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	114	Feet		

# **Superstructure Build Details**

1	Asphalt Wearing Surface	Wearing Surface	1582	Square Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	228	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1780	Square Feet		
4	Fixed Bearing	Fixed Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	4
Span Nu	imber <u>4</u> Span	Length <u>56.500</u>		Sk	ew 65.000	

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	228	Feet		
1	Standard Joint	Pourable Joint Seal	31	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1780	Square Feet		
1	Other warning sign	Other Warning Signs	1	Each		
2	Concrete Railing	Reinforced Concrete Bridge Railing	114	Feet		
4	Fixed Bearing	Fixed Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	4
1	Asphalt Wearing Surface	Wearing Surface	1582	Square Feet		
4	Movable Bearing	Movable Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	4
		L		01	05.000	1

Span Number 5

Span Length <u>52.500</u>

**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	1654	Square Feet		
2	Standard Joint	Pourable Joint Seal	31	Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	208	Feet		
4	Movable Bearing	Movable Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	4
4	Fixed Bearing	Fixed Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	4
2	Concrete Railing	Reinforced Concrete Bridge Railing	106	Feet		
1	Asphalt Wearing Surface	Wearing Surface	1470	Square Feet		

# **Structure Element Scoring**

#### Structure Number: 110064

# Inspection Date 8/9/2023

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	7,482	7,479	1	0	2
110		Reinforced Concrete Open Girder/Beam	Beam	948	592	269	51	36
205		Reinforced Concrete Column	Piles and Columns	14	6	3	5	0
215		Reinforced Concrete Abutment	Abutments	90	90	0	0	0
220		Reinforced Concrete Pile Cap/Footing	Footing	49	49	0	0	0
234		Reinforced Concrete Pier Cap	Caps	208	103	2	42	61
301		Pourable Joint Seal	Expansion Joints	124	124	0	0	0
311		Movable Bearing	Bearing Device	20	0	8	12	0
515	311	Steel Protective Coating	Bearing Device	20	0	0	0	20
313		Fixed Bearing	Bearing Device	20	2	7	11	0
515	313	Steel Protective Coating	Bearing Device	20	2	1	3	14
331		Reinforced Concrete Bridge Railing	Bridge Rail	478	477	0	1	0
510		Wearing Surface	Wearing Surfaces	6,650	5,164	0	1,486	0
603		Other Warning Signs	Ground Mounted Signs	2	1	0	0	1

# **Summary of Maintenance Needs**

Maintenance By Defect

#### Structure Number: 110064

Inspection Date: 08/09/2023

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	1 Square Feet
3326	Reinforced Concrete Deck	Exposed Rebar	2 Square Feet
3306	Reinforced Concrete Open Girder/Beam	Delamination/Spall	24 Feet
3306	Reinforced Concrete Open Girder/Beam	Patched Area	12 Feet
3306	Reinforced Concrete Open Girder/Beam	Exposed Rebar	85 Feet
3306	Reinforced Concrete Open Girder/Beam	Cracking (RC and Other)	67 Feet
3306	Reinforced Concrete Open Girder/Beam	Efflorescence/Rust Staining	17 Feet
3348	Reinforced Concrete Column	Exposed Rebar	1 Each
3348	Reinforced Concrete Column	Delamination/Spall	4 Each
3348	Reinforced Concrete Column	Cracking (RC and Other)	5 Each
3348	Reinforced Concrete Pier Cap	Exposed Rebar	61 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	12 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	5 Feet
3348	Reinforced Concrete Pier Cap	Efflorescence/Rust Staining	32 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	18 Feet
3334	Movable Bearing	Corrosion	12 Each
3334	Fixed Bearing	Corrosion	11 Each
3318	Reinforced Concrete Bridge Railing	Patched Area	1 Square Feet
2816	Wearing Surface	Crack (Wearing Surface)	1486 Square Feet
3342	Steel Protective Coating	Peeling/Bubbling/Cracking (steel Protective Coatings)	2 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	36 Square Feet

# Element Structure Maintenance Quantities

Structure Number: 110	064				Ir	Inspection Date 08/09/2           e         Poor Quantity         Fair Quantity           51.000         269.000         5           12.000         8.000         0           11.000         7.000         2		<u>2023</u>
Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Beam	3306	Maintenance Concrete Superstructure Components	205	948	36.000	51.000	269.000	592.000
Bearing Device	3334	Bridge Bearing	12	20	0.000	12.000	8.000	0.000
Bearing Device	3334	Bridge Bearing	11	20	0.000	11.000	7.000	2.000
Bearing Device	3342	Clean and Paint Steel	20	20	20.000	0.000	0.000	0.000
Bearing Device	3342	Clean and Paint Steel	18	20	14.000	3.000	1.000	2.000
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	1	478	0.000	1.000	0.000	477.000
Deck	3326	Maintenance of Concrete Deck	3	7482	2.000	0.000	1.000	7479.000
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	124	0.000	0.000	0.000	124.000
Ground Mounted Signs	3250	Install or Replace Ground Mounted Signs	0	2	1.000	0.000	0.000	1.000
Wearing Surfaces	2816	Asphalt Surface Repair	1486	6650	0.000	1486.000	0.000	5164.000
Abutments	3350	Maintenance of Concrete Wings and Wall	0	90	0.000	0.000	0.000	90.000
Caps	3348	Maintenance of Concrete Substructure	128	208	61.000	42.000	2.000	103.000
Footing	3348	Maintenance of Concrete Substructure	0	49	0.000	0.000	0.000	49.000
Piles and Columns	3348	Maintenance of Concrete Substructure	10	14	0.000	5.000	3.000	6.000

Structure Nun	nber 110064		
Span1			
3326	Deck	Reinforced Co	ncrete Deck
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	1	Span 1 Deck: (PAR) west overhang 10 foot from end bent 1, spall (5 inch x 5 inch x 1/2 inch deep) with exposed rusted rebar
3306	Beam 1	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	3	Span 1 Beam 1: (PAR) at bent 1, west face and underside, (2) spalls/delamination (up to 2.5 foot x 2 foot x 2 inch deep) with exposed rusted rebar (approximately 25 percent loss)
3306	Beam 3	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Efflorescence/Rust	1	Span 1 Beam 3: (PAR) West face at far end, diagonal crack [18 inch x 1/32 inch] with rust stain
3306	Beam 4	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	3	Span 1 Beam 4: (PAR) at bent 1, west and east faces and underside, multiple spalls/delaminations (up to 8 inch x 12 inch x 1/2 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch)
Span2			
3326	Deck	Reinforced Co	ncrete Deck
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	2	Span 2 Deck: (PAR) over bent 1, east overhang, spall (4 inch diameter x 1/2 inch deep) with exposed rusted rebar (approximately 25 percent loss)
3306	Beam 1	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	3	Span 2 Beam 1: (PAR) at bent 2, west face and underside, multiple spalls/delaminations (2 foot x 32 inch x 2.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch)
2	Efflorescence/Rust	1	Span 2 Beam 1: (PAR) East face at near end, vertical crack [10 inch x 1/32 inch] with rust stain
2	Efflorescence/Rust	4	Span 2 Beam 1: (PAR) West face at near end, longitudinal crack [4 foot x 1/32 inch] and diagonal crack [full height x 1/32 inch] with rust stain and efflorescence
2	Exposed Rebar	7	Span 2 Beam 1: (PAR) at bents 1 and 2, bay 1 end diaphragm, spalls/delaminations (up to full length x up to full height x 3 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch) with rust stains
? Priority A	ction Request (PAR)	Assigned Routine	Maintenance 2 Assigned Priority Maintenance 3 Assigned Critical Find

Structure Nur	nber 110064		
3306	Beam 3	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	7	Span 2 Beam 3: (PAR) at bents 1 and 2, bay 3 end diaphragm, spalls/delaminations (up to full length x 8 inch x 1.5 deep) with exposed rusted rebar (approximately 25 percent loss)
3306	Beam 4	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Efflorescence/Rust	4	Span 2 Beam 4: (PAR) near bent 1, delamination (4 foot x 8 inch) and cracks (up to
2	Exposed Rebar	3	Span 2 Beam 4: (PAR) at bent 2, west and east faces and underside, multiple spalls/delaminations (up to 18 inch x 8 inch x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)
Span3			
3306	Beam 1	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	14	Span 3 Beam 1: (PAR) at bents 2 and 3, bay 1 end diaphragms, spalls/delaminations (up to full length x full height x up to 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch)
3306	Beam 3	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 3 Beam 3: (PAR) at bent 3, west face, spall/delamination (11 inch x 11 inch x 1/2 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/32 inch)
2	Exposed Rebar	3	Span 3 Beam 3: (PAR) East face over bent 2, (3) spalls/delaminations [up to 17 inch long x 24 inch high x up to 2 inch deep] with exposed rusted rebar [approximately 25 percent loss] and cracks [up to 1/16 inch]
3306	Beam 4	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Cracking (RC and	11	Span 3 Beam 4: (PAR) West face at near end, delamination [11 foot long x up to 9 inch high] with associated 1/2 inch crack, delamination extends to right Eastbound lane of I-40 below
2	Exposed Rebar	3	Span 3 Beam 4: (PAR) at bent 3, west face, (2) spalls/delaminations (1 foot x 30 inch x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to $1/32$ inch)

#### Span4



3306	Beam 1	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Span 4 Beam 1: (PAR) at bent 3, east face and underside, spalls/delaminations (up to 6 foot x 18 inch x 2 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/16 inch)
2	Exposed Rebar	7	Span 4 Beam 1: (PAR) at bents 3 and 4, bay 1 end diaphragms, spalls/delaminations (up to full length x full height x up to 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch) and rust stains
3306	Beam 2	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	14	Span 4 Beam 2: (PAR) at bents 3 and 4, bay 2 end diaphragms, spalls/delaminations (up to full length x full height x up to 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch) with rust stains
3306	Beam 4	Reinforced Co	ncrete Girder
Priority	Defect Type	Quantity	Defect Description
2	Efflorescence/Rust	7	Span 4 Beam 4: (PAR) AT BENT 3, (2) UP TO 7 FOOT X 1/32 INCH LONGITUDINAL CRACKS, ON BOTTOM AND WEST FACES WITH
2	Exposed Rebar	4	EFFLORESCENCE AND RUST STAIN Span 4 Beam 4: (PAR) at bent 3, east face, spall/delamination (43 inch x 43 inch x inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/32 inch)
3250	Route Marker Sign	Other warning	sign
Priority Level	Defect Type	Quantity	Defect Description
2	General Condition	0	Span 4 Route Marker Sign: (PAR) route sign, missing
Span5			
3306	Beam 3	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 5 Beam 3: (PAR) at bent 4, west face, spall/delamination (5 inch x 2 foot x 4 inch deep) with exposed rusted rebar (approximately 25 percent loss)
3306	Beam 4	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Patched Area	6	Span 5 Beam 4: (PAR) at bent 4, west face and underside, spall/delamination (6 for x full width x up to 6 inch x 1.5 inch deep) with exposed rusted rebar (approximately

Structure Number 110064

## Bent 1

3348	Cap 1	Reinforced Co	ced Concrete Pier Cap			
Priority Level	Defect Type	Quantity	Defect Description			
2	Exposed Rebar	28	Bent 1 Cap 1: (PAR) along north and south faces, multiple spalls/delaminations (up to 16 foot x full height foot x 2.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (1/8 inch) at random			
2	Exposed Rebar	1	Bent 1 Cap 1: (PAR) east face, spall/delamination (12 inch x 6 inch x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)			

#### Bent 2

3348	Cap 1	Reinforced Co	ncrete Pier Cap
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	10	End Bent 2 Cap 1: (PAR) top of South face at bay 3, spall/delamination [10 foot x full height x full width x up to 3 inch deep] with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/18 inch)

3348	Cap 1	Reinforced Concrete Pier Cap				
Priority Level	Defect Type	Quantity	Defect Description			
2	Efflorescence/Rust	6	Bent 2 Cap 1: (PAR) (2)- UP TO 10 FOOT X 1/16 INCH HORIZONTAL CRACKS WITH RUST STAINS, SOUTH FACE, UNDER BAYS 2 AND 3.			
2	Efflorescence/Rust	1	Bent 2 Cap 1: (PAR) southwest corner, spall/delamination (18 inch x 6 inch x 1 inch deep) with exposed rusted rebar and adjacent map cracks (up to 1/32 inch) with rust stains			
2	Exposed Rebar	8	Bent 2 Cap 1: (PAR) South face at East end, spall/delamination [84 inch long x up to full height x up to 3 inch deep] with exposed rusted rebar and stirrups [rebar and stirrups with approximately 25 percent loss] and cracks [up to 1/8 inch]			
2	Exposed Rebar	14	Bent 2 Cap 1: (PAR) underside of cap between columns, spall/delamination [14 foot long x full width x up to 4 inch deep] that extends onto south face [13 inch] with exposed rusted rebar and stirrups [rebars with approximately 25 percent loss; stirrups approximately 35 percent loss]			

# Bent 3

3348	Cap 1	Reinforced Concrete Pier Cap					
Priority Level	Defect Type	Quantity	Defect Description				
2	Efflorescence/Rust	10	Bent 3 Cap 1: (PAR) BENT 3 CAP HAS SCATTERED CRACKS UP TO 1/16 INCH SOME WITH ADJACENT DELAMINATION (UP TO 7 FOOT X 1.5 FOOT) AND RUST STAINS.				
3348	Pile 1	Reinforced Cor	ncrete Column				
? Priority A	Action Request (PAR)	Assigned Routine	Maintenance 2 Assigned Priority Maintenance 3 Assigned Critical Find				

Structure Number 110064 Priority Level Defect Type			
		Quantity	Defect Description
2	Exposed Rebar	1	Bent 3 Pile 1: (PAR) 6 INCH DIAMETER X 1/2 INCH SPALL WITH EXPOSED REINFORCING (APPROXIMATELY 10 PERCENT LOSS) ON EAST FACE NEAR GROUNDLINE.
Bent 4			
3348	Cap 1	Reinforced Co	ncrete Pier Cap
Priority Level	Defect Type	Quantity	Defect Description
2	Efflorescence/Rust	10	Bent 4 Cap 1: (PAR) underside of cap between columns 1 and 2, longitudinal cracks (up to 1/16 inch x 4 foot) some with rust stains and adjacent delaminations (up to 8 foot x full width)
2	Efflorescence/Rust	1	Bent 4 Cap 1: (PAR) west face at bottom corner, map cracks (up to 1/32 inch) with rust stains
Approach Guardrail and Barriers			
3120	Approach Guardrail and Barriers	Approach Gua	rdrail and Barriers
Priority Level	Defect Type	Quantity	Defect Description
2		2	(PAR) northeast guardrail, 3rd and 12th timber posts from end bent 2, decay/section loss (up to full width x full height x full depth)
2		1	(PAR) northwest guardrail, 1st timber spacer from end bent 2, decay/section loss (full height x 3 inch x 3 inch deep)
2		1	(PAR) southeast guardrail, 9th timber spacer from end bent 1, missing
2		1	(PAR) southwest guardrail, 13th timber post from end bent 1, decay/section loss (up to full width x full height x full depth)

2 Assigned Priority Maintenance 3 Assigned Critical Find

# **Element Condition and Maintenance Data**

Structure	Number: <u>110064</u>					In	spection Date: 08/09/2	<u>023</u>
Spa	an 1	Deck						
Rei	nforced Concrete	Deck						
Eler Nur 12	ment mber Reinford	Element Name ced Concrete Deck	Total Qty 1,134	<b>CS1</b> Qty 1,133	<b>CS2</b> Qty 1	<b>CS3</b> Qty 0	CS4 Qty 0 Square Feet	
Elemen	nt Defect Type	Defect Descripti	ion		CS	CS Qtv	Maint	
Numbe	Delamination/Spall	(PAR) west overhang 10 foot from end (5 inch x 5 inch x 1/2 inch deep) with e rebar	d bent 1, spall exposed rusted		2	1	uty 1 Square Fe	et
	General Comments							
Spa	an 1	Beam 1						
Rei	nforced Concrete	Girder						
Elei	ment	Flement Name	Total	CS1 Otv	CS2	CS3 Otv	CS4	
110	Reinford	ced Concrete Open Girder/Beam	35	27	5	0	3 Feet	
Elemer	nt Defect Type	Defect Descripti	ion		20	CS Otv	Maint	
Numbe	Exposed Rebar	(PAR) at bent 1, west face and unders spalls/delamination (up to 2.5 foot x 2 deep) with exposed rusted rebar (appr percent loss)	side, (2) foot x 2 inch roximately 25		4	3	Qty 3 Feet	
✓ 110	Cracking (RC and Other)	at bent 1, east face, delamination (26 with cracks (up to 1/2 inch)	inch x 6 inch)		3		2 Feet	
✓ 110	Cracking (RC and Other)	along the length of the beam, vertical ( 1/32 inch x full height) at random	cracks (up to		2	5	Feet	
110	Delamination/Spall	DUPLICATE DEFECT 8-21-2019			1		Feet	
	General Comments							
Spa	an 1	Beam 3						
Rei	nforced Concrete	Girder						
Elei	ment	Element Name	Total	CS1	CS2	CS3	CS4	
110	Reinford	ced Concrete Open Girder/Beam	35	30	4	1	0 Feet	
Elemer Numbe	nt Defect Type	Defect Descripti	ion		CS	CS Qty	Maint Qty	
✓ 110	Efflorescence/Rust Staining	(PAR) West face at far end, diagonal on x 1/32 inch] with rust stain	crack [18 inch		3	1	1 Feet	
✓ 110	Cracking (RC and Other)	along far half of beam, vertical/diagona to 1/64 inch x full height)	al cracks (up		2	4	Feet	
	General Comments							
Sna	an 1	Room A						
Spa	nforced Concrete	Deam 4						
Rei	morcea Concrete	Girder						

Element Number	Ele	ement Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Cond	rete Open Girder/Beam	35	28	4	0	3 Feet	
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure N	lumber: <u>110064</u>			Inspection Da	ate: 08/09/2023
<b>V</b> 110	Exposed Rebar	(PAR) at bent 1, west and east faces and underside, multiple spalls/delaminations (up to 8 inch x 12 inch x 1/2 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch)	4	3 3	Feet
✓ 110	Cracking (RC and Other)	along the length of the beam, vertical cracks (up to 1/64 inch x full height) at random	2	4	Feet
<b>√</b> 110	Delamination/Spall	(COMBINED WITH OTHER NOTES 2023) SPAN 1 BEAM 4 EAST FACE AT BENT 1. DELAMINATION [8 INCH X 13 INCH]	1		Feet
<b>V</b> 110	Delamination/Spall	(COMBINED WITH OTHER NOTES 2023) SPAN 1 BOTTOM OF BEAM 4 OVER BENT 1. HAS A SPALLED AREA WITH REBAR EXPOSED. AREA IS: 4 INCH X 5 INCH X 1 INCH DEEP [NO LOSS NOTED]	1		Feet

**General Comments** 

Spa	n 1		Near Bearing 1						
Fixe	ed Bearing								
Eler Nur	nent nber	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
Elemen Numbe	t r Defect Type		Defect Description			CS	CS Qty	Maint Qty	
<mark>√</mark> 313	Corrosion	SURFACE RUST				2	1	-	Each
✓ 515	Effectiveness (Steel Protective Coatings)	surface rust				3	1		1 Square Feet
-	General Comments								

# Span 1

# Far Bearing 1

## **Movable Bearing**

Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	e Bearing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Elemen Number	nent Defect Type Defect Descrip		cription		CS	CS Qty	Maint Qty	
<mark>√</mark> 311	Corrosion	corrosion with section loss [up to	1/16 inch loss]		3	1		1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
Ī	General Comments							

Span 1		Near Bearing 2								
Fixed Bearing										
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty			
313	Fixed Bearing		1	0	1	0	0 Ea	ch		
515	Steel Protective Coating		1	0	1	0	0 Sqi	uare Feet		
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty			

Structure	ructure Number: 110064					
<b>√</b> 313	Corrosion	freckled rust	2	1	Each	
✓ 515	Effectiveness (Steel Protective Coatings)	freckled rust	2	1 1	Square Feet	
	General Comments					

