

ATTENTION: CHANGE TO STRUCTURE DATA, PAR SUBMITTED, REQUEST LIDAR, NEWLY STRUCTURALLY DEFICIENT

Structure Safety Report

Routine Element Inspection - Contract

STRUCTURE NUMBER: 400225	SAP STRUCTURE NO:	0410225	FHWA S	TRUCTURE NO:	00000000	0810225
DIVISION: 7 COUNTY: GUILFOR	D INSPECT	ION DATE:	10/04/2022	FREQUENCY:	24 MON	THS
FACILITY CARRIED: SR1115			MILE	POST:		
LOCATION: 0.3 MI. W. JCT. SR3303						
FEATURE INTERSECTED: 185BUS,US29/	70					
LATITUDE : 36° 1′ 19.08″	LONGITUDE: 7	9° 49' 7.61"				
SUPERSTRUCTURE: REINFORCED CO	NCRETE DECK ON I-BEAN NCRETE DECK ON I-BEAN		ACH SLABS			
SUBSTRUCTURE: END BTS:RC CAP ON	STEEL PILES,INT.BTS:4C	OL.RCP&B	ON SPRD FTG			
SPANS: 4 SPANS. SEE SPAN PROFIL	E SHEET FOR SPAN DET	AILS				
FRACTURE CRITICAL TEMPO	RARY SHORING SO	OUR CRITI	CAL S	COUR PLAN OF	ACTION	
GRADES: (Inspector/NBI Coding) DECK 4	/ 4 SUPERSTRUCTURE	5/5	SUBSTRUCTUR	E 4/4 CUL	VERT N/I	N
POSTED SV: Not Posted		POSTED TTS	T: Not Posted			
OTHER SIGNS PRESENT: NONE						
				n noticed sued for		Number Required
				NO WEIGI	HT LIMIT	0
				NO DELIN	EATORS	0
				NO NARRO V	V BRIDGE	0
			(PENNI	NO ONE LAN	IE BRIDGE	0
				NO LOW CLI	EARANCE	0
				DIRECTION OF INSPECTION	W-E	
				DIRECTION MATCHES PLANS	s NO	
LOOKING EAST		MICHAEL STATE		-		_
INSPECTED BY	SIGNATURE	wh Nive	ASSI	STED BY D. Drum		

IDENTIFICATION	
(1) STATE NAME NORTH CAROLINA BRIDGE 40022	
(8) STRUCTURE NUMBER (FEDERAL) 081022	
(5) INVENTORY ROUTE (ON/UNDER) ON 13101115	CLASSII ICATION ———— CODI
• •	7 (112) NBIS BRIDGE SYSTEM
(3) COUNTY CODE (FEDERAL) 81 (4) PLACE CODE 2800 (6) FEATURE INTERSECTED 185BUS,US29/70	(104) HIGHWAY SYSTEM Inventory Route not on NHS
(7) FACILITY CARRIED SR1115	(26) FUNCTIONAL CLASS Urban Collector
(9) LOCATION 0.3 MI. W. JCT. SR3303	(100) STRAHNET HIGHWAY Not a STRAHNET Route
(11) MILEPOINT 0	.0 (101) PARALLEL STRUCTURE
	0 (102) DIRECTION OF TRAFFIC 2-way traffic
(13) LRS INVENTORY ROUTE & SUBROUTE (16) LATITUDE 36° 1' 19.08" (17) LONGITUDE 79° 49' 7.6'	(402) TEMPORARY STRUCTURE
(98) BORDER BRIDGE STATE CODE PERCENT SHARED	(110) DESIGNATED NATIONAL NETWORK - on national network for trucks
(99) BORDER BRIDGE STRUCTURE NUMBER	(20) TOLL On Free Road
	(21) MAINT -
STRUCTURE TYPE AND MATERIAL	
(43) STRUCTURE TYPE MAIN TYPE Stringer/Multi-beam or girder CODE 36	
	(0.)
(44) STRUCTURE TYPE APPROACH	CONDITION CODI
TYPE CODE	(58) DECK
(45) NUMBER OF SPANS IN MAIN UNIT	4 (59) SUPERSTRUCTURE
(46) NUMBER OF SPANS IN APPROACH	0 (60) SUBSTRUCTURE
(107) DECK STRUCTURE TYPE CODE	1 (61) CHANNEL & CHANNEL PROTECTION
(108)WEARING SURFACE/PROTECTIVE SYSTEM	(62) CULVERTS
(A) TYPE OF WEARING SURFACE CODE	6 LOAD RATING AND POSTING CODI
(B) TYPE OF MEMBRANE CODE	0 (31) DESIGN LOAD H 20 + Mod
(C) TYPE OF DECK PROTECTION CODE	0 (63) OPERATING RATING METHOD - Load Factor
AGE AND SERVICE	(64) OPERATING RATING - HS-38
(27) YEAR BUILT 197	75 (65) INVENTORY RATING METHOD -
(106) YEAR RECONSTRUCTED	0 (66) INVENTORY RATING HS-22
(42) TYPE OF SERVICE ON - Overpass Structure	re (70) BRIDGE POSTING No Posting Required
OFF - Highway CODE 6	(41) STRUCTURE OPEN, POSTED, OR CLOSED
(28) LANES ON STRUCTURE 4 LANES UNDER STRUCTURE 1	6 DESCRIPTION Open, no restriction
(29) AVERAGE DAILY TRAFFIC 700	OO APPRAISAL CODI
(30) YEAR OF ADT 2019 (109) TRUCK ADT PCT	7 (67) STRUCTURAL EVALUATION
(19) BYPASS OR DETOUR LENGTH 1	.0 (68) DECK GEOMETRY
GEOMETRIC DATA	(69) UNDERCLEARANCES, VERT & HORIZ
(48) LENGTH OF MAXIMUM SPAN 90	.0 (71) WATERWAY ADEQUACY
(49) STRUCTURE LENGTH 255	.0 (72) APPROACH ROADWAY ALIGNMENT
• •	.0 (36) TRAFFIC SAFETY FEATURES 1'
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB (52) DECK WIDTH OUT TO OUT 70	(446) 0004/2 001/204 001/204
(32) APPROACH ROADWAY WITH (W/ SHOULDERS) 49	
(33) BRIDGE MEDIAN No median CODE	0 (75) TYPE OF WORK CODE
(34) SKEW 16 (35) STRUCTURE FLARED	0 (76) LENGTH OF STRUCTURE IMPROVEMENT
(10) INVENTORY ROUTE MIN VERT CLEAR 999.	9 (Q4) BRIDGE IMPROVEMENT COST
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR (52) MINLY FOR CLEAR OVER PRINCE PRINCE	.0
(53) MIN VERT CLEAR OVER BRIDGE RDWY (54) MIN VERT UNDERCLEAR: REFERENCE H 16	
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE H 11.	.0
(56) MIN LAT UNDERCLEARANCE LT: 13.	(97) YEAR OF IMPROVEMENT COST ESTIMATE 3
NAME ATION DATA	(114) FUTURE ADT 14,000 YEAR OF FUTURE ADT 20
(38) NAVIGATION CONTROL - CODE	N (90) INSPECTION DATE INSPECTION — 10/22 (91) FREQUENCY
	(92) CRITICAL FEATURE INSPECTION (93) CFI DATE
(111) PIER PROTECTION CODE	· · · · · · · · · · · · · · · ·
	.0 A) FRACTURE CRIT DETAIL A)
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR 0.	O) OTHER OREGINA INOR
(40) NAVIGATION HORIZONTAL CLEARANCE 0.	
	SCOUR

				Sal							raffic	eo			See N	lote Be	low				
	span Number	Facility Carried	Inventory Route	Maximum Minimum Vertical Clearance	Milepoint	Base Highway	LRS Inventory Route	Functional Classification	Number of Lanes	Average Daily Traffic	Year of Average Daily Tra	Total Horizontal Clearanc	Reference Feature	Minimum Vertical Underclearance	Rigth Lateral Underclearance	Left Lateral Underclearance	Underclearance Appraisal Grade	STRAHNET Highway	Direction of Traffic	National Highway System	National Truck Network
L		7	5	10	11	12	13	26	28	29	30	47	54A	54	55	56	69	100	102	104	110
	2	I85S,US29S,US70W	16000850	16.6	35.2	1	10085	12	4	19000	2015	72.8	Н	16.1	23.4	19.2	5		1		
	3	I85N,US29N,US70E	16000850	17.4	35.2	1	10085	12	4	19000	2015	72.3	Н	16.4	23.0	18.8	5		1		

Superstructure Build Details

Span Number 1

Span Length <u>33.875</u>

Skew 71.736

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2372	Square Feet		
9	Fixed Bearing	Fixed Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9
9	Plate Girder	Steel Open Girder/Beam	2493	Feet	Legacy Non Lead Primer System with various Topcoats	2493
2	Concrete and Metal Railing	Other Bridge Railing	68	Feet		
9	Movable Bearing	Movable Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9

Span Number 2

Span Length 92.891

Skew 73.000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
9	Plate Girder	Steel Open Girder/Beam	837	Feet	Legacy Non Lead Primer System with various Topcoats	9612
1	Reinforced Concrete Deck	Reinforced Concrete Deck	6503	Square Feet		
1	Concrete Wearing Surface	Wearing Surface	4691	Square Feet		
1	Standard Joint	Pourable Joint Seal	71	Feet		
9	Movable Bearing	Movable Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9
9	Fixed Bearing	Fixed Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9
2	Concrete and Metal Railing	Other Bridge Railing	186	Feet		

Span Number 3

Span Length 92.030

Skew 74.850

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	6443	Square Feet		
9	Fixed Bearing	Fixed Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9
9	Plate Girder	Steel Open Girder/Beam	837	Feet	Legacy Non Lead Primer System with various Topcoats	9522
1	Standard Joint	Pourable Joint Seal	71	Feet		
2	Concrete and Metal Railing	Other Bridge Railing	184	Feet		

Superstructure Build Details

1	Concrete Wearing Surface	Wearing Surface	4648	Square Feet		
9	Movable Bearing	Movable Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9

Span Number $\underline{4}$ Span Length $\underline{35.708}$ Skew 71.736

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
2	Concrete Railing	Reinforced Concrete Bridge Railing	72	Feet		
1	Concrete Wearing Surface	Wearing Surface	1804	Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2500	Square Feet		
9	Plate Girder	Steel Open Girder/Beam	324	Feet	Legacy Non Lead Primer System with various Topcoats	2746
9	Movable Bearing	Movable Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9
9	Fixed Bearing	Fixed Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9
1	Standard Joint	Pourable Joint Seal	71	Feet		

Structure Element Scoring

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		17,818	4,767	10,439	2,612	0
107		Steel Open Girder/Beam	Beam	4,491	4,436	11	43	1
515	107	Steel Protective Coating	Beam	24,373	24,335	0	29	9
301		Pourable Joint Seal	Expansion Joints	213	176	0	16	21
311		Movable Bearing	Bearing Device	36	5	31	0	0
515	311	Steel Protective Coating	Bearing Device	36	5	14	17	0
313		Fixed Bearing	Bearing Device	36	20	11	5	0
515	313	Steel Protective Coating	Bearing Device	36	20	1	11	4
331		Reinforced Concrete Bridge Railing	Bridge Rail	72	0	72	0	0
333		Other Bridge Railing	Bridge Rail	438	0	420	18	0
510		Wearing Surface	Wearing Surfaces	11,143	11,060	0	83	0
205		Reinforced Concrete Column	Piles and Columns	12	0	2	10	0
215		Reinforced Concrete Abutment	Abutments	140	42	98	0	0
225		Steel Pile	Piles and Columns	30	30	0	0	0
234		Reinforced Concrete Pier Cap	Caps	372	99	123	150	0

Summary of Maintenance Needs

Maintenance By Defect

MMS Code	Element Name	Defect Name	Recommended Quantity		
3326	Reinforced Concrete Deck	Cracking (RC and Other)	10310 Square Feet		
3326	Reinforced Concrete Deck	Delamination/Spall	1303 Square Feet		
3326	Reinforced Concrete Deck	Exposed Rebar	3 Square Feet		
3326	Reinforced Concrete Deck	Patched Areas	60 Square Feet		
3314	Steel Open Girder/Beam	Corrosion	39 Feet		
3348	Reinforced Concrete Column	Cracking (RC and Other)	105 Each		
3348	Reinforced Concrete Column	Delamination/Spall	10 Each		
3348	Reinforced Concrete Column	Patched Area	25 Each		
3348	Reinforced Concrete Pier Cap	Patched Area	2 Feet		
3348	Reinforced Concrete Pier Cap	Exposed Rebar	21 Feet		
3348	Reinforced Concrete Pier Cap	Delamination/Spall	34 Feet		
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	155 Feet		
3310	Pourable Joint Seal	Seal Adhesion	15 Feet		
3310	Pourable Joint Seal	Debris Impaction	6 Feet		
3334	Fixed Bearing	Corrosion	5 Each		
3318	Other Bridge Railing	Connection	1 Feet		
3318	Other Bridge Railing	Delamination/Spall	1 Feet		
3318	Other Bridge Railing	Cracking (RC and Other)	16 Feet		
2816	Wearing Surface	Crack (Wearing Surface) 79			
2816	Wearing Surface	Patched Area/Pothole (Wearing Surface)	4 Square Feet		
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	84 Square Feet		