Spa	an 1			Far Bearing 2						
Мо	vable Bear	ing								
Ele Nu	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		Movable	Bearing		1	0	1	0	0	Each
515		Steel Pro	otective Coating		1	0	0	0	1	Square Feet
Elemer Numbe	nt er Defect	Туре		Defect Description			CS	CS Qty	Maint Qty	
✓ 311	Corrosion		RUST SCALE				2	1		Each
<b>√</b> 515	Effectivenes Protective C	s (Steel oatings)	rust scale				4	1		1 Square Feet
	General Com	nments								

Spa	an 1			Far Bearing 3						
Мо	vable	Bearing								
Ele Nu	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		Movable	e Bearing		1	0	1	0	0	Each
515		Steel Pr	otective Coating		1	0	0	0	1	Square Feet
Elemer	nt er [	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
<b>√</b> 311	Corros	sion	RUST SCALE				2	1		Each
✓ 515	Effecti Protec	veness (Steel tive Coatings)	rust scale				4	1		1 Square Feet
	Genera	I Comments								

Spa	an 1		Far Bearing 4					
Мо	vable Bearing							
Ele: Nu:	ment mber	Element Name	Tota Qty	l CS1 v Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	M	ovable Bearing	1	0	0	1	0	Each
515	St	eel Protective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	nt Pr Defect Typ	De	Defect Description		CS	CS Qty	Maint Qty	
<mark>√</mark> 311	Corrosion	corrosion with sect	ion loss [up to 1/16 inch loss]		3	1	-	1 Each
<b>√</b> 515	15 Effectiveness (Steel corrosion with sect Protective Coatings)		ion loss		4	1		1 Square Feet
	<b>General Comme</b>	nts						

Wearing Surface

#### Span 1

## Asphalt Wearing Surface

Elen Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	quere Feet
510	Wealin	g Sullace	1,000	740	0	202	0 3	quale reel
Element Number	Defect Type	Defect De	scription		CS	CS Qty	Maint Qty	
<b>√</b> 510	Crack (Wearing Surface)	over bent 1, partially sealed trar inch x full width) with vegetation	nsverse crack (1/8 growth		3	31	31	Square Feet
<b>√</b> 510	Crack (Wearing Surface)	over end bent 1, transverse crack width) with vegetation growth	ck (1/4 inch x full		3	31	31	Square Feet
<b>√</b> 510	Crack (Wearing Surface)	WEARING SURFACE HAS SC. TRANSVERSE AND LONGITU TO 1/8 INCH	ATTERED DINAL CRACKS UP		3	200	200	Square Feet

**General Comments** 

Spar	ו 2	Deck						
Rein	forced Concrete	Deck						
Elem Num	lent ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinfor	ced Concrete Deck	1,134	1,132	0	0	2	Square Feet
Element Number	Defect Type	Defect De	escription		CS	CS Qty	Maint Qty	
<b>v</b> 12	Exposed Rebar	(PAR) over bent 1, east overha diameter x 1/2 inch deep) with e (approximately 25 percent loss)	ng, spall (4 inch exposed rusted rebar		4	2		2 Square Feet

**General Comments** 

Span 2

#### Beam 1

#### **Reinforced Concrete Girder**

Elen Num	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	36	17	12	4	3 F	eet
Element Number	t Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	
<b>V</b> 110	Exposed Rebar	(PAR) at bent 2, west face and undersi spalls/delaminations (2 foot x 32 inch x deep) with exposed rusted rebar (appro percent loss) and cracks (up to 1/8 inch	de, multiple 2.5 inch oximately 25 າ)		4	3	3	Feet
<b>√</b> 110	Exposed Rebar	(PAR) at bents 1 and 2, bay 1 end diap spalls/delaminations (up to full length x height x 3 inch deep) with exposed rus (approximately 25 percent loss) and cra 1/8 inch) with rust stains	hragm, up to full ted rebar acks (up to		4		7	Feet
<b>v</b> 110	Efflorescence/Rust Staining	(PAR) East face at near end, vertical c x 1/32 inch] with rust stain	rack [10 inch		3	1	1	Feet
<b>V</b> 110	Efflorescence/Rust Staining	(PAR) West face at near end, longitudi foot x 1/32 inch] and diagonal crack [fu 1/32 inch] with rust stain and effloresce	nal crack [4 Il height x ence		3	3	4	Feet
✓ 110	Cracking (RC and Other)	TRANSVERSE AND WRAPAROUND TO 1/64 INCH, AT RANDOM THROUC	CRACKS UP SHOUT.		2	12		Feet

#### Span 2

#### **Reinforced Concrete Girder**

Ele: Nur	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	36	16	18	2	0 F	eet
Elemer Numbe	nt Pr Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
<b>√</b> 110	Cracking (RC and Other)	at bents 1 and 2, bay 2 end diaphragm delaminations (up to full length x full w cracks (up to 1/8 inch)	n, idth) with		3		7	Feet
<b>v</b> 110	Cracking (RC and Other)	West and east faces over bent 2, spalls/delaminations [up to 30 inch hig wide x 3 inch deep] with cracks (up to	h x 7 inch 1/8 inch)		3	1	1	Feet
<b>v</b> 110	Delamination/Spall	East face at near end, delamination/sp 15 inch x up to 1/2 inch deep] with exp rebar	all [10 inch x losed rusted		3	1	1	Feet
<b>v</b> 110	Cracking (RC and Other)	TRANSVERSE AND WRAPAROUND TO 1/64 INCH, AT RANDOM THROU	CRACKS UP GHOUT.		2	18		Feet

General Comments

Spa	n 2	Beam 3									
Reinforced Concrete Girder											
Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty				
110	Reinfor	ced Concrete Open Girder/Beam	36	23	12	1	0 F	eet			
Elemen Numbe	t r Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty				
<b>√</b> 110	Exposed Rebar	(PAR) at bents 1 and 2, bay 3 end dia spalls/delaminations (up to full length deep) with exposed rusted rebar (app percent loss)	iphragm, x 8 inch x 1.5 roximately 25		4		7	Feet			
V 110	Delamination/Spall	at bent 2, underside, (2) spalls/delami 1 foot x 6 inch x 1/2 inch deep) with e rebar	nations (up to xposed rusted		3	1	1	Feet			
<b>v</b> 110	Cracking (RC and	TRANSVERSE AND WRAPAROUND	CRACKS UP		2	12		Feet			

Other)

Span 2

**General Comments** 

Beam 4

TO 1/64 INCH, AT RANDOM THROUGHOUT.

#### Reinforced Concrete Girder

Elem Num	nent hber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfol	ced Concrete Open Girder/Beam	36	13	16	4	3	-eet
Element Number	t Defect Type	Defect Description	on		cs	CS Qty	Maint Qty	
<b>√</b> 110	Exposed Rebar	(PAR) at bent 2, west and east faces a multiple spalls/delaminations (up to 18 x 1 inch deep) with exposed rusted reb (approximately 25 percent loss)	nd underside, inch x 8 inch ar		4	3	3	Feet
<b>√</b> 110	Efflorescence/Rust Staining	(PAR) near bent 1, delamination (4 foo and cracks (up to 1/16) with rust stains	t x 8 inch)		3	4	4	Feet
✓ 110	Cracking (RC and Other)	TRANSVERSE AND WRAPAROUND TO 1/64 INCH, AT RANDOM THROUC	CRACKS UP GHOUT.		2	16		Feet

✓ 110 Delamination/Spall

(combined with other notes 2023) West face at 3 foot from far end, two [2] spalls [up to 5 inch x 4 inch x 3/4 inch deep] with exposed rusted reinforcing [no loss noted]

Inspection Date: 08/09/2023

1

Feet

#### **General Comments**

Span Z	Left Bridge I	Kall				
Concrete Railing						
Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331 Reinfo	prced Concrete Bridge Railing	36	36	0	0	0 Feet
Element Number Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty
331 Cracking (RC and Other)	(NOT FOUND 2023) LEFT RAIL HA MAP CRACKING UP TO 1/64 INCH	AS SCATTERED		1		Feet
General Comments						
Span 2	Right Bridge	e Rail				
Concrete Railing						
Element Number	Element Name	Total Qtv	CS1 Qtv	CS2 Qtv	CS3 Qtv	CS4 Qtv
331 Reinfo	prced Concrete Bridge Railing	36	36	0	0	0 Feet
Element Number Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty
331 Cracking (RC and Other)	1 (NOT FOUND 2023) RIGHT RAIL HAS SCATTERED MAP CRACKING UP TO 1/64 INCH			1		Feet
General Comments						
Span 2	Near Bearing	g 1				
Movable Bearing						
Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311 Movat	Die Bearing	1	0	0	1	0 Each
	Fiblective Coaling	I	0	0	0	i Square reet
Element Number Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty
<b>311</b> Corrosion	corrosion with section loss (up to 1/	16 inch loss)		3	1	1 Each
	correction with section loss			4	1	1 Square Fee

# Span 2

# Far Bearing 1

**Fixed Bearing** 

lement umber	Defect Type	Defect Description			CS	CS Qty	Maint Qtv	
515	Steel Protective Coating		1	0	0	0	1	Square Feet
313	Fixed Bearing		1	0	0	1	0	Each
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	

Structure	Inspectior	n Date: 08/09/2023			
<b>√</b> 313	Corrosion	corrosion with section loss [up to 1/8 inch loss]	3	1	1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1 Square Feet
	General Comments				

Span	2

Near Bearing 2

Μ	ova	ble	Bea	ring

	-								
Ele: Nur	ment nber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Mova	able Bearing		1	0	1	0	0	Each
515	Stee	Protective Coating		1	0	0	0	1	Square Feet
Elemer Numbe	nt Defect Type		Defect Description			CS	CS Qty	Maint Qty	
<mark>√</mark> 311	Corrosion	RUST SCALE				2	1	-	Each
✓ 515	Effectiveness (Stee Protective Coating	el rust scale s)				4	1		1 Square Feet
	General Comments	6							

n 2	Far Bearin	ig 2					
ed Bearing							
nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Fixed Be	earing	1	0	0	1	0	Each
Steel Pre	otective Coating	1	0	0	0	1	Square Feet
t r Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
Corrosion	corrosion with section loss [up to	1/16 inch loss]		3	1	- 1	I Each
Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1	1	Square Feet
	n 2 ad Bearing nent nber Fixed Be Steel Pro- t <b>Defect Type</b> Corrosion Effectiveness (Steel Protective Coatings)	n 2 Far Bearing nent her Fixed Bearing Steel Protective Coating t Defect Type Corrosion Effectiveness (Steel corrosion with section loss [up to Protective Coatings)	n 2 Far Bearing 2 ad Bearing Total Qty Fixed Bearing Steel Protective Coating 1 t Defect Type Corrosion Corrosion with section loss [up to 1/16 inch loss] Effectiveness (Steel corrosion with section loss Protective Coatings)	n 2 Far Bearing 2 ad Bearing ment mber Element Name Total Qty Qty Fixed Bearing 1 0 Steel Protective Coating 1 0 t Defect Type Defect Description Corrosion corrosion with section loss [up to 1/16 inch loss] Effectiveness (Steel corrosion with section loss	n 2 Far Bearing 2 ad Bearing ment mber Element Name CS1 CS2 Qty Qty Qty Fixed Bearing 1 0 0 Steel Protective Coating 1 0 0 t Defect Type Defect Description CS Corrosion corrosion with section loss [up to 1/16 inch loss] 3 Effectiveness (Steel corrosion with section loss 1 4	n 2       Far Bearing 2         ad Bearing       Total Qty       CS1 Qty       Qty Qty       Qty Qty         nent nber       Element Name       Total Qty       Qty Qty       Qty Qty       Qty Qty         Fixed Bearing       1       0       0       1         Steel Protective Coating       1       0       0       0         t       Defect Type       Defect Description       CS       CS Qty         Corrosion       corrosion with section loss [up to 1/16 inch loss]       3       1         Effectiveness (Steel Protections)       corrosion with section loss       4       1	n 2 Far Bearing 2 ad Bearing ment her Element Name CS1 CS2 CS3 CS4 prixed Bearing 1 0 0 1 0 Steel Protective Coating 1 0 0 0 1 t Defect Type Defect Description CS CS Qty Maint r Defect Type Corrosion with section loss [up to 1/16 inch loss] 3 1 1 Effectiveness (Steel corrosion with section loss 1 1 1 1 1 Protective Coatings)

**General Comments** 

Spa	in 2		Near Bearing 3						
Мо	vable Bearing								
Eler Nur	ment nber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	e Bearing		1	0	1	0	0	Each
515	Steel P	rotective Coating		1	0	0	0	1	Square Feet
Elemen Numbe	nt Pr Defect Type		Defect Description			CS	CS Qty	Maint Qty	
<mark>√</mark> 311	Corrosion	RUST SCALE				2	1	-	Each
✓ 515	Effectiveness (Steel Protective Coatings)	rust scale				4	1		1 Square Feet
	General Comments								

# Span 2

Elen Num	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty		
313	Fixed Be	Fixed Bearing		0	0	1	0	Each	
515	Steel Pr	otective Coating	1 0		0 0	0	1	Square Feet	
Element Number	t Defect Type	Defect De	scription		CS	CS Qty	Maint Qty		
/ 313	Corrosion	corrosion with section loss [up to	corrosion with section loss [up to 1/16 inch loss]			1		1 Each	
/ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Fee	

General Comments

Spa	an 2			Near Bearing 4						
Мо	vable	Bearing								
Ele Nu	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		Movable	Bearing		1	0	0	1	0	Each
515		Steel Pro	otective Coating		1	0	0	0	1	Square Feet
Elemer Numbe	nt er	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
<b>√</b> 311	Corr	osion	RUST SCALE				3	1		1 Each
✓ 515	Effec Prote	ctiveness (Steel ective Coatings)	rust scale				4	1		1 Square Feet
	Gene	ral Comments								

Span 2

# Far Bearing 4

**Fixed Bearing** 

Elen Nun	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixe	ed Bearing	1	0	0	1	0 E	ach
515	Ste	el Protective Coating	1	0	0	0	1 S	quare Feet
Elemen Number	t Defect Type	e Defect Desc	ription		CS	CS Qty	Maint Qty	
<mark>√</mark> 313	Corrosion	corrosion with section loss [up to ?	l/8 inch loss]		3	1	1	Each
✓ 515	Effectiveness (Ste Protective Coatin	eel corrosion with section loss gs)			4	1	1	Square Feet

**General Comments** 

# Span 2

# Wearing Surface

# Asphalt Wearing Surface

Elen Num 510	nent nber Wearin	Element Name g Surface	Total Qty 1,008	<b>CS1</b> Qty 877	<b>CS2</b> <b>Qty</b> 0	<b>CS3</b> <b>Qty</b> 131	CS4 Qty 0 Square Feet
Elemen Number	t Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty
<b>v</b> 510	Crack (Wearing Surface)	over bent 2, partially sealed trans inch x full width) with edge spallir inch x 1/2 inch deep) with vegeta	sverse crack (1/8 ng (up to 3 foot x 5 tion growth		3	31	31 Square Feet

Structure Number: 110064

✓ 510	Crack (Wearing
	Surface)

WEARING SURFACE HAS SCATTERED TRANSVERSE AND LONGITUDINAL CRACKS UP TO 1/16 INCH Inspection Date: 08/09/2023

100

3

100 Square Feet

#### **General Comments**

# Span 3

Beam 1

#### Reinforced Concrete Girder

Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinford	ed Concrete Open Girder/Beam	57	39	16	2	0 F	eet
Elemen Number	t Defect Type	Defect Description			CS	CS Qty	Maint Qty	
<b>√</b> 110	Exposed Rebar	(PAR) at bents 2 and 3, bay 1 end diaphra spalls/delaminations (up to full length x ful up to 1.5 inch deep) with exposed rusted r (approximately 25 percent loss) and crack 1/8 inch)	agms, Il height x rebar ss (up to		4		14	Feet
<b>√</b> 110	Delamination/Spall	WEST FACE OVER BENT 3. HAS A CR/ AND DELAMINATED AREA. AREA IS: 2 31 INCH X 1 INCH DEEP.	ACK/SPALL 2 INCH X		3	2	2	Feet
<mark>√</mark> 110	Cracking (RC and Other)	TRANSVERSE AND WRAPAROUND CR TO 1/64 INCH, AT RANDOM THROUGH	ACKS UP OUT.		2	15		Feet
<b>v</b> 110	Delamination/Spall	at bent 2, east face at top, delamination (1 inch)	12 inch x 4		2	1	1	Feet

**General Comments** 

#### Span 3

Beam 2

## **Reinforced Concrete Girder**

Elen Num	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	57	41	12	4	0 F	eet
Element Number	t Defect Type	Defect Descriptio	n		cs	CS Qty	Maint Qty	
<b>V</b> 110	Cracking (RC and Other)	at bents 2 and 3, bay 2 end diaphragms spalls/delaminations (up to full length x and cracks (up to 1/8 inch)	s, full height)		3		14	Feet
<b>V</b> 110	Delamination/Spall	(4)- UP TO 3 INCH X 12 INCH X 1 INCI WITH EXPOSED REINFORCING, WES BENT 2.	H SPALLS ST FACE, AT		3	4	4	Feet
<b>v</b> 110	Cracking (RC and Other)	TRANSVERSE AND WRAPAROUND C TO 1/32 INCH, AT RANDOM THROUG	RACKS UP HOUT.		2	10		Feet
<b>v</b> 110	Delamination/Spall	near bent 3, west face, (3) delamination diameter) with cracks (up to 1/32 inch)	s (8 inch		2	2	2	Feet
110	Delamination/Spall	DUPLICATE DEFECT 8-21-2019.			1			Feet

**General Comments** 

Span 3		Beam 3						
Reinford	ced Concrete Girder							
Element Number	Eleme	ent Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concret	e Open Girder/Beam	57	41	12	0	4 Feet	
Element Number	Defect Type	Defect Descriptio	n		cs d	CS Qty	Maint Qty	

Structure	Number: 110064			Inspe	ection Date: 08/09/202
<b>√</b> 110	Exposed Rebar	(PAR) at bent 3, west face, spall/delamination (11 inch x 11 inch x 1/2 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/32 inch)	4	1	1 Feet
<b>V</b> 110	Exposed Rebar	(PAR) East face over bent 2, (3) spalls/delaminations [up to 17 inch long x 24 inch high x up to 2 inch deep] with exposed rusted rebar [approximately 25 percent loss] and cracks [up to 1/16 inch]	4	3	3 Feet
<b>v</b> 110	Cracking (RC and Other)	at bent 2, west face, delamination (2 inch x 1 foot) with cracks (up to 1/8 inch)	3		1 Feet
✓ 110	Cracking (RC and Other)	at bents 2 and 3, bay 3 end diaphragms, spalls/delaminations (up to full length x full height) and cracks (up to 1/8 inch)	3		14 Feet
<b>√</b> 110	Cracking (RC and Other)	TRANSVERSE AND WRAPAROUND CRACKS UP TO 1/64 INCH, AT RANDOM THROUGHOUT.	2	12	Feet

**General Comments** 

Span 3

Beam 4

# **Reinforced Concrete Girder**

Eler Nur 110	ment nber Reinfor	Element Name rced Concrete Open Girder/Beam	Total Qty 57	<b>CS1</b> <b>Qty</b> 23	<b>CS2</b> Qty 18	<b>CS3</b> <b>Qty</b> 13	CS4 Qty 3 F	Feet
Elemer Numbe	nt Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
<b>V</b> 110	Exposed Rebar	(PAR) at bent 3, west face, (2) spalls/o (1 foot x 30 inch x 1 inch deep) with ex rebar (approximately 25 percent loss) to 1/32 inch)	lelaminations posed rusted and cracks (up		4	3	3	Feet
<b>v</b> 110	Cracking (RC and Other)	(PAR) West face at near end, delamin long x up to 9 inch high] with associate crack, delamination extends to right Ea of I-40 below	ation [11 foot ed 1/2 inch astbound lane		3	11	11	Feet
✓ 110	Delamination/Spall	EAST FACE OVER BENT 2. HAS A S ADJACENT DELAMINATED AREA 7 END OF BEAM. AREA IS: 10 INCH X INCH DEEP.	SPALL WITH INCH FROM 30 INCH X 1/2		3		2	Feet
<b>v</b> 110	Delamination/Spall	EAST FACE. HAS (2) AREAS THAT WITH REBAR EXPOSED. LOCATED FROM END OF BEAM OVER BENT 2 UP TO 8 INCH X 14 INCH X 3/4 INCH	ARE SPALLED 38 INCH AREAS ARE: 1 DEEP.		3	2	2	Feet
<b>v</b> 110	Cracking (RC and Other)	TRANSVERSE AND WRAPAROUND TO 1/64 INCH AT RANDOM THROUC	CRACKS UP GHOUT.		2	18		Feet

Span 3		Near B	earing 1					
Movable	Bearing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	e Bearing	1	0	0	1	0	Each
515	Steel Pi	rotective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect	Description		CS	CS Qty	Maint Qty	
✓ 311 Corr	osion	corrosion with section loss (u	ip to 1/16 inch loss)		3	1		1 Each

# ✓ 515 Effectiveness (Steel corrosion with section loss Protective Coatings)

Inspection Date: 08/09/2023

1 1 Square Feet

4

**General Comments** 

- Enoi	n 9	Eor Do	oring 1					
Spar	13	Far De	aring i					
Fixe	d Bearing							
Elen	nent	Element Neme	Total	CS1	CS2	CS3	CS4	
313	Fixed B	earing	<b>Giy</b> 1	0	0	1 1	0 Each	
515	Steel P	rotective Coating	1	0	0	0	1 Square	e Feet
Element	t Defect Type	Defect	Description		CS	CS Qty	Maint	
Number √ 313	Corrosion	corrosion with section loss (	up to 1/16 inch loss)		3	1	1 Eac	h
√ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1	1 Squ	are Feet
ī	General Comments							
Spai	n 3	Near E	Bearing 2					
Mov	able Bearing							
Elen	nent		Total	CS1	CS2	CS3	CS4	
Num	nber	Element Name	Qty	Qty	Qty	Qty	Qty	
311	Movabl	e Bearing	1	0	1	0	0 Each	_
515	Steel P	rotective Coating	1	0	0	0	1 Square	e Feet
Element Number	t Defect Type	Defect	Description		CS	CS Qty	Maint Qty	
<b>√</b> 311	Corrosion	surface rust/rust scale			2	1	Eac	h
✓ 515	Effectiveness (Steel Protective Coatings)	surface rust/rust scale			4	1	1 Squ	are Feet
Ċ	General Comments							
Spai	n 3	Far Be	earing 2					
Fixe	d Bearing							
Eler Num	nent iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	0	1	0 Each	
515	Steel P	rotective Coating	1	0	0	0	1 Square	e Feet
Element Number	t Defect Type	Defect	Description		CS	CS Qty	Maint Qty	
✓ 313	Corrosion	corrosion with section loss (	up to 1/16 inch loss)		3	1	1 Eac	h
✓ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1	1 Squ	are Feet
Ō	General Comments							

Structure Number: 110064

# Span 3 Movable Bearing

nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Movabl	e Bearing	1	0	0	1	0	Each
Steel P	rotective Coating	1	0	0	0	1	Square Feet
Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
Corrosion	corrosion with section loss [up to	1/16 inch loss]		3	1		1 Each
Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Fee
	hent Jber Movabl Steel P Defect Type Corrosion Effectiveness (Steel Protective Coatings)	Defect Type       Defect Des         Corrosion       corrosion with section loss [up to         Effectiveness (Steel Protective Coatings)       corrosion with section loss	Total Index     Total Qty       Index     Element Name     Qty       Movable Bearing     1       Steel Protective Coating     1       Defect Type     Defect Description       Corrosion     corrosion with section loss [up to 1/16 inch loss]       Effectiveness (Steel Protective Coatings)     corrosion with section loss	Total Inber     Total Qty     CS1 Qty       Movable Bearing     1     0       Steel Protective Coating     1     0       Defect Type     Defect Description       Corrosion     corrosion with section loss [up to 1/16 inch loss]       Effectiveness (Steel Protective Coatings)     corrosion with section loss	hent laberElement NameTotal QtyCS1 QtyCS2 QtyMovable Bearing100Steel Protective Coating100Defect TypeDefect DescriptionCSCorrosioncorrosion with section loss [up to 1/16 inch loss]3Effectiveness (Steel Protective Coatings)corrosion with section loss4	Total berCS1 QtyCS2 QtyCS3 QtyMovable Bearing1001Steel Protective Coating1000Defect TypeDefect DescriptionCS CS QtyCS QtyCorrosioncorrosion with section loss [up to 1/16 inch loss]31Effectiveness (Steel Protective Coatings)corrosion with section loss41	Total lberCS1 QtyCS2 QtyCS3 QtyCS4 

General Comments

Spa	in 3	Far Bearing	3					
Fixe	ed Bearing							
Ele: Nur	ment nber	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	0	1	Square Feet
Elemer Numbe	nt Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
<b>√</b> 313	Corrosion	surface rust/rust scale			2	1		Each
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	surface rust/rust scale			4	1	1	Square Feet
	General Comments							

Span 3

#### Near Bearing 4

# Movable Bearing

ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Movable	e Bearing	1	0	0	1	0	Each
Steel Pr	otective Coating	1	0	0	0	1	Square Feet
r Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
Corrosion	corrosion with section loss (up to	o 1/8 inch loss)		3	1	-	1 Each
Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
	ment nber Movable Steel Pr t r Defect Type Corrosion Effectiveness (Steel Protective Coatings)	ment mber Element Name Movable Bearing Steel Protective Coating Market Steel Protective Coating Market Steel Corrosion with section loss (up to Effectiveness (Steel corrosion with section loss Protective Coatings)	ment mber     Element Name     Total Qty       Movable Bearing     1       Steel Protective Coating     1       tr     Defect Type     Defect Description       Corrosion     corrosion with section loss (up to 1/8 inch loss)       Effectiveness (Steel Protective Coatings)     corrosion with section loss	ment nber     Element Name     Total Qty     CS1 Qty       Movable Bearing     1     0       Steel Protective Coating     1     0       tr     Defect Type     Defect Description       Corrosion     corrosion with section loss (up to 1/8 inch loss)       Effectiveness (Steel Protective Coatings)     corrosion with section loss	Total nber     CS1 Qty     CS2 Qty       Movable Bearing     1     0     0       Steel Protective Coating     1     0     0       tr     Defect Type     Defect Description     CS Corrosion       Corrosion     corrosion with section loss (up to 1/8 inch loss)     3       Effectiveness (Steel corrosion with section loss     4	ment mberElement NameTotal QtyCS1 QtyCS2 QtyCS3 QtyMovable Bearing1001Steel Protective Coating1000tr rDefect TypeDefect DescriptionCS CS CS QtyCorrosioncorrosion with section loss (up to 1/8 inch loss)31Effectiveness (Steel Protective Coatings)corrosion with section loss41	ment nberElement NameTotal QtyCS1 QtyCS2 QtyCS3 QtyCS4 QtyMovable Bearing10010Steel Protective Coating10001tr rDefect TypeDefect DescriptionCS CS CS QtyMaint QtyCorrosioncorrosion with section loss (up to 1/8 inch loss)31Effectiveness (Steel Protective Coatings)corrosion with section loss41

**General Comments** 

# Far Bearing 4

# Fixed Bearing

Span 3

Element Number		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	0	1	Square Feet
Element Number	Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
<b>313</b> Corro	osion	surface rust/rust scale			2	1		Each

✓ 515 Peeling/Bubbling/Crack surface rust/rust scale ing (steel Protective Coatings)

1 1 Square Feet

4

# **General Comments**

Spai Asp	Span 3 Wearing Surface Asphalt Wearing Surface								
Elen Num	nent iber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	quere Feet
Element Number	t Defect Type	Sunace	Defect Description	1,362	1,151	cs	CS Qty	Maint Qty	
<b>√</b> 510	Crack (Wearing Surface)	over bent 3, partiall inch x full width) wit inch x 1/2 inch deep	y sealed transverse crac h edge spalling (up to 2 b) with vegetation growt	ck (1/8 foot x 2 h		3	31	31	Square Feet
<b>√</b> 510	Crack (Wearing Surface)	WEARING SURFAU TRANSVERSE ANI TO 1/8 INCH	CE HAS SCATTERED D LONGITUDINAL CRA	ACKS UP		3	400	400	Square Feet

**General Comments** 

Span 4

Beam 1

#### **Reinforced Concrete Girder**

Eler Nur 110	ment nber Reinfor	Element Name rced Concrete Open Girder/Beam	Total Qty 57	<b>CS1</b> <b>Qty</b> 32	<b>CS2</b> <b>Qty</b> 16	<b>CS3</b> <b>Qty</b> 3	CS4 Qty 6	Feet
Elemer Numbe	nt Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
<b>v</b> 110	Exposed Rebar	(PAR) at bent 3, east face and undersi spalls/delaminations (up to 6 foot x 18 deep) with exposed rusted rebar (appr percent loss) and cracks (up to 1/16 in	de, inch x 2 inch oximately 25 ch)		4	6		6 Feet
<b>v</b> 110	Exposed Rebar	(PAR) at bents 3 and 4, bay 1 end diap spalls/delaminations (up to full length > up to 1.5 inch deep) with exposed rust (approximately 25 percent loss) and cr 1/8 inch) and rust stains	ohragms, k full height x ed rebar racks (up to		4			7 Feet
<b>V</b> 110	Patched Area	WEST FACE AND BOTTOM HAS A P (2.5 FOOT X 1.5 FOOT) WITH HAIRL CRACKING.	ATCHED AREA INE MAP		3	3	:	3 Feet
<b>√</b> 110	Cracking (RC and Other)	TRANSVERSE AND WRAPAROUND TO 1/64 INCH, AT RANDOM THROU	CRACKS UP GHOUT.		2	16		Feet
	General Comments							
Spa	ın 4	Beam 2						
Rei	nforced Concrete	Girder						

Element Number	E	lement Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Cor	ncrete Open Girder/Beam	57	44	12	1	0 Feet	
Element Number	Defect Type	Defect Description	n		CS	CS Qty	Maint Qty	

Structure	Number: 110064			Inspec	ction Da	ate: 08/09/2023
<b>√</b> 110	Exposed Rebar	(PAR) at bents 3 and 4, bay 2 end diaphragms, spalls/delaminations (up to full length x full height x up to 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch) with rust stains	4		14	Feet
<b>√</b> 110	Delamination/Spall	BOTTOM OF BEAM 2 OVER BENT 4. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR EXPOSED. AREA IS: 8 INCH X FULL WIDTH X 1/2 INCH DEEP [NO LOSS NOTED]	3	1	1	Feet
<b>√</b> 110	Cracking (RC and Other)	TRANSVERSE AND WRAPAROUND CRACKS UP TO 1/64 INCH, AT RANDOM THROUGHOUT.	2	12		Feet
	General Comments					

Span 4

Beam 3

# **Reinforced Concrete Girder**

Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	57	38	17	2	0 F	eet
Elemen <sup>:</sup> Number	t r Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	
<b>V</b> 110	Cracking (RC and Other)	SPAN 4 BEAM 3 WEST FACE OVER A AREA THAT IS CRACKED (UP TO AND DELAMINATED. AREA IS: (11 IN INCH)	BENT 4. HAS 1/16 INCH) ICH X 31		3	2	2	Feet
<b>√</b> 110	Cracking (RC and Other)	UP TO FULL LENGTH X 1/8 INCH LO CRACKS, IN BENTS 3 AND 4 END DI AT RANDOM THROUGHOUT.	NGITUDINAL APHRAGMS,		3		14	Feet
<b>v</b> 110	Cracking (RC and Other)	near bent 3, west and east faces, longi (up to 1/32 inch x 2 foot)	tudinal cracks		2	2		Feet
✓ 110	Cracking (RC and Other)	TRANSVERSE AND WRAPAROUND TO 1/64 INCH, AT RANDOM THROUC	CRACKS UP GHOUT.		2	15		Feet

**General Comments** 

# Span 4

Beam 4

# **Reinforced Concrete Girder**

Elen Num	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	57	27	20	6	4	Feet
Element Number	t Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty	
V 110	Exposed Rebar	(PAR) at bent 3, east face, spall/delan inch x 43 inch x 1 inch deep) with exp rebar (approximately 25 percent loss) to 1/32 inch)	nination (43 osed rusted and cracks (up		4	4	2	4 Feet
✓ 110	Cracking (RC and Other)	East face over bent 4, vertical crack [f to 1/8 inch]	ull height x up		3		1	1 Feet
<b>V</b> 110	Delamination/Spall	EAST FACE AND BOTTOM OVER W RIGHT LANE. (2) 8 INCH LONG X 6 INCH DEEP SPALLS IN MID-SPAN F PREVIOUS IMPACT DAMAGE.	EST BOUND INCH X 1.5 ROM		3	2	2	2 Feet
✓ 110	Delamination/Spall	West face over bent 4, delamination/s foot] with map cracks (up to 1/32 inch)	pall [1 foot x 2 )		3	1	1	1 Feet
<b>√</b> 110	Efflorescence/Rust Staining	(PAR) AT BENT 3, (2) UP TO 7 FOO LONGITUDINAL CRACKS, ON BOTT FACES WITH EFFLORESCENCE AN	T X 1/32 INCH OM AND WEST ID RUST STAIN		3	3	7	7 Feet

Structure N	Number: <u>110064</u>		Inspec	tion Date: 08/09/2023	
✓ 110	Cracking (RC and Other)	TRANSVERSE AND WRAPAROUND CRACKS UP TO 1/64 INCH, AT RANDOM THROUGHOUT.	2	20	Feet
✓ 110	Damage	east face and underside over westbound right lane, impact damage	2		Feet

**General Comments** 

Spa	an 4		Near Bearing 1						
Мо	vable Bearing								
Ele Nu	ement mber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	e Bearing		1	0	1	0	0 6	Each
515	Steel P	rotective Coating		1	0	0	0	1 \$	Square Feet
Elemer	nt er Defect Type		Defect Description			CS	CS Qty	Maint Qty	
<mark>√</mark> 311	Corrosion	RUST SCALE				2	1	-	Each
✓ 515	Effectiveness (Steel Protective Coatings)	rust scale				4	1	1	Square Feet
	General Comments								

Spa	n 4	Far Bearin	ig 1					
Fixe	ed Bearing							
Eler Nur	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	t r Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
<b>√</b> 313	Corrosion	corrosion with section loss [up to	1/8 inch loss]		3	1	-	1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
-	General Comments							

General Comments

# Span 4

# Near Bearing 2

**Movable Bearing** 

Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movab	le Bearing	1	0	0	1	0	Each
515	Steel F	Protective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	t r Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
✓ 311	Corrosion	corrosion with section loss (up to 1	/16 inch loss)		3	1		1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
-	General Comments							

# Span 4

IVOd	Doorin	-
	Dearm	
INCOM	Doaini	-

Elen Num	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect De	scription		CS	CS Qty	Maint Qty	
313	Corrosion	corrosion with section loss (up to	o 1/16 inch deep)		3	1		1 Each
·] 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Fee

General Comments

Span 4	
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**Near Bearing 3** 

#### **Movable Bearing**

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#### CS4 Element Total CS1 CS2 CS3 Number **Element Name** Qty Qty Qty Qty Qty 311 Movable Bearing 0 Each 0 0 1 1 515 **Steel Protective Coating** 0 0 0 1 1 Square Feet Maint Element Defect Type **Defect Description** CS CS Qty Number Qty corrosion with section loss (up to 1/8 inch loss) 3 🗸 311 Corrosion 1 1 Each ✓ 515 Effectiveness (Steel corrosion with section loss 4 1 1 Square Feet Protective Coatings) **General Comments**

Span 4

#### Far Bearing 3

## **Fixed Bearing**

Ele: Nur	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed	Bearing	1	0	0	1	0	Each
515	Steel I	Protective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	nt Defect Type	Defect Desc	cription		CS	CS Qty	Maint Qty	
<mark>√</mark> 313	Corrosion	corrosion with section loss [up to	1/16 inch loss]		3	1		1 Each
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet

**General Comments** 

#### Span 4

#### **Near Bearing 4**

# **Movable Bearing**

Element Number 311	Movab	Element Name e Bearing		Total Qty 1	<b>CS1</b> <b>Qty</b> 0	CS2 Qty 1	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0	Each
515	Steel P	rotective Coating		1	0	0	0	1	Square Feet
Element Number	Defect Type	Def	fect Description			CS	CS Qty	Maint Qty	
<b>√</b> 311 Corre	osion	surface rust/rust scale				2	1		Each

✓ 515 Peeling/Bubbling/Crack surface rust/rust scale ing (steel Protective Coatings)

|--|

1 1 Square Feet

4

#### General Comments

Spa	n 4		Far Bearin	g 4					
Fixe	ed Bearing								
Eler Nur 313	nent nber	Fixed Be	Element Name	Total Qty 1	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	ach
515		Steel Pro	tective Coating	1	0	0	0	1 5	quare Feet
Elemen Numbe	r Defect	Туре	Defect Desc	cription		CS	CS Qty	Maint Qty	
✓ 313	Corrosion		corrosion with section loss [up to	1/16 inch loss]		3	1	1	Each
✓ 515	Effectivenes Protective C	s (Steel patings)	corrosion with section loss			4	1	1	Square Feet
	General Com	ments							
Spa	n 4		Route Mar	ker Sign					
Oth	er warning	sign							
Eler Nur 603	nent nber	Other Wa	Element Name	Total Qty 1	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> <b>Qty</b> 0	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 1 E	ach

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<b>√</b> 603	General Condition	(PAR) route sign, missing	4	1	Each	

**General Comments** 

Spa	n 4	Wearing S	urface					
Asp	halt Wearing Surfa	ace						
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	Surface	1,582	1,151	0	431	0 S	quare Feet
Elemen Number	t r Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
<mark>√</mark> 510	Crack (Wearing Surface)	over bent 4, partially sealed trans inch x full width) with edge spallir inch x 1/2 inch deep) with vegeta	verse crack (1/8 ig (up to 2 foot x 2 tion growth		3	31	31	Square Feet
<b>√</b> 510	Crack (Wearing Surface)	WEARING SURFACE HAS SCA TRANSVERSE AND LONGITUD TO 1/8 INCH	TTERED INAL CRACKS UP		3	400	400	Square Feet

**General Comments** 

#### Span 5

## **Concrete Railing**

Elen Nun 331	nent nber	Reinfor	Element Name ced Concrete Bridge Railing	Total Qty 53	<b>CS1</b> Qty 52	<b>CS2</b> <b>Qty</b> 0	<b>CS3</b> <b>Qty</b> 1	<b>CS4</b> <b>Qty</b> 0 F	eet
Element Number	t r Defe	ct Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
✓ 331	Patched A	rea	at far end of right sidewalk, partially inch x 16 inch]	sound patch [14		3	1	1	Square Feet

General Comments

# Span 5

Beam 1

#### **Reinforced Concrete Girder**

Elen Nurr	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	52	28	20	4	0 F	eet
Element Number	t Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
∕ 110	Delamination/Spall	4 FOOT X 10 INCH X 1/2 INCH DEEP PATCH WITH EXPOSED REINFORC DIAPHRAGM, BAY 1.	P FAILED ING, IN BENT 4		3	1	4	Feet
∕ 110	Delamination/Spall	at bent 4, underside, (2) spalls/delamir x 3 inch x 1/2 inch deep) with exposed	nations (1 foot I rusted rebar		3	1	1	Feet
7 110	Patched Area	WEST FACE AT BENT 4 HAS A PAT( FOOT X FULL HEIGHT) THAT IS CRA 1/32 INCH)	CHED AREA (2 ACKED (UP TO		3	2	2	Feet
∕ 110	Cracking (RC and Other)	TRANSVERSE AND WRAPAROUND TO 1/64 INCH, AT RANDOM THROU	CRACKS UP GHOUT.		2	20		Feet

**General Comments** 

# Span 5

Beam 2

## **Reinforced Concrete Girder**

Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Re	inforced Concrete Open Girder/Beam	52	34	18	0	0 Feet
Element Number	t Defect Typ	e Defect Description	on		CS	CS Qty	Maint Qty
✓ 110	Cracking (RC an Other)	d TRANSVERSE AND WRAPAROUND ( TO 1/64 INCH, AT RANDOM THROUG	CRACKS UP HOUT.		2	18	Feet