Element Structure Maintenance Quantities

_						•		
Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Beam	3314	Maintenance Steel Superstructure Components	39	4491	1.000	43.000	11.000	4436.000
Beam	3342	Clean and Paint Steel	38	24373	9.000	29.000	0.000	24335.000
Bearing Device	3334	Bridge Bearing	0	36	0.000	0.000	31.000	5.000
Bearing Device	3334	Bridge Bearing	5	36	0.000	5.000	11.000	20.000
Bearing Device	3342	Clean and Paint Steel	30	36	0.000	17.000	14.000	5.000
Bearing Device	e 3342 Clean and Paint Steel		16	36	4.000	11.000	1.000	20.000
Bridge Rail	3318	3318 Maintenance of Concrete Bridge Rail		72	0.000	0.000	72.000	0.000
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	18	438	0.000	18.000	420.000	0.000
Deck	3326	Maintenance of Concrete Deck	11676	17818	0.000	2612.000	10439.000	4767.000
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	21	213	21.000	16.000	0.000	176.000
Wearing Surfaces	2816	Asphalt Surface Repair	83	11143	0.000	83.000	0.000	11060.000
Abutments	ments 3350 Maintenance of Concrete Wings and Wall		0	140	0.000	0.000	98.000	42.000
Caps	3348 Maintenance of Concrete Substructure		212	372	0.000	150.000	123.000	99.000
Piles and Columns	d Columns 3348 Maintenance of Concrete Substructure		140	12	0.000	10.000	2.000	0.000
Piles and Columns	es and Columns 3354 Maintenance of Steel Substructure Components		0	30	0.000	0.000	0.000	30.000
			1	1	1	1	1	1

Priority Actions Request

Structure Nun	mber 400225		
Span1		_	
3318	Left Bridge Rail	Concrete and	Metal Railing
Priority Level	Defect Type	Quantity	Defect Description
1	Connection	1	Span 1 Left Bridge Rail: PAR: 1 BOLT OF LEFT GUARDRAIL CONNECTION AT END BENT 1 HAS FAILED, CONNECTION STILL FUNCTIONING
Span3			
3326	Deck	Reinforced Co	ncrete Deck
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 3 Deck: PAR: 10 INCH DIAMETER X 1 INCH DEEP SPALL WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS, IN UNDERSIDE BAY 3 AT 3 FEET PAST CENTER DIAPHRAGM
2	Exposed Rebar	2	Span 3 Deck: PAR: 2 FEET X 10 INCH X 5 INCH DEEP SPALL WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS, IN UNDERSIDE OF BAY 5 OVER BENT 2
3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Damage	2	Span 3 Beam 1: PAR: AT BENT 2 LEFT OVERHANG DIAPHRAGM, SPALL 2 FOOT WIDE X 8 INCH LONG X 2 INCH DEEP WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS
3314	Beam 4	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 3 Beam 4: PAR: CORROSION WITH 5/16 INCH SECTION LOSS (15/16 INCH REMAINING) ON LEFT BOTTOM FLANGE FOR OUTER 2 INCH FOR 9 INCH LONG STARTING 7 INCH FROM BENT 3
Bent 3			
3348	Cap 1	Reinforced Co	ncrete Pier Cap
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	1	Bent 3 Cap 1: PAR: 6 INCH X 4 INCH X 5 INCH SPALL ON PEDESTAL UNDER GIRDER 5 SPAN 4 WITH 1 INCH X 1 1/2 INCH UNDER BEARING, NO EXPOSED REINFORCEMENT

REINFORCEMENT





Element Condition and Maintenance Data

Structure	inspection date. In the Inspection date. In t										
Spa	an 1	Deck									
Rei	Reinforced Concrete Deck										
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty				
12	Reinfor	ced Concrete Deck	2,372	0	1,179	1,193	0 S	quare Feet			
	Element Number Defect Type Defect Description 7 12 Cracking (RC and SCATTERED MAP CRACKING UP TO 1/16 INCH					CS Qty	Maint Qty				
√ 12	Cracking (RC and Other)	SCATTERED MAP CRACKING UP WIDE THROUGHOUT UNDERSID ALL SPANS			3	1,186	1,186	Square Feet			
√ 12	Delamination/Spall	LEFT EASTBOUND LANE, SPALL, 4 INCH LONG X 1 1/2 DEEP	1 FOOT WIDE X		3	1	1	Square Feet			
12	Delamination/Spall	TOP OF DECK IN FAR RIGHT EAS AT BENT 1, 6 FEET X 1 FOOT DEI WITH CRACKING UP TO 1/8 INCH	_AMINATION		3	6	6	Square Feet			
√ 12	Cracking (RC and Other)	HAIRLINE MAP CRACKING TOPS WEARING SCATTERED THROUG			2	1,179	1,179	Square Feet			
√ 12	Cracking (RC and Other)	SCATTERED HAIRLINE TRANSVE UNDERSIDE OF BOTH OVERHAN NORTH OVERHANG, (6) IN SOUT	IGS, (4) IN		2			Square Feet			
	General Comments										

Spa	Span 1 Left Bridge Rail								
Coi	ncrete and Metal R	ailing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty		
333	Other Br	ridge Railing	34	0	24	10	0 F	eet	
Eleme Numbe	Defect Type	Defect Description			cs	CS Qty	Maint Qty		
√ 333	Connection	PAR: 1 BOLT OF LEFT GUARDRAIL CO AT END BENT 1 HAS FAILED, CONNEC FUNCTIONING			3	1	1	Feet	
✓ 333	Cracking (RC and Other)	MAP CRACKING UP TO 1/16 INCH WIDI FULL HEIGHT NEAR BENT 1 FOR 8 FEE			3	8	8	Feet	
✓ 333	Delamination/Spall	6 INCH X 3 INCH X 1 INCH DEEP SPALL 1, NO EXPOSED REINFORCEMENT	_ AT BENT		3	1	1	Feet	
✓ 333	Cracking (RC and Other)	HAIRLINE VERTICAL CRACKING THRO UP TO FULL HEIGHT	UGHOUT,		2	24		Feet	
✓ 333	Deterioration (Other)	SCATTERED ABRASION WITH EXPOSE AGGREGATE THROUGHOUT, AGGREG STABLE			2			Feet	
	General Comments								

Spa	Span 1		lge Rail						
Cor	Concrete and Metal Railing								
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty		
333	Other B	ridge Railing	34	0	34	0	0	Feet	
Elemer Numbe	Dofoot Typo	Defect Des	scription		cs	CS Qty	Maint Qty		
✓ 333	Cracking (RC and Other)	HAIRLINE VERTICAL CRACKIN UP TO FULL HEIGHT	IG THROUGHOUT,		2	34		Feet	

General Comments

Span Plate	1 Girder	Beam 1						
Eleme Numb	er	Element Name Open Girder/Beam	Total Qty 277	CS1 Qty 276	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel F	Protective Coating	277	277	0	0	0	Square Feet
Element Number	Defect Type	Defect Des	scription		cs	CS Qty	Maint Qty	
√ 107 □	Damage		AT BENT 1 LEFT OVERHANG DIAPHRAGM, DELAMINATION, 12 INCH X 6 INCH WITH RUST STAINS		2	1		Feet

Spa	n 1	Beam 2						
Plat	te Girder							
	ment mber Steel	Element Name Open Girder/Beam	Total Qty 277	CS1 Qty 276	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	Feet
515	Steel	Protective Coating	277	276	0	1	0	Square Feet
Elemer Numbe	Dofoct Typo	Defect Descrip	tion		cs	CS Qty	Maint Qty	
√ 107	Corrosion	AT BENT 1, CORROSION WITH 1/8 LOSS (7/16 INCH REMAINING) ON WEB FOR 9 INCH LONG			3	1		1 Feet
√ 515	Effectiveness (Stee Protective Coatings	•			3	1		1 Square Feet
	General Comments							

Spa	n 1	Beam 3						
Plat	e Girder							
Nun	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	,
107 515		en Girder/Beam otective Coating	277 277	276 276	0	1		Feet Square Feet
Elemen Numbe	t Defect Type	Defect Descript			cs	CS Qty	Maint Qty	
√ 107	Corrosion	AT BENT 1, CORROSION WITH 1/8 LOSS (7/16 INCH REMAINING) ON WEB FOR 9 INCH			3	1	·	1 Feet
√ 515	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, C LIMITED EFFECTIVENESS, CORRO FULLY ARRESTED			3	1		1 Square Feet
-	General Comments							

Spa	n 1	Beam 4						
Plat	te Girder							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	oen Girder/Beam	277	276	1	0	0	Feet
515	Steel Pr	otective Coating	277	276	0	1	0	Square Feet
Elemen Numbe	Dofoct Type	Defect Des	scription		cs	CS Qty	Maint Qty	
√ 107	Corrosion	AT BENT 1, TOP 9 INCHES OF REPAIR PLATE, 9 INCH HIGH 2 1/2 INCH THICK WITH RUST S	X 9 INCH LONG X		2	1	-	Feet
√ 515	Effectiveness (Steel Protective Coatings)	AT BENT 1, LIMITED EFFECTIVE PROTECTION OF UNDERLYIN	,		3	1		1 Square Feet

Genera	I Comments
--------	------------

Spai	n 1	Beam 5						
Plate	e Girder							
Elen Num 107	nber	Element Name en Girder/Beam	Total Qty 277	CS1 Qty 276	CS2 Qty	CS3 Qty 1	CS4 Qty	
515	Steel Pro	otective Coating	277	276	0	1	0	Square Feet
Element Number	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
√ 107	Corrosion	AT BENT 1, CORROSION WITH 1/4 LOSS (7/16 INCH REMAINING) ON WEB FOR 9 INCH LONG			3	1		1 Feet
√ 515	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, LIMITED EFFECTIVENESS, CORR FULLY ARRESTED			3	1		1 Square Feet

Spa	ın 1	Ве	eam 6						
Plat	e Girder								
	ment nber Steel Op	Element Name en Girder/Beam		Total Qty 277	CS1 Qty 276	CS2 Qty 0	CS3 Qty 1	CS4 Qty	
515	Steel Pro	otective Coating		277	276	0	1	0	Square Feet
Elemen Numbe	Dofoct Typo	D	Defect Description			cs	CS Qty	Maint Qty	
107	Corrosion	AT BENT 1, CORROS LOSS (7/16 INCH REM AND BOTTOM 6 INCH	MAINING) ON TOP 6	INCH		3	1		1 Feet
√ 515	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAIN LIMITED EFFECTIVEN FULLY ARRESTED	,			3	1		1 Square Feet
	General Comments								

Spa	ın 1	Beam 7						
Plat	te Girder							
	ment nber Steel C	Element Name Open Girder/Beam	Total Qty 277	CS1 Qty 276	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel F	Protective Coating	277	276	0	1	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect Descri	ption		CS	CS Qty	Maint Qty	
√ 107	Corrosion	AT BENT 1, CORROSION WITH 1, LOSS (7/16 INCH REMAINING) ON AND BOTTOM 6 INCH OF WEB FO	N TOP 3 INCH		3	1		1 Feet
√ 515	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, LIMITED EFFECTIVENESS, CORF FULLY ARRESTED			3	1		1 Square Feet
	General Comments							

Spa	an 1	Near Beari	ing					
Fixe	ed Bearing							
	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	1	0	0	Square Feet
Elemer Numbe	Defect Type	Defect Dese	cription		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	FRECKLED RUST ON BEARING	PLATES		2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)		EFFECTIVE,		2	1	•	1 Square Feet
	General Comments							

Spa	ın 1	Far Be	earing						
Mov	able Bearing								
	ment nber	Element Name	To C	tal Ity	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing		1	0	1	0	0	Each
515	Steel Pro	otective Coating		1	0	1	0	0	Square Feet
Elemen Numbe	Dofoct Typo	Defec	t Description			cs	CS Qty	Maint Qty	
✓ 311	Corrosion	FRECKLED RUST ON BEA	RING PLATES			2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIA FRECKLED RUST PRESEN	,			2	1	1	Square Feet
•	General Comments								

Spa	Span 1			Bearing					
Fixe	ed Bearing								
	ment mber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313		Fixed Be	earing	1	0	1	0	0	Each
515		Steel Pro	otective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoct	Туре	Defe	ect Description		cs	CS Qty	Maint Qty	
✓ 313	Corrosion		SURFACE CORROSION	ON BEARING PLATES		2	1		Each
√ 515	Effectiveness Protective Co		PROTECTIVE COATING CORROSION PRESENT	INEFFECTIVE, SURFAC	E	3	1		1 Square Feet
•	General Com	ments							

Spa	an 1			Far Bearing						
Mov	vable	Bearing								
	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	1	0	Square Feet
Elemen Numbe		Defect Type		Defect Description			cs	CS Qty	Maint Qty	
✓ 311	Corro	sion	SURFACE CORRO	SION ON BEARING F	PLATES		2	1		Each
√ 515		iveness (Steel ctive Coatings)	PROTECTIVE COA	TING INEFFECTIVE, SENT	SURFACE		3	1		1 Square Feet
•	Genera	al Comments								

Spa	ın 1	Far Bearin	g					
Mov	able Bearing							
	ment nber	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	1	0	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
✓ 311	Corrosion	FRECKLED RUST ON BEARING	PLATES		2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY F FRECKLED RUST PRESENT	EFFECTIVE,		2	1	1	Square Feet
•	General Comments							

Span Mova	1 ble Bearing	Far Beari	ng					
Eleme Numb	ent	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Moval	ole Bearing	1	0	1	0	0	Each
515	Steel	Protective Coating	1	0	0	1	0	Square Feet
Element Number	Defect Type	Defect Des	scription		cs	CS Qty	Maint Qty	
7 311 (Corrosion	SURFACE CORROSION ON BE	EARING PLATES		2	1	•	Each

Structure Number: <u>400225</u> Inspection Date: <u>10/04/2022</u>

3

1 Square Feet

515 Effectiveness (Steel Protective Coatings) PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT

Spar	n 1	Far Bearing	g					
Mova	able Bearing							
Elem Num		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	1	0	Square Feet
Element Number	Dofoct Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
✓ 311	Corrosion	SURFACE CORROSION ON BEA	ARING PLATES		2	1		Each
V	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFE CORROSION PRESENT	CTIVE, SURFACE		3	1		1 Square Feet
G	General Comments							

Spai	n 1	Far Bearin	ng					
Mov	able Bearing							
Elen Num		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	1	0	Square Feet
Element Number	Dofoct Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
7 311	Corrosion	SURFACE CORROSION ON BE	EARING PLATES		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFF CORROSION PRESENT	ECTIVE, SURFACE		3	1		1 Square Feet
(General Comments							