General Comments

# Span 5

Beam 3

## **Reinforced Concrete Girder**

Elen Nurr	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	52	38	12	1	1	Feet
Element Number	t Defect Type	Defect Descripti	ion		CS	CS Qty	Maint Qty	
<b>V</b> 110	Exposed Rebar	(PAR) at bent 4, west face, spall/delar inch x 2 foot x 4 inch deep) with expos rebar (approximately 25 percent loss)	mination (5 sed rusted		4	1	1	Feet

Structure N	Number: <u>110064</u>			Inspe	ction Date: 08/09/2	<u>2023</u>
✓ 110	Delamination/Spall	East face over bent 4, delamination [16 inch x 8 inch] with cracks (up to 1/8 inch)	3		Feet	
<b>v</b> 110	Patched Area	4 FOOT X 8 INCH X 8 INCH CRACKED PATCHED AREA, IN BENT 4 DIAPHRAGM, BAY 3.	3	1	4 Feet	
✓ 110	Cracking (RC and Other)	TRANSVERSE AND WRAPAROUND CRACKS UP TO 1/64 INCH AT RANDOM THROUGHOUT.	2	12	Feet	_

**General Comments** 

# Span 5

Beam 4

## Reinforced Concrete Girder

er	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Reinfor	ced Concrete Open Girder/Beam	52	18	25	3	6	Feet
Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	
xposed Rebar	(PAR) at bent 4, west face and undersi spall/delamination (6 foot x full width x 1.5 inch deep) with exposed rusted ref (approximately 25 percent loss)	ide, up to 6 inch x bar		4	6	e	6 Feet
Patched Area	2023 previously repaired with patch (3. foot) with map cracks (up to 1/32 inch) noted as: lower East face at 12 foot fro spall [40 inch long x 26 inch high x up with exposed primary rebar and stirrup on rebar [up to 1/16 inch]	5 foot x 2.5 , previously m end bent 2, 5 inch deep] s, section loss		3	3	3	3 Feet
Cracking (RC and Other)	TRANSVERSE AND WRAPAROUND TO 1/64 INCH AT RANDOM THROUG	CRACKS UP HOUT.		2	25		Feet
	nt er Reinfor Defect Type Exposed Rebar Patched Area	nt er       Element Name         Reinforced Concrete Open Girder/Beam         Defect Type       Defect Description         ixposed Rebar       (PAR) at bent 4, west face and unders spall/delamination (6 foot x full width x 1.5 inch deep) with exposed rusted re (approximately 25 percent loss)         Patched Area       2023 previously repaired with patch (3 foot) with map cracks (up to 1/32 inch) noted as: lower East face at 12 foot from spall [40 inch long x 26 inch high x up with exposed primary rebar and stirrup on rebar [up to 1/16 inch]         Cracking (RC and there)       TRANSVERSE AND WRAPAROUND TO 1/64 INCH AT RANDOM THROUGH	Inter     Total Qty       er     Element Name     Qty       Reinforced Concrete Open Girder/Beam     52       Defect Type     Defect Description       ixposed Rebar     (PAR) at bent 4, west face and underside, spall/delamination (6 foot x full width x up to 6 inch x 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss)       Patched Area     2023 previously repaired with patch (3.5 foot x 2.5 foot) with map cracks (up to 1/32 inch), previously noted as: lower East face at 12 foot from end bent 2, spall [40 inch long x 26 inch high x up 5 inch deep] with exposed primary rebar and stirrups, section loss on rebar [up to 1/16 inch]       Gracking (RC and Uther)     TRANSVERSE AND WRAPAROUND CRACKS UP TO 1/64 INCH AT RANDOM THROUGHOUT	nt er       Total Element Name       Total Qty       CS1 Qty         Reinforced Concrete Open Girder/Beam       52       18         Defect Type       Defect Description         ixposed Rebar       (PAR) at bent 4, west face and underside, spall/delamination (6 foot x full width x up to 6 inch x 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss)       2023 previously repaired with patch (3.5 foot x 2.5 foot) with map cracks (up to 1/32 inch), previously noted as: lower East face at 12 foot from end bent 2, spall [40 inch long x 26 inch high x up 5 inch deep] with exposed primary rebar and stirrups, section loss on rebar [up to 1/16 inch]         Gracking (RC and Uther)       TRANSVERSE AND WRAPAROUND CRACKS UP TO 1/64 INCH AT RANDOM THROUGHOUT	nt er       Total Element Name       Total Qty       CS1 Qty       CS2 Qty       CS2 Qty         Reinforced Concrete Open Girder/Beam       52       18       25         Defect Type       Defect Description       CS         ixposed Rebar       (PAR) at bent 4, west face and underside, spall/delamination (6 foot x full width x up to 6 inch x 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss)       4         Patched Area       2023 previously repaired with patch (3.5 foot x 2.5 foot) with map cracks (up to 1/32 inch), previously noted as: lower East face at 12 foot from end bent 2, spall [40 inch long x 26 inch high x up 5 inch deep] with exposed primary rebar and stirrups, section loss on rebar [up to 1/16 inch]       3         Cracking (RC and ther)       TRANSVERSE AND WRAPAROUND CRACKS UP TO 1/64 INCH AT RANDOM THROUGHOUT       2	nt erTotal Element NameCS1 QtyCS2 QtyCS2 QtyCS3 QtyReinforced Concrete Open Girder/Beam5218253Defect TypeDefect DescriptionCSCS Qtyixposed Rebar(PAR) at bent 4, west face and underside, spall/delamination (6 foot x full width x up to 6 inch x 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss)46Patched Area2023 previously repaired with patch (3.5 foot x 2.5 foot) with map cracks (up to 1/32 inch), previously noted as: lower East face at 12 foot from end bent 2, spall [40 inch long x 26 inch high x up 5 inch deep] with exposed primary rebar and stirrups, section loss on rebar [up to 1/16 inch]33Cracking (RC and ther)TRANSVERSE AND WRAPAROUND CRACKS UP TO 1/64 INCH AT RANDOM THROUGHOUT.225	nt erTotal QtyCS1 QtyCS2 QtyCS3 QtyCS4 QtyReinforced Concrete Open Girder/Beam52182536Defect TypeDefect DescriptionCSCS QtyMaint Qtyixposed Rebar(PAR) at bent 4, west face and underside, spall/delamination (6 foot x full width x up to 6 inch x 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss)466Patched Area2023 previously repaired with patch (3.5 foot x 2.5 foot) with map cracks (up to 1/32 inch), previously noted as: lower East face at 12 foot from end bent 2, spall [40 inch long x 26 inch high x up 5 inch deep] with exposed primary rebar and stirrups, section loss on rebar [up to 1/16 inch]333Cracking (RC and then)TRANSVERSE AND WRAPAROUND CRACKS UP TO 1/64 INCH AT RANDOM THROUGHOUT.225

# Span 5

Near Bearing 1

# **Movable Bearing**

Elem Num	lent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movat	ble Bearing	1	0	0	1	0	Each
515	Steel I	Protective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect De	scription		CS	CS Qty	Maint Qty	
311	Corrosion	corrosion with section loss [up to	o 1/8 inch loss]		3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet

**General Comments** 

# Span 5

# Far Bearing 1

#### Fixed Bearing

Element Number		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	0	1 Square Fee	t
Element Number	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
✓ 313 Corro	osion	rust scale				2	1	Each	

 

 ✓ 515
 Effectiveness (Steel Protective Coatings)
 rust scale

 General Comments
 Figure 1

 Inspection Date: 08/09/2023 1 1 Square Feet

4

Span 5

Near	Bearing	2
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Mo	vable Bearing							
Ele Nu	ement mber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable	e Bearing		1	0	1	0	0 Each
515	Steel Pr	rotective Coating		1	0	0	0	1 Square Feet
Eleme Numbe	nt er Defect Type		Defect Description			CS	CS Qty	Maint Qty
<b>√</b> 311	Corrosion	rust scale				2	1	Each
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	rust scale				4	1	1 Square Feet
	General Comments							

Spa	an 5		Far Bearing 2						
Fixe	ed Bearing								
Ele Nui	ment mber	Element Name		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
Elemer Numbe	nt Defect Type		Defect Description			CS	CS Qty	Maint Qty	
<b>√</b> 313	Corrosion	SURFACE RUST				2	1		Each
✓ 515	Effectiveness (Stee Protective Coatings	l surface rust				3	1		1 Square Feet
	<b>General Comments</b>								

Spa	n 5	Near Bear	ring 3					
Mov	able Bearing							
Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	e Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemen Number	t r Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
<mark>√</mark> 311	Corrosion	corrosion with section loss [up to	0 1/16 inch loss]		3	1	-	1 Each
✓ 515	Effectiveness (Steel Protective Coatings)	corrosion with section loss			4	1		1 Square Feet
	General Comments							

# Span 5

Fixe	ed Bearing								
Ele: Nur	ment nber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed I	Bearing		1	0	1	0	0 Each	
515	Steel F	Protective Coating		1	0	0	1	0 Square Feet	
Elemen Numbe	nt Pr Defect Type		Defect Description			CS	CS Qty	Maint Qty	
<b>√</b> 313	Corrosion	SURFACE RUST				2	1	Each	
<b>√</b> 515	Effectiveness (Steel Protective Coatings)	surface rust				3	1	1 Square Fee	et
	General Comments								

Span 5

#### **Near Bearing 4**

#### **Movable Bearing** CS4 Element Total CS1 CS2 CS3 Number **Element Name** Qty Qty Qty Qty Qty 311 Movable Bearing 0 Each 0 0 1 1 515 **Steel Protective Coating** 0 0 0 1 1 Square Feet Maint Element Defect Type **Defect Description** CS CS Qty Number Qty corrosion with section loss [up to 1/8 inch loss] 3 🗸 311 Corrosion 1 1 Each ✓ 515 Effectiveness (Steel corrosion with section loss 4 1 1 Square Feet Protective Coatings)

**General Comments** 

Span 5

#### Far Bearing 4

**Fixed Bearing** 

Eler Nun	nent nber	Element Name	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
Elemen Numbe	t r Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
<b>√</b> 313	Corrosion	corrosion with section loss [up to	3/16 inch loss]		3	1	-	1 Each
✓ 515	Effectiveness (Stee Protective Coatings	l corrosion with section loss			4	1		1 Square Feet
-								

**General Comments** 

## Span 5

#### Wearing Surface

## Asphalt Wearing Surface

Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing	Surface	1,470	1,239	0	231	0 Square Feet
Element Number	t Defect Type	Defect Description	on		CS	CS Qty	Maint Qty
<mark>√</mark> 510	Crack (Wearing Surface)	30 FOOT X UP TO 1/4 INCH TRANSVI OVER END BENT 2.	ERSE CRACK	(	3	31	31 Square Feet

Structure Number: 110064

<b>√</b> 510	Crack (Wearing Surface)	

WEARING SURFACE HAS SCATTERED TRANSVERSE AND LONGITUDINAL CRACKS UP TO 1/8 INCH Inspection Date: 08/09/2023

200 200 Square Feet

3

2

1

1

3 Feet

Feet

Feet

#### General Comments

Delamination/Spall

Cracking (RC and

Delamination/Spall

Other)

✓ 234

✓ 234

✓ 234

End	Bent 1	Abutment						
Rein	forced Concrete	Abutment						
Elen Num	nent hber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinfol	ced Concrete Abutment	45	45	0	0	0 Feet	
Element Number	t Defect Type	Defect Descriptio	n		CS	CS Qty	Maint Qty	
215	Cracking (RC and Other)	DEFECT NOT FOUND 8-21-2019			1		Fe	ət
Ō	General Comments							
End	Bent 1	Cap 1						
Rein	forced Concrete	Pier Cap						
Flor	nent	•	Total	CS1	652	093	CS4	
Num	hber	Element Name	Qty	Qty	Qty	Qty	Qty	
234	Reinfor	ced Concrete Pier Cap	40	40	0	0	0 Feet	
Element Number	t Defect Type	Defect Descriptio	n		cs	CS Qty	Maint Qtv	
234	Cracking (RC and Other)	DEFECT NOT FOUND 8-21-2019			1		Fe	ət
Ō	General Comments							
Bent	t 1	Cap 1						
Rein	forced Concrete	Pier Cap						
Elen	nent		Total	CS1	CS2	CS3	CS4	
Num	nber	Element Name	Qty	Qty	Qty	Qty	Qty	
234	Reinfo	rced Concrete Pier Cap	32	3	0	0	29 Feet	
Element Number	t Defect Type	Defect Descriptio	n		CS	CS Qty	Maint Qty	
<b>√</b> 234	Exposed Rebar	(PAR) along north and south faces, multiple spalls/delaminations (up to 16 foot x full height x 2.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (1/8 inch) at random			4	28	28 Fe	ət
<mark>√</mark> 234	Exposed Rebar	(PAR) east face, spall/delamination (12 x 1 inch deep) with exposed rusted reb	inch x 6 inch ar		4	1	1 Fe	et

(approximately 25 percent loss)

underside of cap near column 2, (2) spall/delamination (2 foot x 16 inch x 1/2 inch deep) with cracks (up to 1/16 inch)

North faces under bay 1., multiple horizontal cracks [up to 8 foot x 1/32 inch]

(combined with other notes 2023) at South and

(combined with other notes 2023) at Southwest

corner, delamination [10 inch x 20 inch]

Structure I	Number: <u>110064</u>			Inspection Date: 08/09/2023
<b>√</b> 234	Delamination/Spall	(COMBINED WITH OTHER NOTES 2023) BENT 1 CAP SOUTH FACE HAS A CRACK AND DELAMINATED AREA WITH SOME SCATTERED SPALLS UP TO 1/2 INCH DEEP. AREA BEGINS: MID-BAY 2 AND EXTENDS TO MID-BAY 3. AREA IS: FROM TOP EDGE DOWN 9 INCH UP TO 42 INCH X 115 INCH.	1	Feet
✓ 234	Delamination/Spall	(COMBINED WITH OTHER NOTES 2023) BENT 1 CAP SOUTH FACE UNDER BEAM 2. HAS A CRACKED UP TO 1/32 INCH AND DELAMINATED AREA. AREA IS: 18 INCH X 23 INCH	1	Feet
✓ 234	Delamination/Spall	(COMBINED WITH OTHER NOTES 2023) BENT 1 CAP SOUTH FACE UNDER BEAM 4. HAS A CRACK AND DELAMINATED AREA. AREA IS: 24 INCH X 40 INCH	1	Feet

**General Comments** 

Bent 1

Pile 1

## **Reinforced Concrete Column**

Elen Nun 205	<b>nent</b> nber Reinfor	Element Name ced Concrete Column	Total Qty 1	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> <b>Qty</b> 0	<b>CS3</b> <b>Qty</b> 1	CS4 Qty 0 Each	
Elemen Number	t Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
<mark>√</mark> 205	Cracking (RC and Other)	northwest, northeast and southw delaminations (up to full height x cracks (up to 1/8 inch)	est corners, 16 inch) with		3	1	1 Each	า
<mark>√</mark> 205	Cracking (RC and Other)	along column, vertical cracks (up to 1/32 inch x full height) at random			2		Each	า
205	Cracking (RC and Other)	DUPLICATE DEFECT 8-21-2019	)		1		Each	า

**General Comments** 

# Bent 1

Pile 2

#### **Reinforced Concrete Column**

Element	Element Name	Total	CS1	CS2	CS3	CS4
Number		Qty	Qty	Qty	Qty	Qty
205	Reinforced Concrete Column	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<mark>√</mark> 205	Cracking (RC and Other)	at Southwest corner, delamination [full height x 12 inch] with cracks (up to 1/8 inch)	3	1	1 Each	
<mark>√</mark> 205	Cracking (RC and Other)	UP TO 4 FOOT X UP TO 1/32 INCH VERTICAL CRACKS, AT RANDOM THROUGHOUT.	2		Each	
<b>√</b> 205	Cracking (RC and Other)	(combined with other notes 2023) North face under haunch, area of hairline map cracking [18 inch x full width]	1		Each	

**General Comments**
Structure Number: 110064

## End Bent 2

## **Reinforced Concrete Abutment**

Elem Num	ent ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
215	Reinfor	ced Concrete Abutment	45	45	0	0	0 Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty
215	Cracking (RC and Other)	DEFECT NOT FOUND 8-21-2019			1		Feet

**General Comments** 

# End Bent 2

Cap 1

Abutment

# **Reinforced Concrete Pier Cap**

Element Number 234 Reir		Element Name ced Concrete Pier Cap	Total Qty 40	<b>CS1</b> Qty 27	<b>CS2</b> <b>Qty</b> 0	CS3 Qty 3	<b>CS4</b> Qty 10 F	eet
Elemer Numbe	it r Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
<b>√</b> 234	Exposed Rebar	(PAR) top of South face at bay 3, spall/delamination [10 foot x full height x full width x up to 3 inch deep] with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/18 inch)			4	10	10	Feet
<mark>√</mark> 234	Cracking (RC and Other)	in bay 1, horizontal crack (1/8 inc	ch x 2.5 foot)		3	3	3	Feet
	General Comments							

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Bent 2

Cap 1

# **Reinforced Concrete Pier Cap**

Element Number 234 Reinford		Tota Element Name Qt forced Concrete Pier Cap 3		Total     Total     O       Element Name     Qty     1       Reinforced Concrete Pier Cap     32       Defect Type     Defect Description		<b>CS1</b> <b>Qty</b> 9	<b>CS2</b> <b>Qty</b> 0	<b>CS3</b> <b>Qty</b> 1	<b>CS4</b> Qty 22 F	eet
Element Number	Defect Type		cs			CS Qty	Maint Qty			
<b>√</b> 234	Exposed Rebar	(PAR) South face at East end, spall/de inch long x up to full height x up to 3 ir exposed rusted rebar and stirrups [reb stirrups with approximately 25 percent cracks [up to 1/8 inch]	elamination [84 hch deep] with bar and loss] and		4	8	8	Feet		
✓ 234	Exposed Rebar	(PAR) underside of cap between colun spall/delamination [14 foot long x full w inch deep] that extends onto south fac with exposed rusted rebar and stirrups approximately 25 percent loss; stirrups percent loss]	nns, vidth x up to 4 e [13 inch] s [rebars with s up to 100		4	14	14	Feet		
<b>√</b> 234	Delamination/Spall	9 INCH X 12 INCH X 2 INCH DEEP SI EXPOSED REINFORCING ON NORT CORNER, NO LOSS NOTED ON REE	PALL WITH HEAST BAR		3		1	Feet		
<mark>√</mark> 234	Efflorescence/Rust Staining	(PAR) (2)- UP TO 10 FOOT X 1/16 IN HORIZONTAL CRACKS WITH RUST SOUTH FACE, UNDER BAYS 2 AND	CH STAINS, 3.		3		10	Feet		
<b>√</b> 234	Efflorescence/Rust Staining	(PAR) southwest corner, spall/delamin x 6 inch x 1 inch deep) with exposed ru and adjacent map cracks (up to 1/32 ir stains	ation (18 inch usted rebar nch) with rust		3	1	1	Feet		

Structure	Number: <u>110064</u>			Inspection Date: 08/09/2023
<b>√</b> 234	Delamination/Spall	(COMBINED WITH OTHER NOTES 2023) LOWER SOUTH FACE BETWEEN COLUMNS, SPALL/DELAMINATION [14 FOOT LONG X UP TO 15 FOOT HIGH X UP TO 2 INCH DEEP] WITH EXPOSED PRIMARY REBAR AND STIRRUPS, SECTION LOSS ON PRIMARY REBAR [UP TO 1/8 INCH] AND LOSS ON STIRRUPS [UP TO 50 PERCENT]	1	Feet
234	Delamination/Spall	DUPLICATE DEFECT 8-21-2019	1	Feet

**General Comments** 

# Bent 2

Pile 1

# **Reinforced Concrete Column**

Eler Nun 205	<b>nent</b> nber Reinforc	Element Name ed Concrete Column	Total Qty 1	<b>CS1</b> Qty 0	CS2 Qty 1	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 Each
Elemen Numbe	r Defect Type	Defect Dese	cription		CS	CS Qty	Maint Qty
<b>√</b> 205	Cracking (RC and Other)	UP TO 4 FOOT X UP TO 1/32 IN CRACKS, AT RANDOM THROU	CH VERTICAL GHOUT.		2	1	Each

**General Comments** 

# Bent 2

Pile 2

#### **Reinforced Concrete Column**

Element Number 205 Reinfor		Element Name ced Concrete Column	Total Qty 1	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> <b>Qty</b> 0	<b>CS3</b> Qty 1	CS4 Qty 0	Each
Elemen Numbe	t r Defect Type	Defect D	escription		CS	CS Qty	Maint Qty	
<mark>√</mark> 205	Cracking (RC and Other)	UP TO 5 FOOT X UP TO 1/16 CRACKS, AT RANDOM THRO BEGINNING AT BOTTOM OF	INCH VERTICAL DUGHOUT, CAP.		3	1	1	Each
<b>√</b> 205	Delamination/Spall	Southeast corner at corbel, de 20 inch] with cracks [up to 1/16	lamination [54 inch x 6 inch]		2		4	Each

**General Comments** 

Bent 3

Cap 1

# **Reinforced Concrete Pier Cap**

Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinford	ed Concrete Pier Cap	32	22	0	10	0 F	eet
Elemen <sup>:</sup> Number	t r Defect Type	Defect Description	1		CS	CS Qty	Maint Qty	
<b>√</b> 234	Efflorescence/Rust Staining	(PAR) BENT 3 CAP HAS SCATTERED TO 1/16 INCH SOME WITH ADJACENT DELAMINATION (UP TO 7 FOOT X 1.5 RUST STAINS.	FOOT) AND		3	10	10	Feet
<b>V</b> 234	Delamination/Spall	(combined with other notes 2023) at bott of South face below beam 3, delamination inch] with rust stain	om corner on [7 foot x 8		1			Feet
✓ 234	Delamination/Spall	(combined with other notes 2023) at top South face below beam 3, delamination inch]	corner of [3 foot x 6		1			Feet

## **General Comments**

Dein	formed Compress	Caluma						
Rein	norcea Concrete	Column						
Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205 Reinforced Concrete Column		rced Concrete Column	1		0 0	1	0 6	Each
lement	t Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
205	Cracking (RC and Other)	UP TO 5 FOOT X UP TO 1/16 IN CRACKS, AT RANDOM THROU	ICH VERTICAL IGHOUT.		3		1	Each
205	Exposed Rebar	(PAR) 6 INCH DIAMETER X 1/2 EXPOSED REINFORCING (APF PERCENT LOSS) ON EAST FA GROUNDLINE.	INCH SPALL WITH PROXIMATELY 10 CE NEAR		3	1	1	Each

General Comments

Bent 3		Pile 2						
Rei	nforced Concrete	e Column						
Ele: Nur	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	rced Concrete Column	1	0	1	0	0 Each	
Elemen Numbe	r Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
<b>√</b> 205	Cracking (RC and Other)	UP TO 8 FOOT X UP TO 1/32 IN CRACKS, AT RANDOM THROU	ICH VERTICAL IGHOUT.		2	1	Each	_

**General Comments** 

Bent 4

# Cap 1

# **Reinforced Concrete Pier Cap**

Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty		
234	Reinford	ed Concrete Pier Cap 32		2	2	28	0 F	eet	
Element Number	t Defect Type	Defect Description	on		CS	CS Qty	Maint Qty		
<b>√</b> 234	Cracking (RC and Other)	BENT 4 CAP HAS SCATTERED VERT LONGITUDINAL CRACKS UP TO 1/16	FICAL AND S INCH		3	15	15	Feet	
<b>√</b> 234	Efflorescence/Rust Staining	(PAR) underside of cap between colum longitudinal cracks (up to 1/16 inch x 4 with rust stains and adjacent delaminat foot x full width)	nns 1 and 2, foot) some ions (up to 8		3	10	10	Feet	
<mark>√</mark> 234	Efflorescence/Rust Staining	(PAR) west face at bottom corner, map 1/32 inch) with rust stains	cracks (up to		3	1	1	Feet	
<mark>√</mark> 234	Patched Area	2 FOOT X 2 FOOT UNSOUND PATCH FACE, UNDER BAY 3.	I, NORTH		3	2	2	Feet	
<b>√</b> 234	Patched Area	WEST FACE HAS A PATCHED AREA FOOT) WITH HAIRLINE MAP CRACKI APPEARS TO BE SOUND.	(3 FOOT X 2 ING. PATCH		3		3	Feet	
<b>v</b> 234	Delamination/Spall	NORTH FACE BAY 2. HAS A CRACK DELAMINATED AREA [UP TO FULL F FOOT]	ED AND IEIGHT X 5.5		2		6	Feet	
<mark>√</mark> 234	Delamination/Spall	North face of cap under beam 1, delam inch x 18 inch]	ination [14		2	1	1	Feet	

Structure I	Number: <u>110064</u>			Inspe	ction Date: 08/09/2023
✓ 234	Delamination/Spall	North face under bay 3, delamination [14 inch x 15 inch]	2	1	1 Feet
234	Delamination/Spall	(not found 2023) North face under beam 4, delamination/spall [up to 15 inch x 17 inch x 1/4 inch deep]	1		Feet

#### **General Comments**

Ben	Bent 4							
Rein	nforced Concrete	Column						
Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	1	0 Each	
Element Number	t Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	_
<b>√</b> 205	Cracking (RC and Other)	UP TO 10 FOOT X UP TO 1/16 CRACKS AT RANDOM THROU	INCH VERTICAL		3	1	1 Each	ſ

**General Comments** 

Ben	it 4	Pile 2						
Rei	nforced Concrete	e Column						
Ele: Nur	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfo	Reinforced Concrete Column		0	1	0	0 Each	۱
Element Number Defect Type		Defect Des	scription		CS	CS Qty	Maint Qty	
<b>√</b> 205	Cracking (RC and Other)	UP TO 4 FOOT X UP TO 1/32 IN CRACKS, AT RANDOM THROL	NCH VERTICAL JGHOUT.		2	1	Ea	ach

**General Comments** 

# **Elements Verfied**

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1134
Span 1	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	35
Span 1	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	35
Span 1	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	35
Span 1	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	35
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	36
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	36
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1008
Span 1	Near Bearing 1	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing 1	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing 2	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing 2	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing 3	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing 3	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing 4	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing 4	Fixed Bearing	Fixed Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1134
Span 2	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	36
Span 2	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	36
Span 2	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	36
Span 2	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	36
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	36
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	36
Span 2	Bent 1 Expansion Joint	Standard Joint	Pourable Joint Seal	31
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1008
Span 2	Near Bearing 1	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing 1	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing 2	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing 2	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing 3	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing 3	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing 4	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing 4	Movable Bearing	Movable Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1780
Span 3	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 3	Bent 2 Expansion Joint	Standard Joint	Pourable Joint Seal	31
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1582
Span 3	Near Bearing 1	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing 1	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing 2	Fixed Bearing	Fixed Bearing	1