Spa	n 1	Far Bea	ring								
Movable Bearing											
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty				
311	Movable	Bearing	1	0	1	0	0	Each			
515	Steel Pr	otective Coating	1	0	1	0	0	Square Feet			
Elemen Numbe	Dofoct Type	Defect I	Description		cs	CS Qty	Maint Qty				
✓ 311	Corrosion	FRECKLED RUST ON BEAR	ING PLATES		2	1		Each			
√ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIAL FRECKLED RUST RUST ON	•		2	1		Square Feet			
	General Comments										

Spa	n 1	Far Bear	ing					
Mov	able Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movab	le Bearing	1	0	1	0	0	Each
515	Steel F	Protective Coating	1	0	1	0	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect De	escription		cs	CS Qty	Maint Qty	
✓ 311	Corrosion	FRECKLED RUST ON BEARIN	NG PLATES		2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY FRECKLED RUST PRESENT	Y EFFECTIVE,		2	1		1 Square Feet
-	General Comments							

Spa	ın 2	Deck						
Rei	nforced Concrete	Deck						
	ment mber Reinford	Element Name ced Concrete Deck	Total Qty 6,503	CS1 Qty 3,520	Qty Qty Qty Qty		quare Feet	
Elemen Numbe	Defeat Type	Defect Descripti	on		cs	CS Qty	Maint Qty	
√ 12	Cracking (RC and Other)	BAY 4 STARTING 15 FEET FROM BE AREAS UP TO 20 SQUARE FEET OF UP TO 1/16 INCH WIDE WITH RUST	CRACKING		3	40	-	Square Feet
√ 12	Delamination/Spall	3 FEET WIDE DELAMINATION ALON SHOULDER FOR ENTIRE SPAN LEN	-		3	460	460	Square Feet
/ 12	Delamination/Spall	5 INCH X 9 INCH X 5 INCH DEEP SP. SHOULDER AT BENT 1 JOINT, REBA BY PACKED DEBRIS	-		3	5	5	Square Feet
√ 12	Delamination/Spall	6 FEET X 6 INCH X 5 INCH DEEP SP SHOULDER AT BENT 2 JOINT, REBA BY PACKED DEBRIS	•		3	6	6	Square Feet
√ 12	Delamination/Spall	MIDSPAN, ALONG RIGHT SHOULDE FEET OF DELAMINATION	R, 12 SQUARE		3	12	12	Square Feet
/ 12	Cracking (RC and Other)	HAIRLINE MAP CRACKING IN TOP OR RIGHT SHOULDERS FOR FULL WID SHOULDER X FULL LENGTH OF SP.	TH OF		2	1,260	1,260	Square Feet
/ 12	Cracking (RC and Other)	HAIRLINE MAP CRACKING WITH EFFLORESCENCE SCATTERED THI UNDERSIDE	ROUGHOUT		2	1,200	1,200	Square Feet
	General Comments							

Span 2		Beam 1						
Plate Gi	rder							
Element Number	Element Na	ame	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam		93	88	1	4	0	Feet
515	Steel Protective Coating		1,068	1,065	0	3	0	Square Feet
lement umber	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

Structure I	Number: <u>400225</u>	Inspec	Inspection Date: <u>10/04/2022</u>		
√ 107	Corrosion	CORROSION WITH 1/8 INCH SECTION LOSS (1 1/8 INCH REMAINING) ON BOTTOM FLANGES FOR OUTER 2 INCH FOR 3 FEET AT BENT 1 AND 1/8 INCH SECTION LOSS (5/8 INCH REMAINING) ON TOP 1 INCH OF WEB FOR 9 INCH LONG AT BENT 1	3	3	3 Feet
√ 107	Damage	AT BENT 1 BAY 1 DIAPHRAGM, SPALL, 1 FOOT LONG X 2 INCH HIGH X 1 INCH DEEP	3	1	Feet
107	Damage	AT BENT 1 LEFT OVERHANG DIAPHRAGM, DELAMINATION, 12 INCH X 6 INCH WITH EFFLORESCENCE	2	1	Feet
√ 515	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	3	3 Square Feet

General Comments

Spa	ın 2	Beam 2						
Plat	e Girder							
	ment nber Steel Op	Element Name pen Girder/Beam	Total Qty 93	CS1 Qty 92	CS2 Qty	CS3 Qty 1	CS4 Qty 0	
515	Steel Pr	otective Coating	1,068	1,067	0	1	0	Square Feet
Elemen Numbe	Dofoct Type	Defect Desc	ription		cs	CS Qty	Maint Qty	
107	Corrosion	CORROSION WITH 1/8 INCH SE INCH REMAINING) ON TOP 1 IN INCH LONG AT BENT 1		9	3	1		1 Feet
√ 515	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER LIMITED EFFECTIVENESS, COF FULLY ARRESTED	,		3	1		1 Square Feet
-	General Comments							

Spar Plate	n 2 e Girder	Beam 3						
Elem Num 107	ber	Element Name ben Girder/Beam	Total Qty 93	CS1 Qty 92	CS2 Qty 0	CS3 Qty	CS4 Qty	
515	Steel Pro	otective Coating	1,068	1,067	0	1	0	Square Feet
Element Number	Dofoct Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
/ 107	Corrosion	CORROSION WITH 1/8 INCH SE INCH REMAINING) ON TOP 6 IN INCH LONG AT BENT 1	`	9	3	1	•	1 Feet
	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER LIMITED EFFECTIVENESS, COR FULLY ARRESTED	,		3	1		1 Square Feet

Spa	ın 2	Beam 5						
Plat	te Girder							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	93	91	0	2	0	Feet
515	Steel Pro	otective Coating	1,068	1,067	0	1	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect Descri	iption		cs	CS Qty	Maint Qty	
√ 107	Corrosion	3/16 INCH SECTION LOSS (9/16 II ON LOWER 10 INCH AND TOP 3 FOR 10 INCH LONG AT BENT 1. O BEEN ARRESTED	INCH OF WEB	,	3	1		1 Feet
✓ 107	Damage	BENT 1 BAY 5 DIAPHRAGM, SPA INCH X 1 INCH DEEP	LL, 10 INCH X 3		3	1		Feet
√ 515	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, LIMITED EFFECTIVENESS, CORF FULLY ARRESTED			3	1		1 Square Feet
	General Comments							

Spa	an 2	Beam 6						
Pla	te Girder							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel O	pen Girder/Beam	93	91	0	2	0	Feet
515	Steel P	rotective Coating	1,068	1,067	0	1	0	Square Feet
Elemei Numbe	Defeat Time	Defect Descrip	otion		cs	CS Qty	Maint Qty	
✓ 107	Corrosion	AT BENT 2, FULL HEIGHT OF WEE TO 1/16 INCH DEEP WITH RUST S	,		3	1		1 Feet
√ 107	Corrosion	CORROSION WITH 1/8 INCH SECTINCH REMAINING) ON TOP 6 INCH 6 INCH OF WEB FOR 9 INCH LONG	H AND BOTTOM		3	1		1 Feet
√ 515	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, (LIMITED EFFECTIVENESS, CORR FULLY ARRESTED			3	1		1 Square Feet
	General Comments							

Span 2 Beam 7								
Plat	te Girder							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	oen Girder/Beam	93	92	0	1	0	Feet
515	Steel Pr	otective Coating	1,068	1,067	0	1	0	Square Feet
Elemer Numbe	Dofoot Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
√ 107	Corrosion	CORROSION WITH 1/8 INCH SE INCH REMAINING) ON TOP 3 IN 6 INCH OF WEB FOR 9 INCH LC	CH AND BOTTOM		3	1		1 Feet
√ 515	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER LIMITED EFFECTIVENESS, COR FULLY ARRESTED	,		3	1		1 Square Feet
	General Comments							

Spa	ın 2	Beam 9						
Plat	e Girder							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	93	92	0	1	0	Feet
515	Steel Pro	otective Coating	1,068	1,067	0	1	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect Descri	ription		cs	CS Qty	Maint Qty	
√ 107	Corrosion	CORROSION WITH 1/8 INCH SEC INCH REMAINING) ON TOP 1 INC INCH LONG AT BENT 3		9	3	1	-	1 Feet
√ 515	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER LIMITED EFFECTIVENESS, COR FULLY ARRESTED	,		3	1		1 Square Feet
	General Comments							

-	an 2 Indard Joint	Bent 1 Exp	ansion Joint					
Ele	ement mber	Element Name ourable Joint Seal	Total Qty 71	CS1 Qty 56	CS2 Qty	CS3 Qty	CS4 Qty 15	Feet
Elemei Numbe	Dofoot Tyr	pe Defect Desc	cription		cs	CS Qty	Maint Qty	
✓ 301	Seal Adhesion	WESTBOUND LANES, SEPARA MATERIAL OVER BENT 1, UP T FILLER MATERIAL			4	15	15	5 Feet
	General Comme	nts						

Spa	Span 2		ge Rail						
Concrete and Metal Railing									
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty		
333	Other E	Bridge Railing	93	0	85	8	0 F	eet	
Eleme Numbe	Dofoct Typo	Defect De	scription		cs	CS Qty	Maint Qty		
√ 333	Cracking (RC and Other)	MAP CRACKING UP TO 1/16 I TO FULL HEIGHT OF RAIL FO BENT 1			3	8	8	Feet	
✓ 333	Cracking (RC and Other)	SCATTERED HAIRLINE VERT THROUGHOUT, UP TO FULL			2	85		Feet	
	General Comments							-	

Span 2		Right Bridge Rail						
Concret	te and Metal Railing							
Element Number	Element Na	me	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing		93	0	93	0	0 Feet	
lement lumber	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

2

Feet

333 Cracking (RC and Other)

SCATTERED HAIRLINE VERTICAL CRACKING THROUGHOUT, UP TO FULL HEIGHT OF RAIL

Spa	n 2	Near Beari	ng					
Mov	able Bearing							
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	1	0	0	Square Feet
Element Number	Dofoct Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
✓ 311	Corrosion	FRECKLED RUST ON BEARING	PLATES		2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY E FRECKLED RUST PRESENT	FFECTIVE,		2	1		1 Square Feet
-	General Comments							

Spa	an 2	Near Beari	ng					
Mo	vable Bearing							
	ement Imber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movab	le Bearing	1	0	1	0	0	Each
515	Steel F	Protective Coating	1	0	1	0	0	Square Feet
Elemei Numbe	Dofoct Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
✓ 311	Corrosion	FRECKLED RUST ON BEARING	PLATES		2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY E FRECKLED RUST PRESENT	EFFECTIVE,		2	1		1 Square Feet
	General Comments							

Spa	n 2	Near Bear	ing								
Mov	Movable Bearing										
	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	1	0	0	Square Feet			
Elemen Numbe	Dofoct Typo	Defect Des	cription		cs	CS Qty	Maint Qty				
✓ 311	Corrosion	FRECKLED RUST ON BEARING	PLATES		2	1		Each			
√ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY F FRECKLED RUST PRESENT	EFFECTIVE,		2	1		1 Square Feet			
•	General Comments										

Spa	n 2	Near Bea	ring					
Mov	able Bearing							
	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	1	0	0	Square Feet
Elemen Numbe	Defect Type	Defect De	escription		cs	CS Qty	Maint Qty	
✓ 311	Corrosion	FRECKLED RUST ON BEARIN	IG PLATES		2	1	-	Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY FRECKLED RUST PRESENT	/ EFFECTIVE,		2	1		1 Square Feet
-	General Comments							

Spa	an 2	Near Bear	ing					
Mo	vable Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movab	le Bearing	1	0	1	0	0	Each
515	Steel F	Protective Coating	1	0	1	0	0	Square Feet
Elemer Numbe	Dofoct Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
✓ 311	Corrosion	FRECKLED RUST ON BEARING	PLATES		2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY IF	EFFECTIVE,		2	1	,	1 Square Feet
	General Comments							

Spa	n 2	Near Beari	ng					
Mov	able Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	e Bearing	1	0	1	0	0 1	Each
515	Steel Pr	otective Coating	1	0	1	0	0 :	Square Feet
Elemen Numbe	Dofoot Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
7 311	Corrosion	FRECKLED RUST ON BEARING	PLATES		2	1	-	Each
✓ 515 Effectiveness (Steel Protective Coatings)		COATING IS SUBSTANTIALLY E FRECKLED RUST PRESENT	EFFECTIVE,		2	1	1	Square Feet
-	General Comments							

Span 2		Near Bear	ing					
Movable	Bearing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	e Bearing	1	0	1	0	0	Each
515	Steel P	rotective Coating	1	0	1	0	0	Square Feet
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
✓ 311 Corro	sion	FRECKLED RUST ON BEARING	PLATES		2	1		Each

Inspection Date: <u>10/04/2022</u> Structure Number: 400225

2

1 Square Feet

Effectiveness (Steel Protective Coatings) **√** 515

COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST PRESENT

Spai	n 2	Near Bearin	ıg					
Mov	able Bearing							
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	1	0	0	Square Feet
Element Number	Dofoct Typo	Defect Desci	ription		cs	CS Qty	Maint Qty	
✓ 311	Corrosion	FRECKLED RUST ON BEARING	PLATES		2	1	-	Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFRECKLED RUST PRESENT	FECTIVE,		2	1		1 Square Feet
(General Comments							

Spa	n 2	Near Be	aring					
Mov	able Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	1	0	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect D	escription		cs	CS Qty	Maint Qty	
✓ 311	Corrosion	FRECKLED RUST ON BEARI	NG PLATES		2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALL FRECKLED RUST PRESENT	Y EFFECTIVE,		2	1		1 Square Feet
•	General Comments							

Spa	an 3	Deck						
Rei	nforced Concrete	Deck						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinford	ced Concrete Deck	6,443	1,247	4,415	781	0 S	quare Feet
Elemei Numbe	Dofoot Typo	Defect Description	on		cs	CS Qty	Maint Qty	
√ 12	Delamination/Spall	4 FEET X 6 INCH X 5 INCH DEEP SPA EXPOSED REBAR IN UNDERSIDE OF BENT 3, NO SECTION LOSS		?	3	4	4	Square Feet
√ 12	Delamination/Spall	DELAMINATION 360 SQUARE FEET I WESTBOUND SHOULDER AND 360 S IN EASTBOUND SHOULDER		Т	3	720	720	Square Feet
√ 12	Delamination/Spall	UP TO 4 FEET X 1 FOOT X 5 INCH DI ON LEFT SHOULDER AT BENT 2 JOI COVERED BY PACKED DEBRIS			3	4	4	Square Feet
√ 12	Exposed Rebar	PAR: 10 INCH DIAMETER X 1 INCH D WITH EXPOSED REBAR, 5 PERCENT LOSS, IN UNDERSIDE BAY 3 AT 3 FE CENTER DIAPHRAGM	T SECTION		3	1	1	Square Feet