# **Elements Verfied**

Span 3Near Bearing 2Movable BearingMovable BearingMovable Bearing1Span 3Far Bearing 3Fixed BearingFixed BearingFixed Bearing1Span 3Far Bearing 4Fixed BearingFixed Bearing1Span 3Rear Bearing 4Movable BearingMovable Bearing1Span 4Bear Bearing 4Movable BearingMovable Bearing1Span 4DeckReinforced Concrete DeckReinforced Concrete Deck7Span 4Bearn 1Reinforced Concrete GriderReinforced Concrete Concrete GriderReinforced Concrete Grider7Span 4Bearn 3Reinforced Concrete GriderReinforced Concrete Grider7Span 4Bearn 3Reinforced Concrete GriderReinforced Concrete Grider Bealing7Span 4Bearn 3Reinforced Concrete GriderReinforced Concrete Grider Bealing7Span 4Bearn 3Reinforced Concrete GriderReinforced Concrete Grider Bealing7Span 4Bearn 3Reinforded Concrete GriderReinforced Concrete Grider Bealing7Span 4Bearn 3Spanid JointMovable Bearing1Span 4Reinforge RallConcrete RallingReinforced Concrete Grider Bealing1Span 4Reinforge Concrete GriderReinforced Concrete Grider1Span 4Reinforge Concrete GriderReinforced Concrete Grider1Span 4Reinforge Concrete GriderReinforced Concrete Grider1Span 5Reinforge Concre	Location	Name	Component	Element Name	Amount
Span 3         Near Bearing 3         Movable Bearing         Movable Bearing         1           Span 3         Far Bearing 3         Fixed Bearing         Fixed Bearing         1           Span 3         Near Bearing 4         Movable Bearing         Fixed Bearing         1           Span 3         Near Bearing 4         Movable Bearing         Movable Bearing         1           Span 4         Deck         Reinforced Concrete Deck         Reinforced Concrete Conc	Span 3	Near Bearing 2	Movable Bearing	Movable Bearing	1
Span 3         Far Bearing 4         Fixed Bearing         Fixed Bearing         Fixed Bearing         Fixed Bearing         1           Span 3         Kear Bearing 4         Mixeable Bearing         Mixeable Bearing         1           Span 3         Route Marker Sign         Other warning sign         Other Warning Signs         1           Span 4         Deck         Reinforced Concrete Deck         Reinforced Concrete Groef Reinforced Concrete Open Girder/Beam         57           Span 4         Beam 1         Reinforced Concrete Girder         Reinforced Concrete Open Girder/Beam         57           Span 4         Beam 3         Reinforced Concrete Girder         Reinforced Concrete Open Girder/Beam         57           Span 4         Left Bridge Rail         Concrete Railing         Reinforced Concrete Dring Railing         57           Span 4         Left Bridge Rail         Concrete Railing         Reinforced Concrete Dirige Railing         57           Span 4         Left Bridge Rail         Concrete Railing         Reinforced Concrete Dirige Railing         57           Span 4         Near Bearing 1         Standard Joint         Pourable Joint Seal         182           Span 4         Near Bearing 1         Fixed Bearing         Movable Bearing         1           Span 4         Fa	Span 3	Near Bearing 3	Movable Bearing	Movable Bearing	1
Span 3         Fare Bearing 4         Fixed Bearing 4         Movable Bearing 4         Movable Bearing 4           Span 3         Near Bearing 4         Movable Bearing 4         Movable Bearing 4         1           Span 4         Deck         Reinforced Concrete Deck         Reinforced Concrete Deen Circler Deen Circler Bearn         57           Span 4         Beam 1         Reinforced Concrete Circler         Reinforced Concrete Open Circler/Bearn         57           Span 4         Beam 3         Reinforced Concrete Circler         Reinforced Concrete Open Circler/Bearn         57           Span 4         Beam 3         Reinforced Concrete Circler         Reinforced Concrete Open Circler/Bearn         57           Span 4         Beam 3         Reinforced Concrete Circler         Reinforced Concrete Open Circler/Bearn         57           Span 4         Bean 3         Reinforced Concrete Circler Open Circler/Bearn         57           Span 4         Roy Mearing Surface         Wearing Surface         182           Span 4         Reinforced Concrete Reinford         182           Span 4         Near Bearing 1         Movable Bearing         162           Span 4         Far Bearing 1         Movable Bearing         162           Span 4         Far Bearing 2         Movable Bearing	Span 3	Far Bearing 3	Fixed Bearing	Fixed Bearing	1
Span 3         Near Bearing 4         Movable Bearing         Movable Bearing         Movable Bearing         It           Span 3         Route Marker Sign         Other warning sign         Other Warning Signs         1           Span 4         Beam 1         Reinforced Concrete Deck         Reinforced Concrete Open Girder/Beam         57           Span 4         Beam 2         Reinforced Concrete Girder         Reinforced Concrete Open Girder/Beam         57           Span 4         Beam 3         Reinforced Concrete Girder         Reinforced Concrete Open Girder/Beam         57           Span 4         Beam 3         Reinforced Concrete Girder         Reinforced Concrete Open Girder/Beam         57           Span 4         Left Bridge Rall         Concrete Raling         Reinforced Concrete Open Girder/Beam         57           Span 4         Bern 3         Expansion Joint         Standard Joint         Pourabe-Joint Seal         31           Span 4         Bern Bearing 1         Kawabe Bearing         Kawaing Surface         Nearing Surface         1522           Span 4         Far Bearing 3         Kawabe Bearing         Movable Bearing         1           Span 4         Near Bearing 3         Movable Bearing         Movable Bearing         1           Span 4         Rear Bearing	Span 3	Far Bearing 4	Fixed Bearing	Fixed Bearing	1
Span 3         Route Marker Sign         Other warning sign         Other Warning Signs         1           Span 4         Dack         Reinforced Concrete Dack         Reinforced Concrete Dack         1780           Span 4         Beam 1         Reinforced Concrete Girder         Reinforced Concrete Open Girder/Beam         57           Span 4         Beam 3         Reinforced Concrete Girder         Reinforced Concrete Open Girder/Beam         57           Span 4         Beam 4         Reinforced Concrete Dirder         Reinforced Concrete Dirder/Beam         57           Span 4         Beam 1         Reinforced Concrete Dirder/Beam         57           Span 4         Right Bridge Rail         Concrete Railing         Reinforced Concrete Dirder Reinforced Concrete Bridge Railing         57           Span 4         Beam 1 5 Expansion Joint         Pourabie Joint Seal         31         1522           Span 4         Near Bearing 1         Movabie Bearing         Movabie Bearing         1           Span 4         Far Bearing 2         Fixed Bearing         Movabie Bearing         1           Span 4         Far Bearing 3         Fixed Bearing         1         1           Span 4         Far Bearing 3         Fixed Bearing         1         1           Span 4	Span 3	Near Bearing 4	Movable Bearing	Movable Bearing	1
Span 4         Deck         Reinforced Concrete Deck         Reinforced Concrete Open Girder/Beam         1780           Span 4         Beam 1         Reinforced Concrete Open Girder/Beam         57           Span 4         Beam 3         Reinforced Concrete Open Girder/Beam         57           Span 4         Beam 3         Reinforced Concrete Open Girder/Beam         57           Span 4         Beam 3         Reinforced Concrete Open Girder/Beam         57           Span 4         Beam 1         Concrete Railing         Reinforced Concrete Bridge Railing         57           Span 4         Right Birdge Rail         Concrete Railing         Reinforced Concrete Bridge Railing         57           Span 4         Bent 3         Standard Joint         Pourable Joint Seal         31           Span 4         Bearing 1         Fixed Bearing         Morable Bearing         1           Span 4         Near Bearing 1         Fixed Bearing         Morable Bearing         1           Span 4         Near Bearing 3         Morable Bearing         Morable Bearing         1           Span 4         Near Bearing 3         Morable Bearing         1         1           Span 4         Near Bearing 3         Morable Bearing         1           Span 4	Span 3	Route Marker Sign	Other warning sign	Other Warning Signs	1
Span 4         Beam 1         Reinforced Concrete Girder         Reinforced Concrete Open Girder/Beam         57           Span 4         Beam 2         Reinforced Concrete Open Girder/Beam         57           Span 4         Beam 3         Reinforced Concrete Open Girder/Beam         57           Span 4         Beam 3         Reinforced Concrete Open Girder/Beam         57           Span 4         Lett Bridge Rail         Concrete Railing         Reinforced Concrete Den Girder/Beam         57           Span 4         Lett Bridge Rail         Concrete Railing         Reinforced Concrete Bridge Railing         57           Span 4         Bent 3 Expansion Joint         Standard Joint         Pourable Joint Seal         31           Span 4         Near Bearing 1         Kybb Bearing         Movable Bearing         1           Span 4         Near Bearing 2         Fixed Bearing         1         1           Span 4         Near Bearing 3         Movable Bearing         1         1           Span 4         Near Bearing 3         Fixed Bearing         1         1           Span 4         Near Bearing 3         Fixed Bearing         1         1           Span 4         Near Bearing 3         Fixed Bearing         1         1           <	Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1780
Span 4         Beam 2         Reinforced Concrete Girder         Reinforced Concrete Open Girder/Beam         57           Span 4         Beam 3         Reinforced Concrete Girder         Reinforced Concrete Open Girder/Beam         57           Span 4         Laft Bridge Rail         Concrete Railing         Reinforced Concrete Open Girder/Beam         57           Span 4         Right Bridge Rail         Concrete Railing         Reinforced Concrete Open Girder/Beam         57           Span 4         Right Bridge Rail         Concrete Railing         Reinforced Concrete Open Girder/Beam         57           Span 4         Wearing Surface         Asphalt Wearing Surface         Wearing Surface         1582           Span 4         Wearing Surface         Asphalt Wearing Surface         Wearing Surface         1582           Span 4         Far Bearing 1         Movable Bearing         Fixed Bearing         1           Span 4         Far Bearing 3         Movable Bearing         Movable Bearing         1           Span 4         Near Bearing 3         Movable Bearing         Movable Bearing         1           Span 4         Far Bearing 3         Movable Bearing         Movable Bearing         1           Span 4         Far Bearing 3         Movable Bearing         Movable Bearing	Span 4	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 4         Beam 3         Reinforced Concrete Girder         Reinforced Concrete Open Girder/Beam         67           Span 4         Beam 4         Reinforced Concrete Girder         Reinforced Concrete Daridge Rolling         57           Span 4         Brids Bridge Rall         Concrete Ralling         Reinforced Concrete Bridge Ralling         57           Span 4         Berti 3 Expansion Joint         Standard Joint         Pourable Joint Seal         31           Span 4         Mear Bearing 1         Movable Bearing         Movable Bearing         182           Span 4         Near Bearing 1         Fixed Bearing         Fixed Bearing         1           Span 4         Far Bearing 2         Fixed Bearing         Movable Bearing         1           Span 4         Near Bearing 3         Fixed Bearing         Movable Bearing         1           Span 4         Near Bearing 3         Fixed Bearing         Movable Bearing         1           Span 4         Near Bearing 3         Fixed Bearing         Movable Bearing         1           Span 4         Rear Bearing 3         Fixed Bearing         Movable Bearing         1           Span 4         Rear Bearing 4         Movable Bearing         Movable Bearing         1           Span 5         Deck </td <td>Span 4</td> <td>Beam 2</td> <td>Reinforced Concrete Girder</td> <td>Reinforced Concrete Open Girder/Beam</td> <td>57</td>	Span 4	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 4         Beam 4         Reinforced Concrete Girder         Reinforced Concrete Quen Girder/Beam         57           Span 4         Left Bridge Rail         Concrete Railing         Reinforced Concrete Bridge Railing         57           Span 4         Bent 3 Expansion Joint         Standard Joint         Pourable Joint Seal         31           Span 4         Wearing Surface         Asphalt Wearing Surface         Wearing Surface         1582           Span 4         Wearing Surface         Asphalt Wearing Surface         Wearing Surface         1582           Span 4         Far Bearing 1         Fixed Bearing         Fixed Bearing         1           Span 4         Far Bearing 3         Movable Bearing         Movable Bearing         1           Span 4         Near Bearing 3         Movable Bearing         Movable Bearing         1           Span 4         Far Bearing 3         Fixed Bearing         Movable Bearing         1           Span 4         Far Bearing 4         Fixed Bearing         Movable Bearing         1           Span 4         Rar Bearing 4         Fixed Bearing         Movable Bearing         1           Span 5         Beam 1         Reinforced Concrete Dack         Reinforced Concrete Concrete Dack         1654           Span 5	Span 4	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 4Left Bridge RailConcrete RailingReinforced Concrete Bridge Railing57Span 4Right Bridge RailConcrete RailingReinforced Concrete Bridge Railing57Span 4Bert 3 Expansion JointStandard JointPurable Joint Seal31Span 4Wearing SurfaceAsphalt Wearing SurfaceWearing Surface1582Span 4Far Bearing 1Movable BearingMovable Bearing1Span 4Far Bearing 2Fixed BearingMovable Bearing1Span 4Near Bearing 2Movable BearingMovable Bearing1Span 4Near Bearing 3Movable BearingMovable Bearing1Span 4Near Bearing 3Movable BearingMovable Bearing1Span 4Far Bearing 4Fixed BearingFixed Bearing1Span 4Far Bearing 4Fixed BearingMovable Bearing1Span 4Rear Bearing 4Movable BearingMovable Bearing1Span 4Near Bearing 4Movable BearingMovable Bearing1Span 5DeckReinforced Concrete Concrete Concrete Concrete Open Girder/Bearn52Span 5Bearn 1Reinforced Concrete Concrete Concrete Open Girder/Bearn52Span 5Bearn 3Reinforced Concrete Concrete Concrete Concrete Open Girder/Bearn52Span 5Bearn 4Reinforced Concrete Open Girder/Bearn52Span 5Bearn 4Reinforced Concrete Concrete Concrete Open Girder/Bearn52Span 5Bearn 4Rein	Span 4	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 4         Right Bridge Rail         Concrete Railing         Reinforced Concrete Bridge Railing         57           Span 4         Bert 3 Expansion Joint         Standard Joint         Pourable Joint Seal         31           Span 4         Wearing Surface         Asphalt Wearing Surface         Wearing Surface         1582           Span 4         Near Bearing 1         Fixed Bearing         Movable Bearing         1           Span 4         Far Bearing 2         Fixed Bearing         Fixed Bearing         1           Span 4         Near Bearing 2         Movable Bearing         Movable Bearing         1           Span 4         Near Bearing 3         Movable Bearing         Movable Bearing         1           Span 4         Far Bearing 3         Fixed Bearing         Fixed Bearing         1           Span 4         Far Bearing 4         Fixed Bearing         Movable Bearing         1           Span 4         Far Bearing 4         Movable Bearing         Movable Bearing         1           Span 4         Rar Bearing 4         Movable Bearing         Movable Bearing         1           Span 5         Bearn 1         Reinforced Concrete Orcet Grider Concrete Grider         Reinforced Concrete Orcet O	Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 4Bent 3 Expansion JointStandard JointPourable Joint Seal31Span 4Wearing SurfaceAsphatt Wearing SurfaceWearing Surface1682Span 4Near Bearing 1Movable BearingMovable Bearing1Span 4Far Bearing 1Fixed BearingFixed Bearing1Span 4Far Bearing 2Fixed BearingMovable Bearing1Span 4Near Bearing 2Movable BearingMovable Bearing1Span 4Near Bearing 3Movable BearingMovable Bearing1Span 4Far Bearing 3Fixed BearingKed Bearing1Span 4Far Bearing 3Fixed BearingMovable Bearing1Span 4Far Bearing 4Fixed BearingMovable Bearing1Span 4Rave Bearing 4Movable BearingMovable Bearing1Span 4Rave Bearing 4Movable BearingMovable Bearing1Span 5DeckReinforced Concrete DeckReinforced Concrete Deck1654Span 5DeckReinforced Concrete DeckReinforced Concrete Open Girder/Bearn52Span 5Bearn 3Reinforced Concrete GirderReinforced Concrete Open Girder/Bearn52 <tr<< td=""><td>Span 4</td><td>Right Bridge Rail</td><td>Concrete Railing</td><td>Reinforced Concrete Bridge Railing</td><td>57</td></tr<<>	Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 4Wearing SurfaceAsphalt Wearing SurfaceWearing Surface1582Span 4Near Bearing 1Movable BearingMovable Bearing1Span 4Far Bearing 1Fixed BearingFixed Bearing1Span 4Far Bearing 2Fixed BearingFixed Bearing1Span 4Near Bearing 2Movable BearingMovable Bearing1Span 4Near Bearing 3Movable BearingMovable Bearing1Span 4Near Bearing 3Fixed BearingMovable Bearing1Span 4Far Bearing 4Fixed BearingFixed Bearing1Span 4Near Bearing 4Movable BearingMovable Bearing1Span 4Near Bearing 4Movable BearingMovable Bearing1Span 4Near Bearing 4Movable Bearing11Span 5DeckReinforced Concrete Deck1654Span 5Beam 1Reinforced Concrete DeckReinforced Concrete Open Girder/Beam52Span 5Beam 2Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Deng Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Deng Girder/Beam53Span 5Beam 4Reinforced Concrete Bridge Railing53Span 5Read BearingReinforced Concrete Bridge Railing	Span 4	Bent 3 Expansion Joint	Standard Joint	Pourable Joint Seal	31
Span 4Near Bearing 1Movable BearingMovable Bearing1Span 4Far Bearing 1Fixed BearingFixed Bearing1Span 4Far Bearing 2Fixed BearingMovable Bearing1Span 4Near Bearing 2Movable BearingMovable Bearing1Span 4Near Bearing 3Movable BearingMovable Bearing1Span 4Near Bearing 3Fixed BearingMovable Bearing1Span 4Far Bearing 3Fixed BearingFixed Bearing1Span 4Far Bearing 4Fixed BearingMovable Bearing1Span 4Rate Bearing 4Movable BearingMovable Bearing1Span 4Rate Bearing 4Movable BearingMovable Bearing1Span 4Rate Bearing 4Movable BearingMovable Bearing1Span 5DeckReinforced Concrete DeckReinforced Concrete Deck1654Span 5DeckReinforced Concrete DeckReinforced Concrete Open Girder/Bearn52Span 5Bearn 2Reinforced Concrete GirderReinforced Concrete Open Girder/Bearn52Span 5Bearn 4Reinforced Concrete GirderReinforced Concrete Open Girder/Bearn52Span 5Bearn 4Reinforced Concrete GirderReinforced Concrete Open Girder/Bearn52Span 5Left Bridge RailConcrete RailingReinforced Concrete Open Girder/Bearn52Span 5Bearn 3Reinforced Concrete RailingReinforced Concrete Open Girder/Bearn52 <td>Span 4</td> <td>Wearing Surface</td> <td>Asphalt Wearing Surface</td> <td>Wearing Surface</td> <td>1582</td>	Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1582
Span 4Far Bearing 1Fixed BearingFixed Bearing1Span 4Far Bearing 2Fixed BearingFixed Bearing1Span 4Near Bearing 2Movable BearingMovable Bearing1Span 4Near Bearing 3Movable BearingMovable Bearing1Span 4Far Bearing 3Fixed BearingMovable Bearing1Span 4Far Bearing 3Fixed BearingFixed Bearing1Span 4Far Bearing 4Movable BearingMovable Bearing1Span 4Near Bearing 4Movable BearingMovable Bearing1Span 4Near Bearing 4Movable BearingMovable Bearing1Span 5DeckReinforced Concrete DeckReinforced Concrete Deck1654Span 5Beam 1Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 3Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete DeckSaSpan 5Beam 4Reinforced Concrete GirderReinforced Concrete DeckSaSpan 5Beam 4Reinforced Concrete GirderReinforced Concrete Deck Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Deck Girder/Beam53Span 5Span 5SaSa5353Span 5Righ	Span 4	Near Bearing 1	Movable Bearing	Movable Bearing	1
Span 4Far Bearing 2Fixed BearingFixed Bearing1Span 4Near Bearing 2Movable BearingMovable Bearing1Span 4Near Bearing 3Movable BearingMovable Bearing1Span 4Far Bearing 3Fixed BearingFixed Bearing1Span 4Far Bearing 4Fixed BearingFixed Bearing1Span 4Near Bearing 4Fixed BearingMovable Bearing1Span 4Near Bearing 4Movable BearingMovable Bearing1Span 4Near Bearing 4Movable BearingMovable Bearing1Span 5DeckReinforced Concrete DeckReinforced Concrete Deck1654Span 5Beam 1Reinforced Concrete Open Girder/Beam52Span 5Beam 2Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 3Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam53Span 5Standard JointPourable Joint Seal0Span 5Bearing 1Concrete RaingReinforced Concrete Dirdge Railing53Span 5Bearing 1Movable BearingMovable Bearing1Span 5Near Bearing 1Movable Bearing11Span 5Near Bearing 1Movable Bearing11 <td>Span 4</td> <td>Far Bearing 1</td> <td>Fixed Bearing</td> <td>Fixed Bearing</td> <td>1</td>	Span 4	Far Bearing 1	Fixed Bearing	Fixed Bearing	1
Span 4Near Bearing 2Movable BearingMovable Bearing1Span 4Near Bearing 3Movable BearingMovable Bearing1Span 4Far Bearing 3Fixed BearingFixed Bearing1Span 4Far Bearing 4Fixed BearingFixed Bearing1Span 4Near Bearing 4Movable BearingMovable Bearing1Span 4Near Bearing 4Movable BearingMovable Bearing1Span 4Near Bearing 4Movable BearingMovable Bearing1Span 5DeckReinforced Concrete DeckReinforced Concrete Open Girder/Beam52Span 5Beam 1Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 3Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Dopen Girder/Beam52Span 5Left Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Standard JointPourable Joint Seal0Span 5Bearing SurfaceAsphalt Wearing SurfaceWearing Surface1470Span 5Near Bearing 1Movable Bearing11Span 5Near Bearing 2Fixed Bearing11Span 5Nea	Span 4	Far Bearing 2	Fixed Bearing	Fixed Bearing	1
Span 4Near Bearing 3Movable BearingMovable Bearing1Span 4Far Bearing 3Fixed BearingFixed Bearing1Span 4Far Bearing 4Fixed BearingFixed Bearing1Span 4Near Bearing 4Movable BearingMovable Bearing1Span 4Near Bearing 4Movable BearingMovable Bearing1Span 4Route Marker SignOther warning signOther Warning Signs1Span 5DeckReinforced Concrete DeckReinforced Concrete Deck1654Span 5Beam 1Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 3Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 3Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Left Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Standard JointPourable Joint Seal0Span 5Bearing 1Movable Bearing1170Span 5Near Bearing 1Fixed Bearing1170Span 5Far Bearing 1Fixed Bearing1170Span 5Near Bearing 1Fixed Bearing1170Span 5Far Bearing 3Fixed Bearing11Span 5Near Bearing 4Movable Bearing11Span 5<	Span 4	Near Bearing 2	Movable Bearing	Movable Bearing	1
Span 4Far Bearing 3Fixed BearingFixed BearingFixed Bearing1Span 4Far Bearing 4Fixed BearingFixed Bearing1Span 4Near Bearing 4Movable BearingMovable Bearing1Span 4Route Marker SignOther warning signOther Warning Signs1Span 5DeckReinforced Concrete DeckReinforced Concrete Deck1654Span 5Beam 1Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 2Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 3Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Left Bridge RailConcrete RailingReinforced Concrete Den Girder/Beam53Span 5Standard JointPourable Joint Seal0Span 5Standard JointPourable Joint Seal0Span 5Nearing SurfaceAsphalt Wearing SurfaceWearing Surface1470Span 5Far Bearing 1Fixed BearingFixed Bearing1Span 5Far Bearing 2Fixed Bearing11Span 5Far Bearing 3Movable Bearing11Span 5Far Bearing 3Fixed Bearing11Span 5Far Bearing 4Fixed Bearing11Span 5Far Bearing 3Fixed Bearing11 <t< td=""><td>Span 4</td><td>Near Bearing 3</td><td>Movable Bearing</td><td>Movable Bearing</td><td>1</td></t<>	Span 4	Near Bearing 3	Movable Bearing	Movable Bearing	1
Span 4Far Bearing 4Fixed BearingFixed Bearing1Span 4Near Bearing 4Movable BearingMovable Bearing1Span 4Route Marker SignOther warning signOther Warning Signs1Span 5DeckReinforced Concrete DeckReinforced Concrete Deck1654Span 5Beam 1Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 3Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 3Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Left Bridge RailConcrete RailingReinforced Concrete Deen Girder/Beam53Span 5Standard JointPourable Joint Seal0Span 5Standard JointPourable Joint Seal1Span 5Wearing SurfaceAsphalt Wearing SurfaceWearing1470Span 5Near Bearing 1Movable BearingMovable Bearing1Span 5Far Bearing 2Fixed Bearing11Span 5Far Bearing 3Fixed Bearing11Span 5Far Bearing 3Movable BearingMovable Bearing1Span 5Far Bearing 3Fixed BearingFixed Bearing1Span 5Far Bearing 3Movable Beari	Span 4	Far Bearing 3	Fixed Bearing	Fixed Bearing	1
Span 4Near Bearing 4Movable BearingMovable Bearing1Span 4Route Marker SignOther warning signOther Warning Signs1Span 5DeckReinforced Concrete DeckReinforced Concrete Deck1654Span 5Beam 1Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 2Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 3Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Depen Girder/Beam52Span 5Left Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Standard JointPourable Joint Seal0Span 5Bnet 4 Expansion JointStandard JointPourable Joint Seal31Span 5Near Bearing 1Movable BearingMovable Bearing1Span 5Far Bearing 1Fixed BearingFixed Bearing1Span 5Far Bearing 2Movable BearingMovable Bearing1Span 5Near Bearing 3Movable BearingMovable Bearing1Span 5Far Bearing 3Fixed Bearing11Span 5Near Bearing 3Movable Bearing11Span 5Far Bearing 4Fixed BearingFixed Bearing1 <tr <tr="">Span 5&lt;</tr>	Span 4	Far Bearing 4	Fixed Bearing	Fixed Bearing	1
Span 4Route Marker SignOther warning signOther Warning Signs1Span 5DeckReinforced Concrete DeckReinforced Concrete Deck1654Span 5Beam 1Reinforced Concrete GirderReinforced Concrete Deck1654Span 5Beam 2Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 3Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Dirder/Beam52Span 5Left Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Standard JointPourable Joint Seal0Span 5Bnet 4 Expansion JointStandard JointPourable Joint Seal11Span 5Wearing SurfaceAsphalt Wearing SurfaceWearing Surface1470Span 5Far Bearing 1Fixed BearingFixed Bearing1Span 5Far Bearing 2Fixed BearingMovable Bearing1Span 5Near Bearing 3Movable BearingMovable Bearing1Span 5Near Bearing 3Movable Bearing11Span 5Near Bearing 3Fixed BearingFixed Bearing1Span 5Near Bearing 3Fixed BearingFixed Bearing1	Span 4	Near Bearing 4	Movable Bearing	Movable Bearing	1
Span 5DeckReinforced Concrete DeckReinforced Concrete Deck1654Span 5Beam 1Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 2Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 3Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Left Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Right Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Standard JointPourable Joint Seal0Span 5Bnet 4 Expansion JointStandard JointPourable Joint Seal1470Span 5Near Bearing 1Movable BearingMovable Bearing1Span 5Far Bearing 1Fixed BearingFixed Bearing1Span 5Near Bearing 2Fixed BearingMovable Bearing1Span 5Near Bearing 3Movable BearingMovable Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingMovable Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1<	Span 4	Route Marker Sign	Other warning sign	Other Warning Signs	1
Span 5Beam 1Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 2Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 3Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Left Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Right Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Right Bridge RailConcrete RailingPourable Joint Seal0Span 5Bnet 4 Expansion JointStandard JointPourable Joint Seal31Span 5Wearing SurfaceAsphalt Wearing SurfaceWearing Surface1470Span 5Near Bearing 1Movable BearingMovable Bearing1Span 5Far Bearing 1Fixed BearingFixed Bearing1Span 5Far Bearing 2Movable BearingMovable Bearing1Span 5Near Bearing 3Movable Bearing11Span 5Near Bearing 3Fixed Bearing11Span 5Far Bearing 4Fixed Bearing11Span 5Far Bearing 4Fixed BearingMovable Bearing1Span 5Far Bearing 4Fixed BearingMovable Bearing1 <tr< td=""><td>Span 5</td><td>Deck</td><td>Reinforced Concrete Deck</td><td>Reinforced Concrete Deck</td><td>1654</td></tr<>	Span 5	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1654
Span 5Beam 2Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 3Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Left Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Right Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Right Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Standard JointPourable Joint Seal0Span 5Bnet 4 Expansion JointStandard JointPourable Joint Seal31Span 5Wearing SurfaceAsphalt Wearing SurfaceWearing Surface1470Span 5Near Bearing 1Fixed BearingFixed Bearing1Span 5Far Bearing 2Fixed Bearing1Span 5Near Bearing 2Movable Bearing1Span 5Near Bearing 3Movable Bearing1Span 5Near Bearing 3Fixed Bearing1Span 5Far Bearing 3Fixed Bearing1Span 5Far Bearing 4Fixed Bear	Span 5	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 5Beam 3Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Left Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Right Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Right Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Standard JointPourable Joint Seal0Span 5Bnet 4 Expansion JointStandard JointPourable Joint Seal31Span 5Wearing SurfaceAsphalt Wearing SurfaceWearing Surface1470Span 5Near Bearing 1Movable BearingMovable Bearing1Span 5Far Bearing 1Fixed BearingFixed Bearing1Span 5Far Bearing 2Fixed Bearing11Span 5Near Bearing 3Movable Bearing11Span 5Near Bearing 3Movable Bearing11Span 5Far Bearing 3Fixed Bearing11Span 5Far Bearing 3Fixed Bearing11Span 5Far Bearing 4Fixed Bearing11Span 5Far Bearing 4Fixed Bearing11Span 5Far Bearing 4Fixed Bearing11Span 5Far Bearing 4Movable Bearing11Span 5Far Bearing 4Movable Bearing <td< td=""><td>Span 5</td><td>Beam 2</td><td>Reinforced Concrete Girder</td><td>Reinforced Concrete Open Girder/Beam</td><td>52</td></td<>	Span 5	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 5Beam 4Reinforced Concrete GirderReinforced Concrete Open Girder/Beam52Span 5Left Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Right Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Standard JointPourable Joint Seal0Span 5Bnet 4 Expansion JointStandard JointPourable Joint Seal0Span 5Wearing SurfaceAsphalt Wearing SurfaceWearing Surface1470Span 5Near Bearing 1Movable BearingMovable Bearing1Span 5Far Bearing 1Fixed BearingFixed Bearing1Span 5Far Bearing 2Fixed BearingFixed Bearing1Span 5Near Bearing 2Movable BearingMovable Bearing1Span 5Far Bearing 2Fixed BearingMovable Bearing1Span 5Near Bearing 3Movable BearingMovable Bearing1Span 5Near Bearing 3Movable Bearing11Span 5Far Bearing 3Fixed Bearing11Span 5Far Bearing 4Fixed Bearing11Span 5Near Bearing 4Movable Bearing11Span 5Near Bearing 4Movable Bearing11Span 5Rear Bearing 4Movable Bearing11Span 5Rear Bearing 4Movable Bearing11Span 5Rear Bearing 4Movable Bearing11 <td>Span 5</td> <td>Beam 3</td> <td>Reinforced Concrete Girder</td> <td>Reinforced Concrete Open Girder/Beam</td> <td>52</td>	Span 5	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 5Left Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Right Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Standard JointPourable Joint Seal0Span 5Bnet 4 Expansion JointStandard JointPourable Joint Seal31Span 5Wearing SurfaceAsphalt Wearing SurfaceWearing Surface1470Span 5Near Bearing 1Movable BearingMovable Bearing1Span 5Far Bearing 1Fixed BearingFixed Bearing1Span 5Far Bearing 2Fixed BearingFixed Bearing1Span 5Near Bearing 2Movable BearingMovable Bearing1Span 5Far Bearing 2Movable Bearing11Span 5Near Bearing 3Movable Bearing11Span 5Near Bearing 3Movable Bearing11Span 5Far Bearing 3Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Near Bearing 4Movable BearingMovable Bearing1Span 5Near Bearing 4Novable Bearing11Span 5Near Bearing 4Movable Bearing11Span 5Near Bearing 4Movable BearingMovable Bearing1Span 5Near Bearing 4Movable BearingMovable Bearing <td>Span 5</td> <td>Beam 4</td> <td>Reinforced Concrete Girder</td> <td>Reinforced Concrete Open Girder/Beam</td> <td>52</td>	Span 5	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 5Right Bridge RailConcrete RailingReinforced Concrete Bridge Railing53Span 5Standard JointPourable Joint Seal0Span 5Bnet 4 Expansion JointStandard JointPourable Joint Seal31Span 5Bnet 4 Expansion JointStandard JointPourable Joint Seal31Span 5Wearing SurfaceAsphalt Wearing SurfaceWearing Surface1470Span 5Near Bearing 1Movable BearingMovable Bearing1Span 5Far Bearing 1Fixed BearingFixed Bearing1Span 5Far Bearing 2Fixed BearingFixed Bearing1Span 5Near Bearing 2Movable BearingMovable Bearing1Span 5Near Bearing 2Movable BearingMovable Bearing1Span 5Near Bearing 3Movable BearingMovable Bearing1Span 5Near Bearing 3Movable Bearing11Span 5Far Bearing 3Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Near Bearing 4Movable BearingMovable Bearing1Span 5Near Bearing 4Movable Bearing11Span 5Near Bearing 4Movable Bearing11Span 5Near Bearing 4Movable BearingMovable Bearing1Bent 1Cap 1Reinforced Concrete Pier CapReinforced Concrete Column1Bent 1Pile 2Reinforced C	Span 5	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	53
Span 5Standard JointPourable Joint Seal0Span 5Bnet 4 Expansion JointStandard JointPourable Joint Seal31Span 5Wearing SurfaceAsphalt Wearing SurfaceWearing Surface1470Span 5Near Bearing 1Movable BearingMovable Bearing1Span 5Far Bearing 1Fixed BearingFixed Bearing1Span 5Far Bearing 2Fixed BearingFixed Bearing1Span 5Far Bearing 2Fixed Bearing11Span 5Near Bearing 2Movable BearingMovable Bearing1Span 5Near Bearing 2Movable BearingMovable Bearing1Span 5Near Bearing 3Movable BearingMovable Bearing1Span 5Near Bearing 3Movable Bearing11Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Far Bearing 4Movable BearingMovable Bearing1Span 5Near Bearing 4Movable BearingMovable Bearing1Span 5Near Bearing 4Movable Bearing11Span 5Near Bearing 4Reinforced Concrete Pier CapReinforced Concrete Pier Cap32Bent 1Cap 1Reinforced Concrete Pier CapReinforced Concrete Column1Bent 1Pile 2Reinforced Concrete ColumnReinforced Concrete Column1	Span 5	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	53
Span 5Bnet 4 Expansion JointStandard JointPourable Joint Seal31Span 5Wearing SurfaceAsphalt Wearing SurfaceWearing Surface1470Span 5Near Bearing 1Movable BearingMovable Bearing1Span 5Far Bearing 1Fixed BearingFixed Bearing1Span 5Far Bearing 2Fixed BearingFixed Bearing1Span 5Far Bearing 2Fixed BearingFixed Bearing1Span 5Near Bearing 2Movable BearingMovable Bearing1Span 5Near Bearing 3Movable BearingMovable Bearing1Span 5Near Bearing 3Movable Bearing11Span 5Far Bearing 3Fixed Bearing11Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed Bearing11Span 5Near Bearing 4Movable BearingMovable Bearing1Span 5Near Bearing 4Movable Bearing11Span 5Near Bearing 4Movable Bearing11Bent 1Cap 1Reinforced Concrete Pier CapReinforced Concrete Column1Bent 1Pile 2Reinforced Concrete ColumnReinforced Concrete Column1	Span 5		Standard Joint	Pourable Joint Seal	0
Span 5Wearing SurfaceAsphalt Wearing SurfaceWearing Surface1470Span 5Near Bearing 1Movable BearingMovable Bearing1Span 5Far Bearing 1Fixed BearingFixed Bearing1Span 5Far Bearing 2Fixed BearingFixed Bearing1Span 5Far Bearing 2Fixed BearingMovable Bearing1Span 5Near Bearing 2Movable BearingMovable Bearing1Span 5Near Bearing 3Movable BearingMovable Bearing1Span 5Near Bearing 3Fixed BearingMovable Bearing1Span 5Far Bearing 3Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Near Bearing 4Movable BearingMovable Bearing1Span 5Near Bearing 4Reinforced Concrete Pier CapReinforced Concrete Pier Cap32Bent 1Cap 1Reinforced Concrete ColumnReinforced Concrete Column1Bent 1Pile 2Reinforced Concrete ColumnReinforced Concrete Column1	Span 5	Bnet 4 Expansion Joint	Standard Joint	Pourable Joint Seal	31
Span 5Near Bearing 1Movable BearingMovable Bearing1Span 5Far Bearing 1Fixed BearingFixed Bearing1Span 5Far Bearing 2Fixed BearingFixed Bearing1Span 5Near Bearing 2Movable BearingMovable Bearing1Span 5Near Bearing 2Movable BearingMovable Bearing1Span 5Near Bearing 3Movable BearingMovable Bearing1Span 5Far Bearing 3Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Near Bearing 4Movable BearingFixed Bearing1Span 5Near Bearing 4Movable Bearing11Span 5Near Bearing 4Movable Bearing11Span 5Near Bearing 4Movable Bearing11Span 5Near Bearing 4Movable Bearing11Bent 1Cap 1Reinforced Concrete Pier CapReinforced Concrete Column1Bent 1Pile 2Reinforced Concrete ColumnReinforced Concrete Column1	Span 5	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1470
Span 5Far Bearing 1Fixed BearingFixed Bearing1Span 5Far Bearing 2Fixed BearingFixed Bearing1Span 5Near Bearing 2Movable BearingMovable Bearing1Span 5Near Bearing 3Movable BearingMovable Bearing1Span 5Near Bearing 3Fixed BearingMovable Bearing1Span 5Far Bearing 3Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Near Bearing 4Movable BearingMovable Bearing1Span 5Near Bearing 4Movable BearingMovable Bearing1Bent 1Cap 1Reinforced Concrete Pier CapReinforced Concrete Column32Bent 1Pile 2Reinforced Concrete ColumnReinforced Concrete Column1	Span 5	Near Bearing 1	Movable Bearing	Movable Bearing	1
Span 5Far Bearing 2Fixed BearingFixed Bearing1Span 5Near Bearing 2Movable BearingMovable Bearing1Span 5Near Bearing 3Movable BearingMovable Bearing1Span 5Far Bearing 3Fixed BearingFixed Bearing1Span 5Far Bearing 3Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Near Bearing 4Movable BearingMovable Bearing1Span 5Near Bearing 4Movable BearingMovable Bearing1Bent 1Cap 1Reinforced Concrete Pier CapReinforced Concrete Pier Cap32Bent 1Pile 1Reinforced Concrete ColumnReinforced Concrete Column1Bent 1Pile 2Reinforced Concrete ColumnReinforced Concrete Column1	Span 5	Far Bearing 1	Fixed Bearing	Fixed Bearing	1
Span 5Near Bearing 2Movable BearingMovable Bearing1Span 5Near Bearing 3Movable BearingMovable Bearing1Span 5Far Bearing 3Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Near Bearing 4Movable BearingFixed Bearing1Span 5Near Bearing 4Movable BearingMovable Bearing1Span 5Near Bearing 4Movable BearingMovable Bearing1Bent 1Cap 1Reinforced Concrete Pier CapReinforced Concrete Pier Cap32Bent 1Pile 1Reinforced Concrete ColumnReinforced Concrete Column1Bent 1Pile 2Reinforced Concrete ColumnReinforced Concrete Column1	Span 5	Far Bearing 2	Fixed Bearing	Fixed Bearing	1
Span 5Near Bearing 3Movable BearingMovable Bearing1Span 5Far Bearing 3Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Near Bearing 4Movable BearingMovable Bearing1Bent 1Cap 1Reinforced Concrete Pier CapReinforced Concrete Pier Cap32Bent 1Pile 1Reinforced Concrete ColumnReinforced Concrete Column1Bent 1Pile 2Reinforced Concrete ColumnReinforced Concrete Column1	Span 5	Near Bearing 2	Movable Bearing	Movable Bearing	1
Span 5Far Bearing 3Fixed BearingFixed Bearing1Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Near Bearing 4Movable BearingMovable Bearing1Bent 1Cap 1Reinforced Concrete Pier CapReinforced Concrete Pier Cap32Bent 1Pile 1Reinforced Concrete ColumnReinforced Concrete Column1Bent 1Pile 2Reinforced Concrete ColumnReinforced Concrete Column1	Span 5	Near Bearing 3	Movable Bearing	Movable Bearing	1
Span 5Far Bearing 4Fixed BearingFixed Bearing1Span 5Near Bearing 4Movable BearingMovable Bearing1Bent 1Cap 1Reinforced Concrete Pier CapReinforced Concrete Pier Cap32Bent 1Pile 1Reinforced Concrete ColumnReinforced Concrete Column1Bent 1Pile 2Reinforced Concrete ColumnReinforced Concrete Column1	Span 5	Far Bearing 3	Fixed Bearing	Fixed Bearing	1
Span 5Near Bearing 4Movable BearingMovable Bearing1Bent 1Cap 1Reinforced Concrete Pier CapReinforced Concrete Pier Cap32Bent 1Pile 1Reinforced Concrete ColumnReinforced Concrete Column1Bent 1Pile 2Reinforced Concrete ColumnReinforced Concrete Column1	Span 5	Far Bearing 4	Fixed Bearing	Fixed Bearing	1
Bent 1Cap 1Reinforced Concrete Pier CapReinforced Concrete Pier Cap32Bent 1Pile 1Reinforced Concrete ColumnReinforced Concrete Column1Bent 1Pile 2Reinforced Concrete ColumnReinforced Concrete Column1	Span 5	Near Bearing 4	Movable Bearing	Movable Bearing	1
Bent 1         Pile 1         Reinforced Concrete Column         Reinforced Concrete Column         1           Bent 1         Pile 2         Reinforced Concrete Column         Reinforced Concrete Column         1	Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
Bent 1         Pile 2         Reinforced Concrete Column         Reinforced Concrete Column         1	Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
	Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1