Structure	Number: <u>400225</u>			Insp	ection D	ate: 10/04/2022
√ 12	Exposed Rebar	PAR: 2 FEET X 10 INCH X 5 INCH DEEP SPALL WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS, IN UNDERSIDE OF BAY 5 OVER BENT 2	3	2	2	Square Feet
√ 12	Patched Areas	LEFT SHOULDER, UP TO 50 SQUARE FEET OF UNSOUND PATCHED AREAS WITH CRACKS UP TO 1/16 INCH WIDE WITH EFFLORESCENCE	3	50	50	Square Feet
√ 12	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKING IN LEFT AND RIGHT SHOULDERS FOR FULL WIDTH OF SHOULDER X FULL LENGTH OF SPAN	2	1,200		Square Feet
√ 12	Cracking (RC and Other)	SCATTERED THROUGHOUT BOTH OVERHANGS, HAIRLINE TRANSVERSE CRACKS WITH EFFLORESCENCE	2	540	540	Square Feet
√ 12	Cracking (RC and Other)	THROUGHOUT UNDERSIDE IN ALL BAYS, HAIRLINE CRACKS WITH EFFLORESCENCE	2	2,500	2,500	Square Feet
√ 12	Patched Areas	IN BAYS 2 AND 3, SCATTERED FORMWORK LEFT IN PLACE	2	175		Square Feet
	General Comments					

Spa	an 3	Bent 2 Ex	oansion Joint								
Sta	Standard Joint										
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty				
301	Pourabl	e Joint Seal	71	65	0	0	6 Feet				
Elemei Numbe	Dofoot Typo	Defect Des	cription		cs	CS Qty	Maint Qty				
✓ 301	Debris Impaction	LEFT SHOULDER, JOINT IS CO WITH VEGETATION GROWTH	MPLETELY FILLED		4	6	6 Feet				
	General Comments							_			

Spa	an 3	Beam 1						
Pla	te Girder							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel	l Open Girder/Beam	93	90	0	3	0	Feet
515	Steel	Protective Coating	1,058	1,057	0	1	0	Square Feet
Elemer Numbe	Dofoot Typo	Defect Descri	iption		cs	CS Qty	Maint Qty	
√ 107	Corrosion	CORROSION WITH 1/16 INCH SE FULL HEIGHT OF WEB AT END C			3	1		1 Feet
√ 107	Damage	PAR: AT BENT 2 LEFT OVERHAN SPALL 2 FOOT WIDE X 8 INCH LO DEEP WITH EXPOSED REBAR, 5 SECTION LOSS	ONG X 2 INCH		3	2		Feet
√ 515	Effectiveness (Stee Protective Coatings				3	1		1 Square Feet
	General Comments	S						

Spa	an 3	Beam 2						
Pla	te Girder							
	ement Imber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	93	91	1	1	0	Feet
515	Steel Pr	otective Coating	1,058	1,057	0	0	1	Square Feet
Elemei Numbe	Defect Type	Defect Descr	iption		cs	CS Qty	Maint Qty	
√ 107	Corrosion	CORROSION WITH SECTION LOS REMAINING) ON BOTH BOTTOM OUTER 2 INCH FOR 1 FOOT AT E	FLÀNGES FOR		3	1		1 Feet
✓ 107	Corrosion	WELDED REPAIR TO BOTH SIDE BEARING STIFFENERS AT BENT INCH X 3/8 INCH THICK STEEL P	3, 9 INCH X 8		2	1		Feet
√ 515	Effectiveness (Steel Protective Coatings)	COATING FAILING, CORROSION LOSS AT BENT 3	WITH SECTION		4	1		1 Square Feet
	General Comments							

Spa	an 3		Be	am 3						
Pla	te Girder									
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107		Steel Op	en Girder/Beam		93	90	1	2	0	Feet
515		Steel Pro	tective Coating		1,058	1,057	0	1	0	Square Feet
Elemei Numbe	Dofoot	Туре	Do	efect Description			cs	CS Qty	Maint Qty	
√ 107	Corrosion		CORROSION WITH 1/8 INCH REMAINING) ON FOR 2 FEET LONG AT	LOWER 4 INCH OF			3	2		2 Feet
✓ 107	Corrosion		WELDED REPAIR TO I BEARING STIFFENER INCH X 3/8 INCH THIC	S AT BENT 3, 9 INC			2	1		Feet
√ 515	Effectiveness Protective Co	`	SECTION LOSS PAINT LIMITED EFFECTIVEN FULLY ARRESTED	,			3	1		1 Square Feet
	General Com	ments								

Spa	Span 3							
Plat	e Girder							
	nent nber Steel	Element Name Open Girder/Beam	Total Qty 93	CS1 Qty 91	CS2 Qty	CS3 Qty 0	CS4 Qty	-eet
515		Protective Coating	1,058	1,057	0	0		Square Feet
Elemen Number	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
✓ 107	Corrosion	PAR: CORROSION WITH 5/16 INC LOSS (15/16 INCH REMAINING) O FLANGE FOR OUTER 2 INCH FO STARTING 7 INCH FROM BENT 3	N LEFT BOTTON R 9 INCH LONG	М	4	1	1	Feet
√ 107	Corrosion	WELDED REPAIR TO BOTH SIDE: BEARING STIFFENERS AT BENT INCH X 3/8 INCH THICK STEEL PL	3, 9 INCH X 8		2	1		Feet

Inspection Date: <u>10/04/2022</u> Structure Number: 400225

1 Square Feet

√ 515 Effectiveness (Steel Protective Coatings) COATING FAILING ON BOTTOM FLANGE NEAR BENT 3, CORROSION WITH SECTION LOSS PRESENT

General Comments

Spa	n 3		В	Beam 5						
Plate	e Girder									
Element Number 107		Steel Ope	Element Name n Girder/Beam		Total Qty 93	CS1 Qty 91	CS2 Qty	CS3 Qty	CS4 Qty	Feet
515		Steel Prot	ective Coating		1,058	1,057	0	0	1	Square Feet
Element Number	Defect	Гуре		Defect Description	n		cs	CS Qty	Maint Qty	
7 107	Corrosion		CORROSION ARRES SECTION LOSS (3/4 BOTTOM FLANGES FOOT STARTING AT	INCH REMAINING FOR OUTER 2 IN	G) ON BOTH		3	1		1 Feet
/ 107	Corrosion		AT BENT 2, TOP 6 IN REPAIR PLATE, 6 IN THICK WITH RUST S	ICH X 6 INCH X 1/2			2	1		Feet
7 107	Corrosion		WELDED REPAIR TO BEARING STIFFENE INCH X 3/8 INCH TH	ERS AT BENT 3, 9	INCH X 8		2			Feet
515	Effectiveness Protective Coa	(COATING FAILING (3, CORROSION WIT			-	4	1		1 Square Feet
-	General Comn	nents			·					

Span 3		Beam 6						
Plat	te Girder							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	oen Girder/Beam	93	90	0	3	0	Feet
515	Steel Pr	otective Coating	1,058	1,056	0	2	0	Square Feet
Elemer Numbe	Dofoot Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
√ 107	Corrosion	CORROSION WITH 1/16 INCH F INCH REMAINING) ON FULL HE BENT 2			3	1		1 Feet
<u>/</u> 107	Corrosion	CORROSION WITH 1/4 INCH SE INCH REMAINING) ON BOTTOM OUTER 2 INCH FOR 6 INCH LO	I FLANGES FOR		3	1		1 Feet
<u>/</u> 107	Corrosion	WELDED PLATE REPAIR TO BO LEFT BEARING STIFFENER AT HIGH X 4 INCH WIDE X 3/8 INCI RUST SCALE	BENT 3, 5 INCH		3	1		1 Feet
√ 515	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER LIMITED EFFECTIVENESS, COR FULLY ARRESTED			3	2	2	2 Square Feet

Span 3	3	I	Beam 7						
Plate (Girder								
Elemei Numbe		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Ope	en Girder/Beam		93	91	0	2	0	Feet
515	Steel Pro	tective Coating		1,058	1,056	0	2	0	Square Feet
Element Number	Defect Type		Defect Description			cs	CS Qty	Maint Qty	
☑ 107 C	orrosion	INCH REMAINING) FOR 20 INCH LONG SECTION LOSS (1	1/8 INCH SECTION L ON LOWER 6 INCH C G AT BENT 3 AND 1/4 NCH REMAINING) ON ITER 2 INCH FOR 1 F FROM BENT 3	OF WEB INCH N BOTTOM	M	3	2		2 Feet
-	ffectiveness (Steel rotective Coatings)		INTED OVER, COATII ENESS, CORROSION			3	2		2 Square Feet
Ge	neral Comments								

Spa	n 3	Beam 8							
Plate Girder									
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty		
107	Steel Op	en Girder/Beam	93	91	0	2	0	Feet	
515	Steel Pro	otective Coating	1,058	1,056	0	2	0	Square Feet	
Elemen Numbe	Dofoct Typo	Defect Descr	iption		cs	CS Qty	Maint Qty		
√ 107	Corrosion	CORROSION WITH 1/16 INCH SE INCH REMAINING) ON LOWER 3 AND 1/16 INCH SECTION LOSS (REMAINING) ON BOTTOM FLANG 2 INCH FOR 2 FEET LONG AT BE	INCH OF WEB 1 3/16 INCH GES FOR OUTER		3	2		2 Feet	
√ 515	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, LIMITED EFFECTIVENESS, CORI FULLY ARRESTED			3	2		2 Square Feet	

Spai	n 3	Beam 9						
Plate	e Girder							
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	93	92	0	1	0	Feet
515	Steel Pr	otective Coating	1,058	1,057	0	1	0	Square Feet
Element Number	Dofoot Typo	Defect Descr	iption		cs	CS Qty	Maint Qty	
<u>/</u> 107	Corrosion	CORROSION WITH 1/8 INCH SEC INCH REMAINING) ON TOP 1 INC INCH LONG AT BENT 3		9	3	1	-	1 Feet
√ 515	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, LIMITED EFFECTIVENESS, CORI FULLY ARRESTED			3	1		1 Square Feet
-	Oamanal Camananta							

Spa	Span 3 Far Bearing								
Fixe	ed Bearing								
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty		
313	Fixed B	earing	1	0	1	0	0	Each	
515	Steel Pr	otective Coating	1	0	0	1	0	Square Feet	
Elemen Numbe	Dofoct Typo	Defect D	escription		cs	CS Qty	Maint Qty		
✓ 313	Corrosion	SURFACE CORROSION ON	BEARING PLATES		2	1		Each	
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEI CORROSION PRESENT	FFECTIVE, SURFACE		3	1		1 Square Feet	
-	General Comments								

Spa	an 3	Far Be	aring								
Fixe	Fixed Bearing										
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty				
313	Fixed B	earing	1	0	1	0	0	Each			
515	Steel P	rotective Coating	1	0	0	1	0	Square Feet			
Elemer Numbe	Dofoot Typo	Defect	Description		cs	CS Qty	Maint Qty				
✓ 313	Corrosion	SURFACE CORROSION OF	N BEARING PLATES		2	1		Each			
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING IN CORROSION PRESENT	EFFECTIVE, SURFACE		3	1	,	1 Square Feet			
	General Comments										

Spa	an 3			Far Bearing						
Fixe	ed Bea	aring								
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313		Fixed Be	aring		1	0	1	0	0	Each
515		Steel Pro	otective Coating		1	0	0	1	0	Square Feet
Elemer Numbe	· ·	Defect Type		Defect Description			cs	CS Qty	Maint Qty	
✓ 313	Corros	sion	SURFACE CORRO	OSION ON BEARING F	PLATES		2	1		Each
√ 515		iveness (Steel ctive Coatings)	PROTECTIVE COA	ATING INEFFECTIVE, SENT	SURFACE		3	1		1 Square Feet
	Genera	I Comments								

Span 3		Far Bearing							
Fixed Bearing									
Element Number	Element Nan	ne	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	
lement umber	Defect Type	Defect Description			cs	CS Qty	Maint Qty		

Structure	Inspe	ction Date: 10/04/2022			
√ 313	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1	Each
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1 Square Feet
	General Comments				<u> </u>

Spa	ın 3	Near Be	aring							
Movable Bearing										
	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	1	0	0	Square Feet		
Elemen Numbe	Dofoct Typo	Defect D	escription		cs	CS Qty	Maint Qty			
√ 311	Corrosion	FRECKLED RUST ON BEAR	NG PLATES		2	1		Each		
√ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALL FRECKLED RUST PRESENT			2	1	,	1 Square Feet		
•	General Comments									

Spa	an 3	Far Bear	ing					
Fixe	ed Bearing							
	ment mber	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
Elemer Numbe	Dofoct Type	Defect De	escription		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	SURFACE CORROSION ON E	BEARING PLATES		2	1		Each
√ 515	515 Effectiveness (Steel PROTECTIVE CO Protective Coatings) CORROSION PRE		FECTIVE, SURFACE		3	1	•	I Square Feet
	General Comments							

Spa	ın 3	Near Bea	aring							
Movable Bearing										
	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 Pr	otective Coating	1	0	0	1	0	Square Feet		
Elemen Numbe	Dofoot Typo	Defect D	escription		cs	CS Qty	Maint Qty			
✓ 311	Corrosion	SURFACE CORROSION ON E	BEARING PLATES		2	1		Each		
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEF	FFECTIVE, SURFACE		3	1	1	Square Feet		
•	General Comments									