# **Elements Verfied**

Location	Name	Component	Element Name	Amount
Bent 1	Footing	Reinforced Concrete Footing	Reinforced Concrete Pile Cap/Footing	9
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	40
End Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	45
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
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	40
End Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	45
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
Bent 3	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
Bent 4	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1

# **General Inspection Notes**

 Span 2
 Bent 1 Expansion Joint

 COVERED BY ASPHALT WEARING SURFACE.

 Span 3
 Bent 2 Expansion Joint

 COVERED BY ASPHALT WEARING SURFACE.

 Span 4
 Bent 3 Expansion Joint

 COVERED BY ASPHALT WEARING SURFACE.

 Span 5
 Bnet 4 Expansion Joint

 COVERED BY ASPHALT WEARING SURFACE.

 Span 5
 Bnet 4 Expansion Joint

 COVERED BY ASPHALT WEARING SURFACE.

# **National Bridge and NC Inspection Items**

Structure Number: 110064

Inspection Date: 08/09/2023

#### National Bridge Inventory Items

Item	Grade Scale	Grade	
Item 58: Deck	0 - 9 , N	7	
Item 59: Superstructure	0 - 9 , N	5	
Item 60: Substructure	0 - 9 , N	5	
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	

tems 58,59,60,62 reflect this nspection only.

or overall NBI coding grade, ee cover sheet.

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	Р	7482	3376
Drainage System	G, F, P, or C	Р	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	F	100	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	Y
Inspection Time	Hours	13
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
Portion of Structure in > 3' of water	YES/NO	N

# National Bridge and NC SMU Inspection Item Details

Structure I	Numb	er: 110064			I	nspectio	on Date:	08/09/2023
lte	em	Deck Debris	Grade	Р	Maint Code 3376	Qty.	7482	
De	etails	along curblines, debris accumulation (up to 1	foot x full length) wit	h vege	etation growth; partially obs	structing d	Irainage	
lte	em	Drainage System	Grade	Р	Maint Code 3332	Qty.	0	
De	etails	see deck debris						
lte	em	Slope Protection	Grade	F	Maint Code 3352	Qty.	100	
De	etails	end bent 1 slope protection below bay 2, sect	tion misaligned/settle	d (up	to 2 inch)			
lte	em	General Comments and Misc Items	Grade		Maint Code	Qty.	0	
De	etails	(PAR) northeast guardrail, 3rd and 12th timbe depth)	er posts from end ber	nt 2, d	ecay/section loss (up to ful	l width x f	ull height :	k full
		(PAR) northwest guardrail, 1st timber spacer	from end bent 2, dec	ay/se	ction loss (full height x 3 in	ch x 3 inc	h deep)	

(PAR) southeast guardrail, 9th timber spacer from end bent 1, missing

(PAR) southwest guardrail, 13th timber post from end bent 1, decay/section loss (up to full width x full height x full depth)

Date: 08/09/2023

## **Condition Photos**



(PAR) northeast guardrail, 3rd and 12th timber posts from end bent 2, decay/section loss (up to full width x full height x full depth)



(PAR) northeast guardrail, 3rd and 12th timber posts from end bent 2, decay/section loss (up to full width x full height x full depth)

Date: 08/09/2023

## **Condition Photos**



along curblines, debris accumulation (up to 1 foot x full length) with vegetation growth; partially obstructing drainage



Span 5 Wearing Surface: 30 FOOT X UP TO 1/4 INCH TRANSVERSE CRACK OVER END BENT 2.

County: BURKE

Date: 08/09/2023



Span 5 Wearing Surface: WEARING SURFACE HAS SCATTERED TRANSVERSE AND LONGITUDINAL CRACKS UP TO 1/8 INCH



Span 5 Right Bridge Rail: at far end of right sidewalk, partially sound patch [14 inch x 16 inch]

County: BURKE

Date: 08/09/2023

## **Condition Photos**



(PAR) northwest guardrail, 1st timber spacer from end bent 2, decay/section loss (full height x 3 inch x 3 inch deep)



Span 4 Wearing Surface: over bent 4, partially sealed transverse crack (1/8 inch x full width) with edge spalling (up to 2 foot x 2 inch x 1/2 inch deep) with vegetation growth

Date: 08/09/2023



Span 4 Wearing Surface: over bent 4, partially sealed transverse crack (1/8 inch x full width) with edge spalling (up to 2 foot x 2 inch x 1/2 inch deep) with vegetation growth



Span 4 Wearing Surface: WEARING SURFACE HAS SCATTERED TRANSVERSE AND LONGITUDINAL CRACKS UP TO 1/8 INCH



Span 3 Wearing Surface: over bent 3, partially sealed transverse crack (1/8 inch x full width) with edge spalling (up to 2 foot x 2 inch x 1/2 inch deep) with vegetation growth



Span 2 Wearing Surface: over bent 2, partially sealed transverse crack (1/8 inch x full width) with edge spalling (up to 3 foot x 5 inch x 1/2 inch deep) with vegetation growth

Date: 08/09/2023

## **Condition Photos**



Span 2 Right Bridge Rail: (NOT FOUND 2023) RIGHT RAIL HAS SCATTERED MAP CRACKING UP TO 1/64 INCH



Span 2 Left Bridge Rail: (NOT FOUND 2023) LEFT RAIL HAS SCATTERED MAP CRACKING UP TO 1/64 INCH

County: BURKE

Date: 08/09/2023

**Condition Photos** 



(PAR) southeast guardrail, 9th timber spacer from end bent 1, missing



(PAR) southwest guardrail, 13th timber post from end bent 1, decay/section loss (up to full width x full height x full depth)

County: BURKE

Date: 08/09/2023

**Condition Photos** 



Span 1 Near Bearing 1: SURFACE RUST



Span 1 Deck: (PAR) west overhang 10 foot from end bent 1, spall (5 inch x 5 inch x 1/2 inch deep) with exposed rusted rebar

Date: 08/09/2023

## **Condition Photos**



Span 1 Beam 1: along the length of the beam, vertical cracks (up to 1/32 inch x full height) at random



Span 1 Beam 1: (PAR) at bent 1, west face and underside, (2) spalls/delamination (up to 2.5 foot x 2 foot x 2 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Date: 08/09/2023



Span 1 Beam 1: (PAR) at bent 1, west face and underside, (2) spalls/delamination (up to 2.5 foot x 2 foot x 2 inch deep) with exposed rusted rebar (approximately 25 percent loss)



Span 1 Beam 1: at bent 1, east face, delamination (26 inch x 6 inch) with cracks (up to 1/2 inch)

Date: 08/09/2023



Span 1 Far Bearing 1: corrosion with section loss [up to 1/16 inch loss]



Span 1 Near Bearing 2: freckled rust

Date: 08/09/2023



Span 1 Beam 3: (PAR) West face at far end, diagonal crack [18 inch x 1/32 inch] with rust stain



Span 1 Beam 3: along far half of beam, vertical/diagonal cracks (up to 1/64 inch x full height)

Date: 08/09/2023

**Condition Photos** 



Span 1 Beam 4: (PAR) at bent 1, west and east faces and underside, multiple spalls/delaminations (up to 8 inch x 12 inch x 1/2 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch)



Span 1 Beam 4: (PAR) at bent 1, west and east faces and underside, multiple spalls/delaminations (up to 8 inch x 12 inch x 1/2 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch)

Date: 08/09/2023

## **Condition Photos**



Span 1 Beam 4: (PAR) at bent 1, west and east faces and underside, multiple spalls/delaminations (up to 8 inch x 12 inch x 1/2 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch)



Span 1 Beam 4: along the length of the beam, vertical cracks (up to 1/64 inch x full height) at random



Bent 1 Cap 1: (PAR) along north and south faces, multiple spalls/delaminations (up to 16 foot x full height x 2.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (1/8 inch) at random



Bent 1 Cap 1: (PAR) along north and south faces, multiple spalls/delaminations (up to 16 foot x full height x 2.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (1/8 inch) at random

Date: 08/09/2023

## **Condition Photos**



Bent 1 Cap 1: (PAR) along north and south faces, multiple spalls/delaminations (up to 16 foot x full height x 2.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (1/8 inch) at random



Bent 1 Cap 1: (PAR) along north and south faces, multiple spalls/delaminations (up to 16 foot x full height x 2.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (1/8 inch) at random

Date: 08/09/2023

**Condition Photos** 



Bent 1 Cap 1: (PAR) east face, spall/delamination (12 inch x 6 inch x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)



Bent 1 Cap 1: underside of cap near column 2, (2) spall/delamination (2 foot x 16 inch x 1/2 inch deep) with cracks (up to 1/16 inch)



Date: 08/09/2023

**Condition Photos** 

County: BURKE

Structure: 110064

Bent 1 Pile 2: at Southwest corner, delamination [full height x 12 inch] with cracks (up to 1/8 inch)



Bent 1 Pile 2: UP TO 4 FOOT X UP TO 1/32 INCH VERTICAL CRACKS, AT RANDOM THROUGHOUT.

County: BURKE

Date: 08/09/2023

## **Condition Photos**



Bent 1 Pile 1: northwest, northeast and southwest corners, delaminations (up to full height x 16 inch) with cracks (up to 1/8 inch)



Span 2 Beam 1: (PAR) at bents 1 and 2, bay 1 end diaphragm, spalls/delaminations (up to full length x up to full height x 3 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch) with rust stains

County: BURKE

Date: 08/09/2023

**Condition Photos** 



Span 2 Beam 1: (PAR) East face at near end, vertical crack [10 inch x 1/32 inch] with rust stain



Span 2 Beam 1: (PAR) West face at near end, longitudinal crack [4 foot x 1/32 inch] and diagonal crack [full height x 1/32 inch] with rust stain and efflorescence



Span 2 Beam 2: East face at near end, delamination/spall [10 inch x 15 inch x up to 1/2 inch deep] with exposed rusted rebar



Span 2 Beam 2: at bents 1 and 2, bay 2 end diaphragm, delaminations (up to full length x full width) with cracks (up to 1/8 inch)

# Structure: 110064

County: BURKE

Date: 08/09/2023

Date: 08/09/2023

## **Condition Photos**



Span 2 Beam 3: (PAR) at bents 1 and 2, bay 3 end diaphragm, spalls/delaminations (up to full length x 8 inch x 1.5 deep) with exposed rusted rebar (approximately 25 percent loss)



Span 2 Deck: (PAR) over bent 1, east overhang, spall (4 inch diameter x 1/2 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Date: 08/09/2023

## **Condition Photos**



Span 2 Beam 4: (PAR) near bent 1, delamination (4 foot x 8 inch) and cracks (up to 1/16) with rust stains



end bent 1 slope protection below bay 2, section misaligned/settled (up to 2 inch)

County: BURKE

Date: 08/09/2023

**Condition Photos** 



end bent 1 slope protection below bay 2, section misaligned/settled (up to 2 inch)



Span 2 Beam 1: (PAR) at bent 2, west face and underside, multiple spalls/delaminations (2 foot x 32 inch x 2.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch)

Date: 08/09/2023

## **Condition Photos**



Span 2 Beam 1: (PAR) at bent 2, west face and underside, multiple spalls/delaminations (2 foot x 32 inch x 2.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch)



Span 2 Beam 1 - Far Bearing 1: corrosion with section loss [up to 1/8 inch loss]
Date: 08/09/2023



Span 2 Beam 2: West and east faces over bent 2, spalls/delaminations [up to 30 inch high x 7 inch wide x 3 inch deep] with cracks (up to 1/8 inch)



Span 3 Beam 1: at bent 2, east face at top, delamination (12 inch x 4 inch)

Structure: 110064

Date: 08/09/2023



Bent 2 Cap 1: (PAR) southwest corner, spall/delamination (18 inch x 6 inch x 1 inch deep) with exposed rusted rebar and adjacent map cracks (up to 1/32 inch) with rust stains



Bent 2 Cap 1: (PAR) southwest corner, spall/delamination (18 inch x 6 inch x 1 inch deep) with exposed rusted rebar and adjacent map cracks (up to 1/32 inch) with rust stains

Structure: 110064

County: BURKE

Date: 08/09/2023



Bent 2 Cap 1: (PAR) underside of cap between columns, spall/delamination [14 foot long x full width x up to 4 inch deep] that extends onto south face [13 inch] with exposed rusted rebar and stirrups [rebars with approximately 25 percent loss; stirrups up to 100 percent loss]



Bent 2 Cap 1: (PAR) underside of cap between columns, spall/delamination [14 foot long x full width x up to 4 inch deep] that extends onto south face [13 inch] with exposed rusted rebar and stirrups [rebars with approximately 25 percent loss; stirrups up to 100 percent loss]

Structure: 110064

County: BURKE

Date: 08/09/2023

**Condition Photos** 



Bent 2 Cap 1: (PAR) underside of cap between columns, spall/delamination [14 foot long x full width x up to 4 inch deep] that extends onto south face [13 inch] with exposed rusted rebar and stirrups [rebars with approximately 25 percent loss; stirrups up to 100 percent loss]

Date: 08/09/2023

## **Condition Photos**



Bent 2 Cap 1: (PAR) (2)- UP TO 10 FOOT X 1/16 INCH HORIZONTAL CRACKS WITH RUST STAINS, SOUTH FACE, UNDER BAYS 2 AND 3.