Spa	ın 3			Far Bearing						
Fixe	ed Bea	ring								
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313		Fixed Be	aring		1	0	1	0	0	Each
515		Steel Pro	otective Coating		1	0	0	1	0	Square Feet
Elemen Numbe	. D	efect Type		Defect Description			cs	CS Qty	Maint Qty	
✓ 313	Corrosi	on	SURFACE CORRC	SION ON BEARING F	PLATES		2	1		Each
√ 515		eness (Steel PROTECTIVE COA ve Coatings) CORROSION PRES		ATING INEFFECTIVE, SENT	SURFACE		3	1		1 Square Feet
•	General	Comments								

Spa Mov	n 3 /able Bearing	Near B	earing					
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Mo	vable Bearing	1	0	1	0	0	Each
515	Ste	el Protective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoct Type	e Defect	Description		cs	CS Qty	Maint Qty	
√ 311	Corrosion	SURFACE CORROSION ON	N BEARING PLATES		2	1		Each
√ 515	Effectiveness (Ste Protective Coating		EFFECTIVE, SURFACE		3	1		1 Square Feet
•	General Commen	ts			-	-		

Spa	ın 3	Far Bearii	ng					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	1	0	0 1	Each
515	Steel P	rotective Coating	1	0	0	1	0 :	Square Feet
Elemen Numbe	Dofoot Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	SURFACE CORROSION ON BEARING			2	1	-	Each
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFF CORROSION PRESENT	ECTIVE, SURFACE		3	1	1	Square Feet
	General Comments							

Span 3		Near Bear	ring					
Movable E	Bearing							
Element Number		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	1	0	Square Feet
Element Number	Defect Type	Defect Des	scription		cs	CS Qty	Maint Qty	
✓ 311 Corros	sion	SURFACE CORROSION ON BE	EARING PLATES		2	1		Each

Inspection Date: <u>10/04/2022</u> Structure Number: 400225

3

1 Square Feet

PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT Effectiveness (Steel Protective Coatings) **√** 515

Spa	ın 3	Far Bearir	ng					
Fixe	ed Bearing							
	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	1	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	SURFACE CORROSION ON BE	EARING PLATES		2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT			3	1		1 Square Feet
-	General Comments							

Spar	າ 3	Near Beari	ng					
Mov	able Bearing							
Elem Num		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	1	0	Square Feet
Element Number	Dofoct Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION ON BEA	ARING PLATES		2	1	-	Each
	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT			3	1		1 Square Feet
(General Comments							

Spa	an 3	Far Beari	ng					
Fix	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	Bearing	1	0	1	0	0	Each
515	Steel P	rotective Coating	1	0	0	1	0	Square Feet
Elemei Numbe	Dofoot Typo	Defect De	scription		cs	CS Qty	Maint Qty	
✓ 313	313 Corrosion SURFACE CORRO		EARING PLATES		2	1		Each
√ 515	515 Effectiveness (Steel PROTECTIVE COAT Protective Coatings) CORROSION PRES		FECTIVE, SURFACE		3	1	1	I Square Feet
	General Comments							

Spa	an 3	Wearing	Surface								
Coi	Concrete Wearing Surface										
	ment mber Wearing	Element Name Surface	Total Qty 4,648	CS1 Qty 4,620	CS2 Qty 0	CS3 Qty 28	CS4 Qty 0 S	Square Feet			
Elemei Numbe	Dofoct Typo	Defect De	scription		cs	CS Qty	Maint Qty				
√ 510	Crack (Wearing Surface)	SCATTERED TRANSVERSE C 1/16 INCH WIDE FOR 50 PERC JOINT LENGTH AT BENT 2			3	24	24	Square Feet			
√ 510	Patched Area/Pothole (Wearing Surface)	WESTBOUND LANE, 10 FEET POTHOLES UP TO 2 FOOT DI ADJACENT CRACKS UP TO 1/	AMETER WITH		3	4	4	Square Feet			
	General Comments										

Spa	an 3	Left Bridg	e Rail					
Co	ncrete and Metal R	ailing						
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other B	ridge Railing	92	0	92	0	0 Feet	
Eleme Numbe	Dofoot Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
✓ 333	Cracking (RC and Other)	SCATTERED HAIRLINE VERTION THROUGHOUT, UP TO FULL H			2	92	Feet	
	General Comments							

Spa	an 3	Right Brid	ge Rail								
Co	Concrete and Metal Railing										
	ement ımber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty				
333	Other B	ridge Railing	92	0	92	0	0 Feet				
Eleme Numb	Dofoot Typo	Defect Des	cription		cs	CS Qty	Maint Qty				
✓ 333	333 Cracking (RC and SCATTERED HAIF THROUGHOUT, U				2	92	Feet				
	General Comments										

Span 4	Deck	
Reinforced Concrete Deck		

	nent nber				CS2 Qty		CS4 Qty	
12	Reinfor	Reinforced Concrete Deck		0 0	2,385	115	0 S	Square Feet
Elemen Numbe	Dofoot Typo	Defect Descrip	otion		cs	CS Qty	Maint Qty	
1 2	Cracking (RC and Other)	8 FEET TRANSVERSE CRACK UP WIDE IN FAR RIGHT EASTBOUND NEAR END BENT 2	,		3	20	20	Square Feet
√ 12	Delamination/Spall	26 FEET X 3 FEET DELAMINATION CENTERLINE AND WESTBOUND I BENT 2 WITH (2) SPALLS UP TO 2 X 1 1/2 INCH DEEP, NO EXPOSED REINFORCEMENT	ANES AT END FEET X 9 INCH		3	82	82	Square Feet

Structure	Number: <u>400225</u>			Inspe	ection D	ate: 10/04/2022
√ 12	Delamination/Spall	BENT 3 LEFT OVERHANG SOFFIT, 8 INCH DIAMETER DELAMINATION	3	1	1	Square Feet
√ 12	Delamination/Spall	EASTBOUND LANE AT END BENT 2, SPALL, 18 INCH WIDE X 8 INCH LONG X UP TO 1 INCH DEEP	3	2	2	Square Feet
√ 12	Patched Areas	NEAR CENTERLINE OF ROAD IN EASTBOUND LANE, UNSOUND ASPHALT PATCH, 5 FEET WIDE X 2 FEET LONG WITH AREAS OF SPALLS UP TO 2 INCH DEEP	3	10	10	Square Feet
√ 12	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKING THROUGHOUT DECK UNDERSIDE	2	1,700	1,700	Square Feet
√ 12	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKING THROUGHOUT EXPOSED TOPSIDE	2	685	685	Square Feet
	General Comments				·	

General Comments	
------------------	--

Spa	ın 4	Beam 3							
Plat	te Girder								
	ment mber	Eleme	ent Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	;	Steel Open Girder/I	n Girder/Beam 36 32				3	0	Feet
515	;	Steel Protective Coating 292 289				0	0	3	Square Feet
Elemen Numbe	Dofoot T	уре	Defect D	escription		cs	CS Qty	Maint Qty	
√ 107	Corrosion	SECTIOI BOTTOI FEET ST INCH SI	N LOSS (9/16 INCH F M FLANGES FOR OL ARTING 1.5 FEET F	ROM BENT 3 WITH 1/8 INCH REMAINING) ON	;	3	3	3	3 Feet
✓ 107	Corrosion	WELDE	3, LEFT BEARING S REPAIR PLATE, 5 I ICK WITH RUST SC	NCH X 5 INCH X 1/2		2	1		Feet
√ 515	Effectiveness Protective Coa	itings) WITH SE	CTIVE COATING FAIL			4	3		Square Feet
	General Comm	ents							

Spa	an 4	n 4 Beam 4						
Pla	te Girder							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel	Open Girder/Beam	36	34	0	2	0	Feet
515	Steel	Protective Coating	292	290	0	0	2	Square Feet
Elemei Numbe	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
√ 107	Corrosion	CORROSION HAS BEEN ARREST 3/4 INCH SECTION LOSS (1/2 INC ON BOTTOM LEFT FLANGE FOR FOR 18 INCH LONG STARTING 8 BENT 3	H REMAINING) OUTER 2 INCH		3	2	:	2 Feet
√ 515	Effectiveness (Steel Protective Coatings)		,		4	2	;	2 Square Feet
	General Comments							

Span 4		Beam 5						
Plate Gird	ler							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Ope	en Girder/Beam	36	33	0	3	0	Feet
515	Steel Pro	tective Coating	292	291	0	1	0	Square Feet
Element Number	efect Type	Defect Descr	iption		cs	CS Qty	Maint Qty	
107 Corros	ion	CORROSION WITH 1/8 INCH SEC INCH REMAINING) ON BOTTOM OUTER 2 INCH FOR 2 FEET LON	FLANGES FOR		3	2	:	2 Feet
107 Corros	ion	WELDED STEEL PLATE REPAIR BEHIND BEARING STIFFENER A' LONG X FULL HEIGHT WITH RUS	T BENT 3, 6 INCH		3	1		Feet
	veness (Steel tive Coatings)	SECTION LOSS PAINTED OVER, LIMITED EFFECTIVENESS, CORI FULLY ARRESTED			3	1		1 Square Feet

Spa	an 4								
Pla	te Girder								
	ment mber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	S	Steel Open Girder/Beam		36	34	1	1	0	Feet
515	S	Steel Protective Coating		292	291	0	0	1	Square Feet
Elemei Numbe	Dofoct Ty	/pe	Defect Description			cs	CS Qty	Maint Qty	
<u>√</u> 107	Corrosion	3/16 INCH SECTION	BEEN ARRESTED WITI ON LOSS (9/16 INCH REI OF WEB FOR 10 INCH LO	MAINING)		3	1		l Feet
✓ 107	Corrosion	LEFT BEARING S	REPAIR TO BOTH SIDES TIFFENER AT BENT 3, 5 IDE X 3/8 INCH THICK	_		2	1		Feet
√ 515	Effectiveness (S		ATING FAILING AT BENT H SECTION LOSS PRES	,		4	1		Square Feet
	General Comme	ents							

Spar	n 4		Beam 7					
Plate	e Girder							
Elem Num 107		Element Nam	Total Qty 36	CS1 Qty 34	CS2 Qty	CS3 Qty	CS4 Qty	
515		Steel Open Girder/Beam Steel Protective Coating	292	290	0	2	0 Feet 0 Square Feet	
Element Number	Dofoot	Туре	Defect Description		cs	CS Qty	Maint Qty	
√ 107	Corrosion	INCH REMAININ OUTER 2 INCH I INCH FROM BEI	CORROSION WITH 1/8 INCH SECTION LOSS (5/8 INCH REMAINING) ON BOTTOM FLANGES FOR OUTER 2 INCH FOR 15 INCH LONG STARTING 8 INCH FROM BENT 3 AND 1/8 INCH SECTION LOSS (7/16 INCH REMAINING) ON TOP 8 INCH OF WEB FOR 10 INCH LONG AT BENT 3			2	2 Feet	

Inspection Date: <u>10/04/2022</u> Structure Number: 400225

√ 515

Effectiveness (Steel Protective Coatings) SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED

2 Square Feet

General Comments

Span	4	Beam 8						
Plate	Girder							
Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel O	oen Girder/Beam	36	34	2	0	0	Feet
515	Steel Pr	otective Coating	292	290	0	2	0	Square Feet
Element Number	Defect Type	Defect Desc	ription		cs	CS Qty	Maint Qty	
7 107 C	Corrosion	CORROSION WITH 1/16 INCH SI (11/16 INCH REMAINING) ON BC FOR OUTER 1 INCH FOR 2 FEE BENT 3 AND 1/16 INCH SECTION REMAINING) ON LOWER 3 INCH OF WEB FOR 10 INCH AT BENT	OTTOM FLANGES IT STARTING AT N LOSS (1/2 INCH IT AND TOP 5 INCH		2	2		Feet
	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER LIMITED EFFECTIVENESS, COR FULLY ARRESTED	•		3	2		2 Square Feet

Spa	ın 4	Bent 3 Expansion Joint						
Star	ndard Joint							
Nur	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourab	le Joint Seal	71	55	0	16	0 Feet	
Elemen Numbe	Dofoot Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
✓ 301	Seal Adhesion	LOSS OF SEAL ADHESION ALI JOINT IN SHOULDERS	ONG EXPOSED		3	16	Feet	

Conoral	Comments
General	Comments

Spa	ın 4	Wearing	Surface					
Cor	ncrete Wearing Sເ	ırface						
Nur	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	vvearing	g Surface	1,804	1,749	0	55	0 Sc	quare Feet
Elemer Numbe	Dofoot Typo	Defect De	scription		cs	CS Qty	Maint Qty	
√ 510	Crack (Wearing Surface)	TRANSVERSE CRACK UP TO BENT 3 JOINT	1/4 INCHES WIDE A	ΛT	3	55	55	Square Feet

Span 4 L		Left Bridge I	Rail					
Cor	ncrete Railing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinford	ced Concrete Bridge Railing	36	0	36	0	0 Feet	
Elemer Numbe	Defect Type	Defect Descri	ption		cs	CS Qty	Maint Qty	
✓ 331	Cracking (RC and Other)	SCATTERED HAIRLINE VERTICAL THROUGHOUT, UP TO FULL HEIGH			2	36	Feet	
	General Comments							_

Spa	an 4			Near Bearing						
Mov	vable E	Bearing								
	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	1	0	Square Feet
Elemer Numbe		Defect Type		Defect Description			cs	CS Qty	Maint Qty	
✓ 311	Corros	sion	SURFACE CORRO	OSION ON BEARING I	PLATES		2	1		Each
√ 515		veness (Steel tive Coatings)	PROTECTIVE COA	ATING INEFFECTIVE, SENT	SURFACE		3	1		1 Square Feet
	Genera	I Comments								

Spa	n 4	Far Bear	ing					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect De	escription		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	CORROSION WITH PACK RUST, NO SECTION LOSS			3	1	1	Each
✓ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEF	FECTIVE, SURFACE		3	1	1	Square Feet
•	General Comments							

Spa	ın 4	Near Be	aring					
Mov	vable Bearing							
	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 Pr	otective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect D	Description		cs	CS Qty	Maint Qty	
√ 311	Corrosion	SURFACE CORROSION ON	BEARING PLATES		2	1	-	Each
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INE CORROSION PRESENT	FFECTIVE, SURFACE		3	1	•	1 Square Feet
•	General Comments							

Spa	n 4	Far Be	aring					
Fixe	ed Bearing							
	ment 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	Dofoct Typo	Defect	Description		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	CORROSION WITH PACK I LOSS	RUST, NO SECTION		3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING FAILING, PACK I	RUST PRESENT		4	1		1 Square Feet
-	General Comments							

Spa	n 4	Near Beari	ng					
Mov	able Bearing							
	ment nber	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	1	0	Square Feet
Elemen Number	Dofoct Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
✓ 311	Corrosion	SURFACE CORROSION ON BE	ARING PLATES		2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFE CORROSION PRESENT	ECTIVE, SURFACE		3	1		1 Square Feet
-	General Comments							

Spa	n 4	F	ar Bearing						
Fixe	ed Bearing								
	ment mber	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	otective Coating		1	0	0	0	1	Square Feet
Elemer Numbe	Dofoct Typo		Defect Description			cs	CS Qty	Maint Qty	
✓ 313	Corrosion	CORROSION WITH I	PACK RUST, NO SECT	ION		3	1	•	1 Each
√ 515	Effectiveness (Steel Protective Coatings)	COATING FAILING, I	PACK RUST PRESENT	•		4	1	•	1 Square Feet
	General Comments								

Span 4		Near Bearing						
Movable	e Bearing							
Element Number	Element N	ame	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing		1	0	1	0	0	Each
515	Steel Protective Coating		1	0	0	1	0	Square Feet
lement umber	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

Structure	Number: <u>400225</u>	Inspe	Inspection Date: 10/04/2022		
√ 311	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1	Each
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1 Square Feet
	General Comments				

Spa	an 4	Near Bea	ring					
Mov	vable Bearing							
	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	1	0	Square Feet
Elemen Numbe	Defect Type	Defect De	scription		cs	CS Qty	Maint Qty	
√ 311	Corrosion	SURFACE CORROSION ON B	EARING PLATES		2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFI CORROSION PRESENT	FECTIVE, SURFACE		3	1		1 Square Feet
	General Comments							

Spa	an 4			Near Bearing						
Mov	vable B	earing								
	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	1	0	Square Feet
Elemer Numbe	D/	efect Type		Defect Description			cs	CS Qty	Maint Qty	
✓ 311	Corrosi	on	SURFACE CORRO	SION ON BEARING F	PLATES		2	1		Each
√ 515		eness (Steel ive Coatings)	PROTECTIVE COA	ATING INEFFECTIVE, SENT	SURFACE		3	1	1	Square Feet
	General	Comments								

Spa	ın 4	Near Be	aring					
Mov	vable Bearing							
	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 Pr	otective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect D	escription		cs	CS Qty	Maint Qty	
✓ 311	Corrosion	SURFACE CORROSION ON	BEARING PLATES		2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INE CORROSION PRESENT	FFECTIVE, SURFACE		3	1	,	Square Feet
•	General Comments							

Spa	ın 4	Far B	Bearing					
Fixe	ed Bearing							
	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	Protective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoot Typo	Defe	ct Description		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	CORROSION WITH PACI LOSS	K RUST, NO SECTION		3	1		1 Each
√ 515	Effectiveness (Steel Protective Coatings)		K RUST PRESENT		4	1		1 Square Feet
	General Comments							

Spa	n 4	Near Bear	ing					
Mov	able Bearing							
	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 Pr	otective Coating	1	0	0	1	0	Square Feet
Elemen Numbe	Dofoct Type	Defect Des	cription		cs	CS Qty	Maint Qty	
✓ 311	Corrosion	SURFACE CORROSION ON BE	ARING PLATES		2	1		Each
√ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFF CORROSION PRESENT	ECTIVE, SURFACE		3	1		1 Square Feet
-	General Comments							

Spa	an 4	Far Bear	ing					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	Bearing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoot Typo	Defect De	escription		cs	CS Qty	Maint Qty	
✓ 313	Corrosion	CORROSION WITH PACK RU LOSS	ST, NO SECTION		3	1	1	Each
✓ 515	Effectiveness (Steel Protective Coatings)	COATING FAILING PACK RUS	ST PRESENT		4	1	1	Square Feet
	General Comments							

Span 4 Movab	le Bearing	Near Bea	ring					
Elemen Numbe	r	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	,
311	Movab	le Bearing	1	0	1	0	0	Each
515	Steel F	Protective Coating	1	0	0	1	0	Square Feet
Element Number	Defect Type	Defect De	scription		cs	CS Qty	Maint Qty	
311 Co	rrosion	SURFACE CORROSION ON B	EARING PLATES		2	1		Each

Inspection Date: <u>10/04/2022</u> Structure Number: 400225

3

1 Square Feet

Effectiveness (Steel Protective Coatings) **√** 515

PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT

General Comments

Spa	an 4	Right Bridge	Rail					
Concrete Railing								
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	36	0	36	0	0 Feet	
Element Number Defect Type		Defect Descrip	otion		cs	CS Qty	Maint Qty	
✓ 331	Cracking (RC and Other)	SCATTERED HAIRLINE VERTICAL THROUGHOUT, UP TO FULL HEIG	TTERED HAIRLINE VERTICAL CRACKING OUGHOUT, UP TO FULL HEIGHT		2	36	Feet	

Bent 1	Cap 1						
nforced Concrete	Pier Cap						
nent nber Reinfor	Element Name ced Concrete Pier Cap	Total Qty 81	CS1 Qty 61	CS2 Qty 20	CS3 Qty 0	CS4 Qty 0 Feet	
t r Defect Type	Defect Descr	ription		cs	CS Qty	Maint Qty	
Cracking (RC and Other)				2	7	Feet	
Patched Area		•		2	3	Feet	
Patched Area	GIRDER 2, 10 FEET LONG X FUL			2	10	Feet	
	nent nber Reinfor T Defect Type Cracking (RC and Other) Patched Area	nent nber Element Name Reinforced Concrete Pier Cap t Defect Type Defect Descr Cracking (RC and Other) 1 FOOT HIGH ALONG FACE OF Patched Area PATCHED AREA UNDER GIRDER WITH WOOD FORM LEFT IN PLA Patched Area SOUND PATCHED AREA UNDER GIRDER 2, 10 FEET LONG X FUL	nent Element Name Qty Reinforced Concrete Pier Cap 81 t Defect Type Defect Description Cracking (RC and Other) 1 FOOT HIGH ALONG FACE OF END BENT CAP Patched Area PATCHED AREA UNDER GIRDER 1, 3 FEET LONG WITH WOOD FORM LEFT IN PLACE Patched Area SOUND PATCHED AREA UNDER BAY 2 AND GIRDER 2, 10 FEET LONG X FULL HEIGHT OF	nent Element Name Qty Qty Reinforced Concrete Pier Cap 81 61 t Defect Type Defect Description Cracking (RC and Other) 1 FOOT HIGH ALONG FACE OF END BENT CAP Patched Area PATCHED AREA UNDER GIRDER 1, 3 FEET LONG WITH WOOD FORM LEFT IN PLACE Patched Area SOUND PATCHED AREA UNDER BAY 2 AND GIRDER 2, 10 FEET LONG X FULL HEIGHT OF	Interest Concrete Pier Cap Interest Element Name Qty Qty Qty Qty Reinforced Concrete Pier Cap 81 61 20 Interest Concrete Pier Cap Befect Description CS Cracking (RC and SCATTERED VERTICAL HAIRLINE CRACKS UP TO Other) 1 FOOT HIGH ALONG FACE OF END BENT CAP Patched Area PATCHED AREA UNDER GIRDER 1, 3 FEET LONG WITH WOOD FORM LEFT IN PLACE Patched Area SOUND PATCHED AREA UNDER BAY 2 AND GIRDER 2, 10 FEET LONG X FULL HEIGHT OF	Interest Figure 1	Intent Element Name Qty

Bei	nt 1	Pile 1						
Rei	inforced Concrete	Column						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	1	0 Each	
Eleme Numbe	Dofoct Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
✓ 205	✓ 205 Patched Area 15 FEET OF SEALE STAINING		SOME WITH RUST		3	1	15 Each	
	General Comments							

Ben	nt 1	Pile 2						
Rei	nforced Concrete	Column						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	1	0 Each	
Elemen Numbe	Dofoot Typo	Defect De	scription		cs	CS Qty	Maint Qty	
✓ 205	Cracking (RC and Other)	1/4 INCH VERTICAL CRACKIN HIGH	G UP TO 8 FEET		3	1	8 Each	

√ 205

Delamination/Spall

STARTING AT BOTTOM OF PILE ON EAST FACE, DELAMINATION 4 FOOT HIGH X 1 FOOT WIDE

4 Each

3

General Comments

Ber	nt 1	Pile 3						
Rei	nforced Concrete	Column						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	1	0 Each	
Elemer Numbe	Dofoot Typo	Defect De	scription		cs	CS Qty	Maint Qty	
✓ 205	Cracking (RC and Other)	8 FEET OF CRACKING UP TO CRACKS TOTAL)	1/4 INCH WIDE (2		3	1	8 Each	

General Comments

Ber	nt 1	Pile 4						
Rei	nforced Concrete	Column						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	rced Concrete Column	1	0	0	1	0 Each	
Elemei Numbe	Dofoot Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
✓ 205	Cracking (RC and Other)	8 FEET OF CRACKING UP TO 1/	16 INCH WIDE		3	1	8 Each	

Ber	nt 1	Cap 1					
Rei	nforced Concrete	Pier Cap					
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinfor	ced Concrete Pier Cap	71	0	62	9	0 Feet
Elemer Numbe	Dofoot Time	Defect Desc	ription		cs	CS Qty	Maint Qty
/ 234	Cracking (RC and Other)	1/4 INCH DIAGONAL CRACK ON UNDER GIRDER 7 SPAN 1	PEDESTAL		3	1	1 Feet
√ 234	Delamination/Spall	14 INCH X 3 INCH X 1 INCH DEE PEDESTAL UNDER GIRDER 4 S LOSS OF BEARING AT EAST EN EXPOSED REINFORCEMENT	PAN 1 WITH NO		3	2	2 Feet
234	Delamination/Spall	EAST FACE, BELOW GIRDER 7, AREA UP TO 6 FEET LONG X 2 I HAIRLINE CRACKS AND RUST S	FEET HIGH WITH		3	6	6 Feet
√ 234	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CR THROUGHOUT FULL LENGTH C FULL HEIGHT			2	60	Feet
√ 234	Patched Area	14 INCH X 3 INCH SOUND PATC UNDER GIRDER 4 SPAN 1	H ON PEDESTAL		2		Feet
√ 234	Patched Area	PATCHED PREVIOUS PRIORITY UNDER GIRDER 5 SPAN 1	MAINTENANCE		2	1	Feet
√ 234	Patched Area	PATCHED PREVIOUS PRIORITY UNDER GIRDER 6 SPAN 1	MAINTENANCE		2		Feet
√ 234	Patched Area	SOUND PATCH 1/16 INCH WIDE NORTH FACE	CRACKING ON		2	1	Feet

End	d Bent 1	Abutment						
Rei	nforced Concrete	Abutment						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinfor	ced Concrete Abutment	70	0	70	0	0 Feet	
Elemer Numbe	Dofoot Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
✓ 215	Cracking (RC and Other)	HAIRLINE MAP CRACKING THRELENGTH OF BACKWALL	OUGHOUT FULL		2	70	Feet	
	General Comments							

Ber	nt 2	Cap 1						
Rei	nforced Concrete	Pier Cap						
	ment mber Reinford	Element Name ced Concrete Pier Cap	Total Qty 71	CS1 Qty 0	CS2 Qty 12	CS3 Qty 59	CS4 Qty 0 Fee	t
Elemei Numbe	Dafaat Tuna	Defect Descri	ption		cs	CS Qty	Maint Qty	
√ 234	Cracking (RC and Other)	1/16 INCH VERTICAL AND HORIZ CRACKING THROUGHOUT EAST FACES AND UNDERSIDE			3	46	71 F	eet
✓ 234	Cracking (RC and Other)	FULL WIDTH X FULL HEIGHT ARE CRACKING ON NORTH END OF C INCH WIDE WITH EFFLORESCEN AND RUST STAINING	CAP UP TO 1/4		3	1	1 F	eet
√ 234	Delamination/Spall	(5) DELAMINATIONS UP TO 1 FOO SCATTERED THROUGHOUT EAS			3	5	5 F	eet
✓ 234	Delamination/Spall	DELAMINATION ON EAST FACE (COLUMN 1, 2 FEET WIDE X FULL			3	2	2 F	eet
√ 234	Delamination/Spall	WEST FACE BELOW GIRDER 5 A CAP, DELAMINATION 2 FOOT LO HIGH			3		2 F	eet
√ 234	Patched Area	PATCHED PREVIOUS PRIORITY I ON WEST FACE UNDER GIRDER DELAMINATED AREAS UP TO 2 F	5 WITH		3	5	2 F	eet
✓ 234	Exposed Rebar	4 INCH LENGTH OF EXPOSED RE IN TOP OF EAST FACE OF CAP B NO SECTION LOSS			2		F	eet
✓ 234	Exposed Rebar	ALONG CAP SOFFIT, 12 FEET OF REBAR CHAIRS	EXPOSED		2	12	12 F	eet
	General Comments							

Ben	nt 2	Pile 1						
Rei	nforced Concrete	Column						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	1	0 Each	
Elemen Numbe	Dofoot Typo	Defect De	scription		cs	CS Qty	Maint Qty	
✓ 205	Patched Area	FULL HEIGHT PATCHED ARE WITH RUST STAINS	AS ON WEST FACE		3	1	10 Each	
	Canaral Cammanta							

t 2	Pile 2						
nforced Concrete	Column						
nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Reinford	ced Concrete Column	1	0	1	0	0	Each
t Defect Type	Defect De	scription		cs	CS Qty	Maint Qty	
Patched Area				2	1	-	Each
	nent nber Reinford t Defect Type	nforced Concrete Column nent nber Element Name Reinforced Concrete Column t Defect Type Defect De Patched Area SOUND PATCHED AREAS ON	nforced Concrete Column nent her Element Name Qty Reinforced Concrete Column 1 t Defect Type Defect Description	nent Element Name Qty Qty Reinforced Concrete Column 1 0 t Defect Type Defect Description Patched Area SOUND PATCHED AREAS ON EAST AND WEST	nent Element Name Qty Qty Qty Reinforced Concrete Column 1 0 1 t Defect Type Defect Description CS Patched Area SOUND PATCHED AREAS ON EAST AND WEST 2	Total CS1 CS2 CS3	nent Element Name Qty