Span 2 Beam 2: West and east faces over bent 2, spalls/delaminations [up to 30 inch high x 7 inch wide x 3 inch deep] with cracks (up to 1/8 inch)



Span 2 Beam 3: at bent 2, underside, (2) spalls/delaminations (up to 1 foot x 6 inch x 1/2 inch deep) with exposed rusted rebar



Span 3 Beam 3: at bent 2, west face, delamination (2 inch x 1 foot) with cracks (up to 1/8 inch)

Date: 08/09/2023

## **Condition Photos**



Bent 2 Cap 1: (PAR) South face at East end, spall/delamination [84 inch long x up to full height x up to 3 inch deep] with exposed rusted rebar and stirrups [rebar and stirrups with approximately 25 percent loss] and cracks [up to 1/8 inch]



Bent 2 Cap 1: (PAR) South face at East end, spall/delamination [84 inch long x up to full height x up to 3 inch deep] with exposed rusted rebar and stirrups [rebar and stirrups with approximately 25 percent loss] and cracks [up to 1/8 inch]



Bent 2 Cap 1: (PAR) South face at East end, spall/delamination [84 inch long x up to full height x up to 3 inch deep] with exposed rusted rebar and stirrups [rebar and stirrups with approximately 25 percent loss] and cracks [up to 1/8 inch]





Span 2 Beam 4: TRANSVERSE AND WRAPAROUND CRACKS UP TO 1/64 INCH, AT RANDOM THROUGHOUT.



Span 3 Beam 3: (PAR) East face over bent 2, (3) spalls/delaminations [up to 17 inch long x 24 inch high x up to 2 inch deep] with exposed rusted rebar [approximately 25 percent loss] and cracks [up to 1/16 inch]

Date: 08/09/2023

## **Condition Photos**



Span 3 Beam 4: (PAR) West face at near end, delamination [11 foot long x up to 9 inch high] with associated 1/2 inch crack, delamination extends to right Eastbound lane of I-40 below



Span 2 Beam 4: (PAR) at bent 2, west and east faces and underside, multiple spalls/delaminations (up to 18 inch x 8 inch x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Date: 08/09/2023

#### **Condition Photos**



Span 2 Beam 4: (PAR) at bent 2, west and east faces and underside, multiple spalls/delaminations (up to 18 inch x 8 inch x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)



Span 3 Beam 4: EAST FACE OVER BENT 2. HAS A SPALL WITH ADJACENT DELAMINATED AREA 7 INCH FROM END OF BEAM. AREA IS: 10 INCH X 30 INCH X 1/2 INCH DEEP.

Structure: 110064

County: BURKE

Date: 08/09/2023



Span 3 Beam 4: EAST FACE. HAS (2) AREAS THAT ARE SPALLED WITH REBAR EXPOSED. LOCATED 38 INCH FROM END OF BEAM OVER BENT 2. AREAS ARE: UP TO 8 INCH X 14 INCH X 3/4 INCH DEEP.



Bent 2 Cap 1: 9 INCH X 12 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING ON NORTHEAST CORNER, NO LOSS NOTED ON REBAR

Date: 08/09/2023

#### **Condition Photos**



Bent 2 Pile 2: Southeast corner at corbel, delamination [54 inch x 20 inch] with cracks [up to 1/16 inch]



Bent 2 Pile 2: UP TO 5 FOOT X UP TO 1/16 INCH VERTICAL CRACKS, AT RANDOM THROUGHOUT, BEGINNING AT BOTTOM OF CAP.



Span 3 Beam 1: (PAR) at bents 2 and 3, bay 1 end diaphragms, spalls/delaminations (up to full length x full height x up to 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch)



Span 3 Beam 2: at bents 2 and 3, bay 2 end diaphragms, spalls/delaminations (up to full length x full height) and cracks (up to 1/8 inch)

Structure: 110064

County: BURKE

Date: 08/09/2023

**Condition Photos** 



Span 4 Beam 1: (PAR) at bents 3 and 4, bay 1 end diaphragms, spalls/delaminations (up to full length x full height x up to 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch) and rust stains



Span 4 Beam 2: (PAR) at bents 3 and 4, bay 2 end diaphragms, spalls/delaminations (up to full length x full height x up to 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/8 inch) with rust stains



Span 4 Beam 4: EAST FACE AND BOTTOM OVER WEST BOUND RIGHT LANE. (2) 8 INCH LONG X 6 INCH X 1.5 INCH DEEP SPALLS IN MID-SPAN FROM PREVIOUS IMPACT DAMAGE.



Span 4 Route Marker Sign: (PAR) route sign, missing

Date: 08/09/2023

**Condition Photos** 



Span 5 Beam 3: 4 FOOT X 8 INCH X 8 INCH CRACKED PATCHED AREA, IN BENT 4 DIAPHRAGM, BAY 3.



Span 5 Beam 1: 4 FOOT X 10 INCH X 1/2 INCH DEEP FAILED PATCH WITH EXPOSED REINFORCING, IN BENT 4 DIAPHRAGM, BAY 1.

## **Condition Photos**



Span 5 Beam 1: TRANSVERSE AND WRAPAROUND CRACKS UP TO 1/64 INCH, AT RANDOM THROUGHOUT.



Span 5 Far Bearing 1: rust scale

Structure: 110064

County: BURKE

Date: 08/09/2023

**Condition Photos** 



End Bent 2 Cap 1: (PAR) top of South face at bay 3, spall/delamination [10 foot x full height x full width x up to 3 inch deep] with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/18 inch)



Span 5 Far Bearing 4: corrosion with section loss [up to 3/16 inch loss]

## **Condition Photos**



End Bent 2 Cap 1: (PAR) top of South face at bay 3, spall/delamination [10 foot x full height x full width x up to 3 inch deep] with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/18 inch)

Date: 08/09/2023

## **Condition Photos**



Span 5 Beam 4: 2023 previously repaired with patch (3.5 foot x 2.5 foot) with map cracks (up to 1/32 inch), previously noted as: lower East face at 12 foot from end bent 2, spall [40 inch long x 26 inch high x up 5 inch deep] with exposed primary rebar and stirrups, section loss on rebar [up to 1/16 inch]

Date: 08/09/2023



End Bent 2 Cap 1: in bay 1, horizontal crack (1/8 inch x 2.5 foot)



Span 4 Beam 1: (PAR) at bent 3, east face and underside, spalls/delaminations (up to 6 foot x 18 inch x 2 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/16 inch)

#### **Condition Photos**



Span 4 Beam 1: (PAR) at bent 3, east face and underside, spalls/delaminations (up to 6 foot x 18 inch x 2 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/16 inch)



Bent 3 Cap 1: (PAR) BENT 3 CAP HAS SCATTERED CRACKS UP TO 1/16 INCH SOME WITH ADJACENT DELAMINATION (UP TO 7 FOOT X 1.5 FOOT) AND RUST STAINS.

Date: 08/09/2023



Bent 3 Cap 1: (PAR) BENT 3 CAP HAS SCATTERED CRACKS UP TO 1/16 INCH SOME WITH ADJACENT DELAMINATION (UP TO 7 FOOT X 1.5 FOOT) AND RUST STAINS.



Span 4 Near Bearing 2: corrosion with section loss (up to 1/16 inch loss)

Date: 08/09/2023

**Condition Photos** 



Span 3 Beam 2: TRANSVERSE AND WRAPAROUND CRACKS UP TO 1/32 INCH, AT RANDOM THROUGHOUT.



Span 3 Beam 2: near bent 3, west face, (3) delaminations (8 inch diameter) with cracks (up to 1/32 inch)



Span 3 Beam 3: (PAR) at bent 3, west face, spall/delamination (11 inch x 11 inch x 1/2 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/32 inch)



Span 4 Beam 3: near bent 3, west and east faces, longitudinal cracks (up to 1/32 inch x 2 foot)

Date: 08/09/2023

**Condition Photos** 



Span 3 Beam 4: (PAR) at bent 3, west face, (2) spalls/delaminations (1 foot x 30 inch x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/32 inch)



Span 4 Beam 4: (PAR) at bent 3, east face, spall/delamination (43 inch x 43 inch x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss) and cracks (up to 1/32 inch)



Span 4 Beam 4: (PAR) AT BENT 3, (2) UP TO 7 FOOT X 1/32 INCH LONGITUDINAL CRACKS, ON BOTTOM AND WEST FACES WITH EFFLORESCENCE AND RUST STAIN



Bent 3 Pile 1: (PAR) 6 INCH DIAMETER X 1/2 INCH SPALL WITH EXPOSED REINFORCING (APPROXIMATELY 10 PERCENT LOSS) ON EAST FACE NEAR GROUNDLINE.

Date: 08/09/2023

**Condition Photos** 



Bent 3 Pile 2: UP TO 8 FOOT X UP TO 1/32 INCH VERTICAL CRACKS, AT RANDOM THROUGHOUT.



Span 3 Beam 2: (4)- UP TO 3 INCH X 12 INCH X 1 INCH SPALLS WITH EXPOSED REINFORCING, WEST FACE, AT BENT 2.

Date: 08/09/2023

**Condition Photos** 



Span 4 Beam 1: WEST FACE AND BOTTOM HAS A PATCHED AREA (2.5 FOOT X 1.5 FOOT) WITH HAIRLINE MAP CRACKING.



Span 5 Beam 4: (PAR) at bent 4, west face and underside, spall/delamination (6 foot x full width x up to 6 inch x 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss)

## **Condition Photos**



Span 5 Beam 4: (PAR) at bent 4, west face and underside, spall/delamination (6 foot x full width x up to 6 inch x 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss)



Span 4 Beam 4: West face over bent 4, delamination/spall [1 foot x 2 foot] with map cracks (up to 1/32 inch)

Date: 08/09/2023

#### **Condition Photos**



Span 5 Beam 3: East face over bent 4, delamination [16 inch x 8 inch] with cracks (up to 1/8 inch)



Span 5 Beam 3: (PAR) at bent 4, west face, spall/delamination (5 inch x 2 foot x 4 inch deep) with exposed rusted rebar (approximately 25 percent loss)



Span 4 Beam 3: SPAN 4 BEAM 3 WEST FACE OVER BENT 4. HAS A AREA THAT IS CRACKED (UP TO 1/16 INCH) AND DELAMINATED. AREA IS: (11 INCH X 31 INCH)



Bent 4 Cap 1: 2 FOOT X 2 FOOT UNSOUND PATCH, NORTH FACE, UNDER BAY 3.

Date: 08/09/2023

## **Condition Photos**



Bent 4 Cap 1: NORTH FACE BAY 2. HAS A CRACKED AND DELAMINATED AREA [UP TO FULL HEIGHT X 5.5 FOOT]



Bent 4 Cap 1: (not found 2023) North face under beam 4, delamination/spall [up to 15 inch x 17 inch x 1/4 inch deep]
Date: 08/09/2023

**Condition Photos** 



Bent 4 Cap 1: (PAR) underside of cap between columns 1 and 2, longitudinal cracks (up to 1/16 inch x 4 foot) some with rust stains and adjacent delaminations (up to 8 foot x full width)



Bent 4 Cap 1: WEST FACE HAS A PATCHED AREA (3 FOOT X 2 FOOT) WITH HAIRLINE MAP CRACKING. PATCH APPEARS TO BE SOUND.

County: BURKE

Date: 08/09/2023

#### **Condition Photos**



Bent 4 Cap 1: (PAR) west face at bottom corner, map cracks (up to 1/32 inch) with rust stains



Bent 4 Cap 1: BENT 4 CAP HAS SCATTERED VERTICAL AND LONGITUDINAL CRACKS UP TO 1/16 INCH



Bent 4 Cap 1: North face of cap under beam 1, delamination [14 inch x 18 inch]



Span 5 Beam 1: WEST FACE AT BENT 4 HAS A PATCHED AREA (2 FOOT X FULL HEIGHT) THAT IS CRACKED (U TO 1/32 INCH)

Date: 08/09/2023

#### **Condition Photos**



Span 5 Beam 1: at bent 4, underside, (2) spalls/delaminations (1 foot x 3 inch x 1/2 inch deep) with exposed rusted rebar



Span 4 Beam 2: BOTTOM OF BEAM 2 OVER BENT 4. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR EXPOSED. AREA IS: 8 INCH X FULL WIDTH X 1/2 INCH DEEP [NO LOSS NOTED]

Date: 08/09/2023

#### **Condition Photos**



Bent 4 Pile 1: UP TO 10 FOOT X UP TO 1/16 INCH VERTICAL CRACKS, AT RANDOM THROUGHOUT.

## Structure Data Worksheet



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	36.000	34.000			
2	36.000	34.500			
3	56.500	55.000			
4	56.500	55.000			
5	52.500	50.500			



roadway under span 3, looking east

Route Number: 110004	400	Route Na	ime: I	40 E	Reference Feature:	Н	
Minimum Vertical Clearance   17.130 feet   Maximum Minimum Vertical Clearance   18.020 feet							
Total Horizontal Clearance 42.000 feet Lateral Clearances: Left: 12.920 feet Right 10.080 feet							
✓ Base Highway Netwo	LRS Inv	entory Route, Sub Route Number 10040					
Milepost: 96.030	Number	of Lanes: 2   ADT: 19750   Year of ADT: 2019				Percentage of Trucks:	16
✓ National Highway System							
Functional Classification   11   Local Principal Arterial - Interstate   Direction of Traffic:   1   1 - way traffic							



roadway under span 4, looking west

Route Number: 11000	400	Route Na	me: I	40 W	Reference Feature: H		
Minimum Vertical Clear	ance 14.	980 feet	Maxim	um Minimum Vertical			
Total Horizontal Clearance 42.060 feet Lateral Clearances: Left: 13.360 feet Right 9.920 feet							
Base Highway Network LRS Inventory Route, Sub Route Number 10040							
Milepost: 96.030	Number	of Lanes:	2	Percentage of Trucks: 16			
✓ National Highway System STRAHNET Highway Designator							
Functional Classification   11   Local Principal Arterial - Interstate   Direction of Traffic:   1   1 - way traffic							

Br	idge Inspec	ction Field	Sketch
Roadway	22.5ft Wide	2 Paved Lanes	Looking South
Left Shoulder	6.5ft Wide	0.5ft Paved	6ft Unpaved
Right Shoulder	9ft Wide	1ft Paved	8ft Unpaved
Left Guardrail			
Right Guardrail			
MEASUREMENTS TA	(EN 125' FROM END BENT 2		
		Description	
APPROACH ROADWAY		LOOKING NORTH	

# Bridge Inspection Field Sketch

Deck Width/Out to Out	Betwee		31.333ft			
Clear Roadway	Wearin	Wearing Surface				
Median Width						
Curb Height	Left	9in	Right 9in			
Sidewalk Width	Left	1.7ft Right 1.7ft			t	
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width	Left	11in	Right	11ir	ı	
Top of Rail to Deck/Wearing Surfa	Left	2.146ft	.146ft Right 2.14		46ft	
Bridge Rail Type	Left	Type 11	Riaht	Tvp	e 11	

Measurements for Span #	1	All Spans Similar	
Deck Thickness	7in	Left Overhang	4.75ft
Top of Rail to Bottom of Beam (Avg)	6.667ft	Right Overhang	4.75ft

Beam #	Beam Type	Width	Height	Spacing	From
1	Reinforced Concrete Girder	18in	48in	4.75ft	Left Edge of Deck
2	Reinforced Concrete Girder	18in	48in	8ft	Beam 1
3	Reinforced Concrete Girder	18in	48in	8ft	Beam 2
4	Reinforced Concrete Girder	18in	48in	8ft	Beam 3

#### BEAM DIMENSIONS



Title TYPICAL SECTION				Description LOOKING NORTH				
Structure No: 110064	Drawn By:	JCRODRIGUEZ		Date:	8/9/2023	Filename:	S000930000231.wes	

Bridge Inspection Field Sketch											
Caps # Name	Type	1	enath	Width	He	iaht	Left Beam to	End of C	Cap	Right Beam	to End of Cap
1 Cap 1	Reinfo	orced Concrete Pier Cap 3	31.5ft	36in	42	in	2.5ft			2.5ft	
Piles											
# Name		Type	Spacin	g Fro	om Gurand	( D		Height/	Diam.	Width	Length
1 Plie 1 2 Pile 2		Reinforced Concrete Column	21 5ft	ft Left End of Bent			C	36in 3		36in 36in	12.33π 12.33π
								5011			12.331
Title BENT SKETCH				Descr LOC	iption )KING	n G NOR	ТН				
Structure No: 110064		Drawn By: JCRODRIGUE	Z	1		Date:	8/9/2023	I	Filena	me: S0009	30000232.wes

Date: 08/09/2023



southwest guardrail termination



southeast guardrail termination

County: BURKE

Date: 08/09/2023

Structure Photos



southwest guardrail attachment



southwest guardrail

County: BURKE

Date: 08/09/2023



end bent 1 asphalt



southeast guardrail attachment

County: BURKE

Date: 08/09/2023

Structure Photos



southeast guardrail



southeast guardrail transition



south approach looking north



asphalt wearing surface

County: BURKE

Date: 08/09/2023

Structure Photos



right bridge rail



left bridge rail

County: BURKE

Date: 08/09/2023



bent 1 asphalt



bent 2 asphalt

Date: 08/09/2023

Structure Photos



south approach looking south



bent 3 asphalt

County: BURKE

Date: 08/09/2023



roadway looking west



roadway looking east

Date: 08/09/2023

Structure Photos



north approach looking north



bent 4 asphalt

northwest guardrail attachment



northwest guardrail

## Structure: 110064

County: BURKE

Date: 08/09/2023



northwest guardrail transition



end bent 2 asphalt

County: BURKE

Date: 08/09/2023

Structure Photos



northeast guardrail attachment



northeast guardrail

Date: 08/09/2023

Structure Photos



north approach looking south



northeast guardrail termination

County: BURKE

Date: 08/09/2023

Structure Photos



northwest guardrail termination



northwest wingwall

Date: 08/09/2023

Structure Photos



end bent 2 and slope protection



end bearing assembly



northeast wingwall



beams over bent

Date: 08/09/2023

Structure Photos



roadway under span 4, looking west (I-40 westbound)



east profile looking west

<image>

roadway under span 3, looking east (I-40 eastbound)



west profile looking east

Date: 08/09/2023

Structure Photos



bent 4



superstructure underside

Date: 08/09/2023

Structure Photos



bent 3



bent 2

Date: 08/09/2023

#### Structure Photos



bent 1



southwest wingwall

County: BURKE

Date: 08/09/2023

Structure Photos



## end bent 1 and slope protection



southeast wingwall

County: BURKE

Date: 08/09/2023



interior bearing assembly



intermediate diaphragm

County: BURKE

Date: 08/09/2023

Structure Photos



end diaphragm



bridge number
Structure: 110064

County: BURKE

Date: 08/09/2023

Structure Photos



interior bearing assembly