General Comments

Ber	nt 2	Pile 3						
Rei	nforced Concrete	Column						
Nui	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinford	ced Concrete Column	1	0	0	1	0 Ea	ach
Elemer Numbe	Dofoct Type	Defect Descri	ption		cs	CS Qty	Maint Qty	
√ 205	Delamination/Spall	SOUTHEAST FACE STARTING A 6 FOOT HIGH X 2 FOOT WIDE DE WITH CRACK UP TO 1/8 INCH WI	LAMINATION		3		6	Each
✓ 205	Patched Area	PATCHED AREAS WITH HAIRLIN WEST FACE AND SOUTH FACE, FEET HIGH			3	1		Each
✓ 205	Scour	20 INCH X 24 INCH X 10 INCH DE BASE OF PILE 3 ON WEST FACE	EP HOLE AT		2			Each
	General Comments							

Bent	2	Pile 4						
Rein	forced Concrete	Column						
Elem Numl 205	ber	Element Name red Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty 0	CS4 Qty 0 Each	
Element Number	Defect Type	Defect Desc	ription		cs	CS Qty	Maint Qty	
√ 205	Patched Area	(3) SOUND PATCHED AREAS O TO 10 FEET HIGH BEGINNING A COLUMN			2	1	Each	

End	l Bent 2	Cap 1						
Rei	nforced Concrete	Pier Cap						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinford	ced Concrete Pier Cap	79	38	17	24	0 F	eet
Elemer Numbe	Dofoot Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
✓ 234	Cracking (RC and Other)	10 FEET HORIZONTAL CRACK WIDE IN FACE OF CAP BELOW			3	10	10	Feet
✓ 234	Delamination/Spall	1 FOOT DIAMETER DELAMINA BELOW BEAM 8	TION IN CAP		3	1	1	Feet

Structure	Number: <u>400225</u>			Insped	tion Date: 10/04/2022
√ 234	Delamination/Spall	6 FEET LONG X 8 INCH HIGH DELAMINATION WITH RUST STAINING IN FACE OF CAP BELOW BAY 1 AND BAY 3 WITH 12 INCH X 3 INCH X 1/2 INCH DEEP SPALL BELOW BAY 3, NO EXPOSED REINFORCEMENT	3	12	12 Feet
√ 234	Delamination/Spall	BEAM 2 BEARING SEAT IS DELAMINATED FOR 1 FOOT LONG	3	1	1 Feet
√ 234	Cracking (RC and Other)	(3) HORIZONTAL HAIRLINE CRACKS WITH EFFLORESCENCE SCATTERED THROUGHOUT CAP, UP TO 4 FEET	2	9	Feet
✓ 234	Cracking (RC and Other)	SCATTERED VERTICAL HAIRLINE CRACKS UP TO FULL HEIGHT OF CAP	2	8	Feet
	General Comments				<u> </u>

	Bent 2	Abutment					
Elei	nforced Concrete ment nber Reinfor	Element Name ced Concrete Abutment	Total Qty 70	CS1 Qty 42	CS2 Qty 28	CS3 Qty	CS4 Qty 0 Feet
Elemen Numbe	Dofoct Typo	Defect Descripti	ion		cs	CS Qty	Maint Qty
215	Cracking (RC and Other)	FULL LENGTH HORIZONTAL HAIRL BAY 5 BACKWALL	INE CRACK IN		2	9	Feet
√ 215	Cracking (RC and Other)	HAIRLINE MAP CRACKING IN BACK OUTSIDE OF GIRDER 1, 2 FEET X 2			2	2	Feet
√ 215	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACK BACKWALL OF BAY 3 AND BAY 4, F UP TO 2 FEET HIGH			2	17	Feet
	General Comments	OI TO 21 LET TIIOTT					

Ben	nt 3	Cap 1						
Rei	nforced Concrete	Pier Cap						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinford	ed Concrete Pier Cap	70	0	12	58	0 Feet	
Elemen Numbe	Dofoot Tymo	Defect Description			cs	CS Qty	Maint Qty	
✓ 234	Cracking (RC and Other)	MAP CRACKING UP TO 1/16 INCH WIDE THROUGHOUT			3	53	70 Feet	
✓ 234	Cracking (RC and Other)	MAP CRACKING UP TO 1/4 INCH WIDE EFFLORESCENCE AND RUST STAINING FACE OF CAP ABOVE COLUMN 1, 2 FE 3.5 FEET HIGH	G IN EAST		3	2	2 Feet	
✓ 234	Delamination/Spall	18 INCH X 6 INCH X 5 INCH SPALL ON F UNDER END OF SPAN 4 GIRDER 4, NO REBAR, NO BEARING LOSS			3	2	2 Feet	
✓ 234	Delamination/Spall	PAR: 6 INCH X 4 INCH X 5 INCH SPALL PEDESTAL UNDER GIRDER 5 SPAN 4 V INCH X 1 1/2 INCH UNDER BEARING, N EXPOSED REINFORCEMENT	VITH 1		3	1	1 Feet	
✓ 234	Exposed Rebar	ALONG SOFFIT, 9 FEET OF EXPOSED F	REBAR		2	9	9 Feet	
✓ 234	Patched Area	SOUND PATCHED AREA ON WEST FAC GIRDER 7	E UNDER		2	2	Feet	
✓ 234	Patched Area	SOUND PATCHED SPALL ON EAST FAC GIRDER 4	CE UNDER		2	1	Feet	

General Comments

Bent 3		Pile 1						
Rei	nforced Concrete	Column						
	ment mber Reinfo	Element Name rced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty 1	CS4 Qty 0 Each	
Elemer Numbe	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
✓ 205	Cracking (RC and Other)	FULL HEIGHT 1/8 INCH WIDE V	ERTICAL CRACK		3	1	10 Each	

General Comments

Bent 3							
nforced Concrete	Column						
ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Reinfor	ced Concrete Column	1	0	0	1	0 Each	
nt Pr Defect Type	Defect Des	scription		cs	CS Qty	Maint Qty	
Cracking (RC and Other)	(3) VERTICAL CRACKS UP TO INCH WIDE	FULL HEIGHT X 1/8		3	1	30 Each	
	ment mber Reinfor tt Defect Type Cracking (RC and	ment Blement Name Reinforced Concrete Column The Befect Type Defect Des Cracking (RC and (3) VERTICAL CRACKS UP TO	ment Blement Name Qty Reinforced Concrete Column 1 tr Defect Type Defect Description Cracking (RC and (3) VERTICAL CRACKS UP TO FULL HEIGHT X 1/8	ment Blement Name Qty Qty Reinforced Concrete Column 1 0 tr Defect Type Defect Description Cracking (RC and (3) VERTICAL CRACKS UP TO FULL HEIGHT X 1/8	ment Element Name Qty Qty Qty Reinforced Concrete Column 1 0 0 tr Defect Type Defect Description CS Cracking (RC and (3) VERTICAL CRACKS UP TO FULL HEIGHT X 1/8 3	ment Blement Name Reinforced Concrete Column Total CS1 CS2 CS3 Qty	ment Blement Name Reinforced Concrete Column Total CS1 CS2 CS3 CS4 Oty

General Comments

Bei	nt 3	Pile 3						
Rei	inforced Concrete	Column						
	ement Imber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	rced Concrete Column	1	0	0	1	0 E	ach
Eleme Numb	Defect Type	Defect Descr	iption		cs	CS Qty	Maint Qty	
✓ 205	Cracking (RC and Other)	(4) SCATTERED VERTICAL CRAC FEET X 1/4 INCH WIDE	CKS UP TO 11		3	1	11	Each
✓ 205	Patched Area	PATCHED AREA, WEST FACE, 2 FULL HEIGHT WITH AREA OF DE FEET ABOVE GROUND, 16 INCH	LAMINATION 4		3			Each
	General Comments							

Bent 3		Pile 4						
Rei	nforced Concrete	Column						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	1	0 Each	
Elemen	Dofoct Typo	Defect Descr	iption		cs	CS Qty	Maint Qty	
√ 205	Cracking (RC and Other)	(3) VERTICAL CRACKS UP TO FUINCH WIDE	JLL HEIGHT X 1/8		3	1	30 Each	

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2372
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	277
Span 1	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	34
Span 1	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	34
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	6503
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	93
Span 2	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	93
Span 2	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	93
Span 2	Bent 1 Expansion Joint	Standard Joint	Pourable Joint Seal	71
Span 2	Wearing Surface	Concrete Wearing Surface	Wearing Surface	4691
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1

Location	Name	Component	Element Name	Amount
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	6443
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	93
Span 3	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	92
Span 3	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	92
Span 3	Bent 2 Expansion Joint	Standard Joint	Pourable Joint Seal	71
Span 3	Wearing Surface	Concrete Wearing Surface	Wearing Surface	4648
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1

Location	Name	Component	Element Name	Amount
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2500
Span 4	Beam 1	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 2	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 3	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 4	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 5	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 6	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 7	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 8	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 9	Plate Girder	Steel Open Girder/Beam	36
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	36
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	36
Span 4	Bent 3 Expansion Joint	Standard Joint	Pourable Joint Seal	71
Span 4	Wearing Surface	Concrete Wearing Surface	Wearing Surface	1804
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	71
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	81
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	70
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	71
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1

Location	Name	Component	Element Name	Amount
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	79
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	70
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	70
Bent 3	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1

General Inspection Notes

Bent 1	Pile 1
piles not visible	e for inspection
Bent 2	Pile 1
piles not visible	e for inspection

National Bridge and NC Inspection Items

Structure Number: 400225 Inspection Date: 10/04/2022

National Bridge Inventory Items

ltem	Grade Scale	Grade	
Item 58: Deck	0 - 9 , N	4	Note:
Item 59: Superstructure	0 - 9 , N	5	Items 58,59,60,62 reflect this
Item 60: Substructure	0 - 9 , N	4	inspection only.
Item 61: Channel and Channel Protection	0 - 9 , N	N	For overall NBI coding grade, see cover sheet.
Item 62: Culvert	0 - 9 , N	N	
Item 71: Waterway Adequacy	0 - 9 , N	N	
Item 72: Approach Roadway Alignment	0 - 9 , N	8	

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

NC SMU Inspection Items

ltem	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	F	2	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	G	0	3352
Scour	G, F, P, or C			
Wingwall	G, F, P, or C	F	7	3350
Field Scour Evaluation		N		
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		В		

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Υ
Inspection Time	Hours	10
Traffic Control Time	Hours	4
Snooper Time	Hours	
Ladder Used	YES/NO	Υ
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N
Portion of Structure in > 3' of water	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 400225 Inspection Date: 10/04/2022

Item Deck - Item 58 Grade 4 Maint Code Qty. 0

Details DELAMINATED AREAS AT TOPSIDE ALONG SHOULDER

POOR SPALLS AT JOINTS AT SHOULDERS

SOFFIT HAS CRACKING WITH EFFLORESCENCE AND RUST STAINS THROUGHOUT

SOFFIT AT BENT 2 HAS SPALL WITH EXPOSED REBAR

SPAN 3 HAS WOOD FORMWORK IN PLACE AT PREVIOUS PATCHES

Item Superstructure - Item 59 Grade 5 Maint Code Qty. 0

Details BEAM ENDS HAVE CORROSION WITH SECTION LOSS AND SOME WITH WELDED REPAIR PLATES WITH RUST

SCALE

ItemSubstructure - Item 60Grade 4Maint CodeQty. 0

Details BENT CAPS HAVE DELAMINATIONS AND CRACKS SCATTERED THROUGHOUT

SPALL UNDERMINING BEAM BEARING AT BENT 3

PILES HAVE POOR CRACKS WITH DELAMINATIONS THROUGHOUT

Item Priority Maintenance Issued Grade Y Maint Code Qty. 0

Details BEAM ENDS HAVE CORROSION WITH SECTION LOSS

DECK SOFFIT AT BENT 2 HAS SPALL WITH EXPOSED REBAR WITH SECTION LOSS

BENT 3 CAP AT BEAM BEARING HAS SPALL UNDERMINING BEARING

Item Drainage System Grade F Maint Code 3332 Qty. 2

Details NORTHWEST CATCH BASIN CLOGGED WITH DEBRIS

Item Wingwalls Grade F Maint Code 3350 Qty. 7

Details NORTHEAST WINGWALL AT TOP LEFT CORNER, SPALL, 4 INCH DIAMETER X 1/4 INCH DEEP

SOUTHEAST WINGWALL, ALONG TOP, 4 SPALLS UP TO 16 INCH LONG X 6 INCH WIDE X 1 INCH DEEP SOUTHWEST WINGWALL AT TOP CORNER, 2 SPALLS, UP TO 1 FOOT LONG X 5 INCH HIGH X 1 INCH DEEP

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

Details END BENT 2 SLOPE PROTECTION AT SOUTHEAST CORNER, 50 SQUARE FEET OF VEGETATION GROWTH

NORTHEAST GUARDRAIL TERMINAL, 1 FOOT OF IMPACT DAMAGE

SOUTHEAST GUARDRAIL, STARTING 27 FEET FROM END BENT 2, 15 FEET OF IMPACT DAMAGE WITH UP TO 1 FOOT OF HORIZONTAL DISPLACEMENT

WEST APPROACH ASPHALT WEARING SURFACE HAS LONGITUDINAL CRACKS UP TO 1/4 INCH WIDE WITH POTHOLES UP TO 6 INCH DIAMETER X 1 INCH DEEP

SOUTHWEST GUARDRAIL, STARTING 115 FEET FROM BRIDGE, 20 FEET OF GUARDRAIL DAMAGE WITH UP TO 1

FOOT HORIZONTAL DISPLACEMENT

END BENT 1 SLOPE PROTECTION AT PILE 4, 250 SQUARE FEET OF VEGETATION GROWTH



Span 3 Deck: IN BAYS 2 AND 3, SCATTERED FORMWORK LEFT IN PLACE



Span 3 Deck: SCATTERED THROUGHOUT BOTH OVERHANGS, HAIRLINE TRANSVERSE CRACKS WITH EFFLORESCENCE



Span 3 Deck: PAR: 10 INCH DIAMETER X 1 INCH DEEP SPALL WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS, IN UNDERSIDE BAY 3 AT 3 FEET PAST CENTER DIAPHRAGM, NO SECTION LOSS



Span 4 Beam 1 - Far Bearing: CORROSION WITH PACK RUST, NO SECTION LOSS



End Bent 2 Cap 1: 6 FEET LONG X 8 INCH HIGH DELAMINATION WITH RUST STAINING IN FACE OF CAP BELOW BAY 1 AND BAY 3 WITH 12 INCH X 3 INCH X 1/2 INCH DEEP SPALL BELOW BAY 3, NO EXPOSED REINFORCEMENT



End Bent 2 Abutment: SCATTERED HAIRLINE MAP CRACKING IN BACKWALL OF BAY 3 AND BAY 4, FULL WIDTH X UP TO 2 FEET HIGH



End Bent 2 Cap 1: BEAM 2 BEARING SEAT IS DELAMINATED FOR 1 FOOT LONG



END BENT 2 SLOPE PROTECTION AT SOUTHEAST CORNER, 50 SQUARE FEET OF VEGETATION GROWTH



NORTHEAST WINGWALL AT TOP LEFT CORNER, SPALL, 4 INCH DIAMETER X 1/4 INCH DEEP



NORTHEAST GUARDRAIL TERMINAL, 1 FOOT OF IMPACT DAMAGE



Span 4 Deck: 26 FEET X 3 FEET DELAMINATION AT CENTERLINE AND WESTBOUND LANES AT END BENT 2 WITH (2) SPALLS UP TO 2 FEET X 9 INCH X 1 1/2 INCH DEEP, NO EXPOSED REINFORCEMENT



Span 4 Deck: NEAR CENTERLINE OF ROAD IN EASTBOUND LANE, UNSOUND ASPHALT PATCH, 5 FEET WIDE \times 2 FEET LONG WITH AREAS OF SPALLS UP TO 2 INCH DEEP



Span 4 Expansion Joint: LOSS OF SEAL ADHESION ALONG EXPOSED JOINT IN SHOULDERS



Span 3 Deck: DELAMINATION 360 SQUARE FEET IN WESTBOUND SHOULDER AND 360 SQUARE FEET IN EASTBOUND SHOULDER



Span 4 Deck: EASTBOUND LANE AT END BENT 2, SPALL, 18 INCH WIDE X 8 INCH LONG X UP TO 1 INCH DEEP



SOUTHEAST GUARDRAIL, STARTING 27 FEET FROM END BENT 2, 15 FEET OF IMPACT DAMAGE WITH UP TO 1 FOOT OF HORIZONTAL DISPLACEMENT



SOUTHEAST WINGWALL, ALONG TOP, 4 SPALLS UP TO 16 INCH LONG X 6 INCH WIDE X 1 INCH DEEP



Span 4 Right Bridge Rail: SCATTERED HAIRLINE VERTICAL CRACKING THROUGHOUT, UP TO FULL HEIGHT



Span 4 Deck: 8 FEET TRANSVERSE CRACK UP TO 1/16 INCH WIDE IN FAR RIGHT EASTBOUND TRAVEL LANE NEAR END BENT 2



Span 3 Deck: LEFT SHOULDER, UP TO 50 SQUARE FEET OF UNSOUND PATCHED AREAS WITH CRACKS UP TO 1/16 INCH WIDE WITH EFFLORESCENCE



Span 3 Expansion Joint: LEFT SHOULDER, JOINT IS COMPLETELY FILLED WITH VEGETATION GROWTH



Span 3 Deck: UP TO 4 FEET X 1 FOOT X 5 INCH DEEP SPALL ON LEFT SHOULDER AT BENT 2 JOINT, REBAR COVERED BY PACKED DEBRIS



Span 2 Deck: 6 FEET X 6 INCH X 5 INCH DEEP SPALL ON LEFT SHOULDER AT BENT 2 JOINT, REBAR COVEREL BY PACKED DEBRIS



Span 3 Wearing Surface: WESTBOUND LANE, 10 FEET FROM BENT 2, 2 POTHOLES UP TO 2 FOOT DIAMETER WITH ADJACENT CRACKS UP TO 1/16 INCH WIDE



Span 3 Wearing Surface: SCATTERED TRANSVERSE CRACKING UP TO 1/16 INCH WIDE FOR 50 PERCENT OF PAVED JOINT LENGTH AT BENT 2



Span 2 Deck: HAIRLINE MAP CRACKING IN TOP OF LEFT AND RIGHT SHOULDERS FOR FULL WIDTH OF SHOULDER X FULL LENGTH OF SPAN



Span 2 Deck: 3 FEET WIDE DELAMINATION ALONG LEFT SHOULDER FOR ENTIRE SPAN LENGTH



Span 2 Deck: MIDSPAN, ALONG RIGHT SHOULDER, 12 SQUARE FEET OF DELAMINATION



Span 2 Expansion Joint: WESTBOUND LANES, SEPARATION OF JOINT MATERIAL OVER BENT 1, UP TO FULL DEPTH OF FILLER MATERIAL



Span 2 Deck: 5 INCH X 9 INCH X 5 INCH DEEP SPALL ON LEFT SHOULDER AT BENT 1 JOINT, REBAR COVERED BY PACKED DEBRIS



Span 1 Deck: HAIRLINE MAP CRACKING TOPSIDE WITH WEARING SCATTERED THROUGHOUT



Span 1 Deck: TOP OF DECK IN FAR RIGHT EASTBOUND LANE AT BENT 1, 6 FEET X 1 FOOT DELAMINATION WITH CRACKING UP TO 1/8 INCH WIDE



Span 1 Deck: LEFT EASTBOUND LANE, SPALL, 1 FOOT WIDE X 4 INCH LONG X 1 1/2 DEEP



WEST APPROACH ASPHALT WEARING SURFACE HAS LONGITUDINAL CRACKS UP TO 1/4 INCH WIDE WITH POTHOLES UP TO 6 INCH DIAMETER X 1 INCH DEEP



SOUTHWEST GUARDRAIL, STARTING 115 FEET FROM BRIDGE, 20 FEET OF GUARDRAIL DAMAGE WITH UP TO 1 FOOT HORIZONTAL DISPLACEMENT



SOUTHWEST WINGWALL AT TOP CORNER, 2 SPALLS, UP TO 1 FOOT LONG X 5 INCH HIGH X 1 INCH DEEP



End Bent 1 Cap 1: SCATTERED VERTICAL HAIRLINE CRACKS UP TO 1 FOOT HIGH ALONG FACE OF END BENT CAP



End Bent 1 Cap 1: SOUND PATCHED AREA UNDER BAY 2 AND GIRDER 2, 10 FEET LONG X FULL HEIGHT OF CAP



Span 1 Beam 2 - Near Bearing: SURFACE CORROSION ON BEARING PLATES



End Bent 1 Abutment: HAIRLINE MAP CRACKING THROUGHOUT FULL LENGTH OF BACKWALL



NORTHWEST CATCH BASIN CLOGGED WITH DEBRIS



Span 1 Left Bridge Rail: PAR: 1 BOLT OF LEFT GUARDRAIL CONNECTION AT END BENT 1 HAS FAILED, CONNECTION STILL FUNCTIONING



Bent 1 Cap 1: SCATTERED HAIRLINE MAP CRACKING THROUGHOUT FULL LENGTH OF CAP, UP TO FULL HEIGHT



Bent 1 Pile 1: 15 FEET OF SEALED CRACK, SOME WITH RUST STAINING



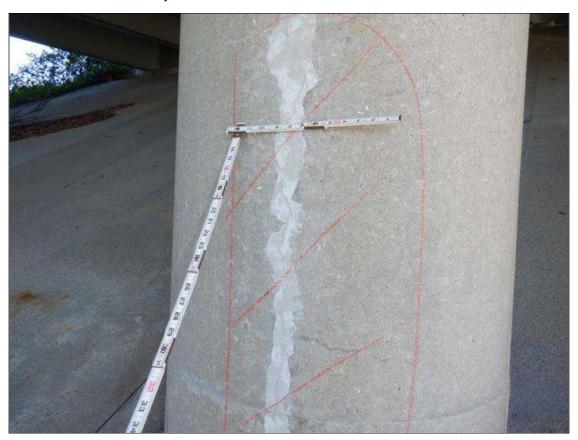
Span 1 Beam 1: AT BENT 1 LEFT OVERHANG DIAPHRAGM, DELAMINATION, 12 INCH X 6 INCH WITH RUST STAINS



Span 2 Beam 1: AT BENT 1 LEFT OVERHANG DIAPHRAGM, DELAMINATION, 12 INCH X 6 INCH WITH EFFLORESCENCE



Bent 1 Pile 2: 1/4 INCH VERTICAL CRACKING UP TO 8 FEET HIGH



Bent 1 Pile 2: STARTING AT BOTTOM OF PILE ON EAST FACE, DELAMINATION 4 FOOT HIGH X 1 FOOT WIDE



Bent 1 Cap 1: PATCHED PREVIOUS PRIORITY MAINTENANCE UNDER GIRDER 5 SPAN 1



Bent 1 Cap 1: EAST FACE, BELOW GIRDER 7, DELAMINATED AREA UP TO 6 FOOT LONG X 2 FOOT HIGH WITH HAIRLINE CRACKS AND RUST STAINING



Bent 1 Pile 4: 8 FEET OF CRACKING UP TO 1/16 INCH WIDE



END BENT 1 SLOPE PROTECTION AT PILE 4, 250 SQUARE FEET OF VEGETATION GROWTH



Span 2 Beam 5: 3/16 INCH SECTION LOSS (9/16 INCH REMAINING) ON LOWER 10 INCH AND TOP 3 INCH OF WEB FOR 10 INCH LONG AT BENT 1. CORROSION HAS BEEN ARRESTED



Bent 1 Cap 1: PATCHED PREVIOUS PRIORITY MAINTENANCE UNDER GIRDER 5 SPAN 1



Span 2 Beam 5 - Near Bearing: FRECKLED RUST ON BEARING PLATES



Bent 1 Cap 1: PATCHED PREVIOUS PRIORITY MAINTENANCE UNDER GIRDER 6 SPAN 1



Span 2 Beam 5: BENT 1 BAY 5 DIAPHRAGM, SPALL, 10 INCH X 3 INCH X 1 INCH DEEP



Span 1 Beam 4: AT BENT 1, TOP 9 INCHES OF WEB HAS A REPAIR PLATE, 9 INCH HIGH X 9 INCH LONG X 1/2 INCH THICK WITH RUST SCALE



Bent 1 Cap 1: 14 INCH X 3 INCH X 1 INCH DEEP SPALL ON PEDESTAL UNDER GIRDER 4 SPAN 1 WITH NO LOSS OF BEARING AT EAST END OF BEAM, NO EXPOSED REINFORCEMENT



Span 2 Beam 1: AT BENT 1 BAY 1 DIAPHRAGM, SPALL, 1 FOOT LONG X 2 INCH HIGH X 1 INCH DEEP



Span 2 Deck: HAIRLINE MAP CRACKING WITH EFFLORESCENCE SCATTERED THROUGHOUT UNDERSIDE



Span 3 Beam 1: PAR: AT BENT 2 LEFT OVERHANG DIAPHRAGM, SPALL 2 FOOT WIDE X 8 INCH LONG X 2 INCH DEEP WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS



Bent 2 Pile 1: FULL HEIGHT PATCHED AREAS ON WEST FACE WITH RUST STAINS



Bent 2 Cap 1: ALONG CAP SOFFIT, 12 FEET OF EXPOSED REBAR CHAIRS



Bent 2 Cap 1: (5) DELAMINATIONS UP TO 1 FOOT DIAMETER SCATTERED THROUGHOUT EAST FACE



Bent 2 Cap 1: PATCHED PREVIOUS PRIORITY MAINTENANCE ON WEST FACE UNDER GIRDER 5 WITH DELAMINATED AREAS UP TO 2 FOOT DIAMETER



Span 3 Beam 5: AT BENT 2, TOP 6 INCHES OF WEB HAS A REPAIR PLATE, 6 INCH X 6 INCH X 1/2 INCH THICK WITH RUST SCALE



Span 3 Deck: PAR: 2 FEET X 10 INCH X 5 INCH DEEP SPALL WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS, IN UNDERSIDE OF BAY 5 OVER BENT 2



Span 3 Beam 6: CORROSION WITH 1/16 INCH PITTING (11/16 INCH REMAINING) ON FULL HEIGHT OF WEB AT BENT 2



Bent 2 Cap 1: WEST FACE BELOW GIRDER 5 AT BOTTOM OF CAP, DELAMINATION 2 FOOT LONG X 6 INCH HIGH



Bent 2 Pile 3: PATCHED AREAS WITH HAIRLINE CRACKS ON WEST FACE AND SOUTH FACE, 4 FEET WIDE X 7 FEET HIGH



Bent 2 Pile 3: SOUTHEAST FACE STARTING AT GROUND LINE, 6 FOOT HIGH X 2 FOOT WIDE DELAMINATION WITH CRACK UP TO 1/8 INCH WIDE



Bent 2 Pile 3: 20 INCH X 24 INCH X 10 INCH DEEP HOLE AT BASE OF PILE 3 ON WEST FACE



Span 2 Deck: BAY 4 STARTING 15 FEET FROM BENT 2, 2 AREAS UP TO 20 SQUARE FEET OF CRACKING UP TC 1/16 INCH WIDE WITH RUST STAINING



Span 3 Deck: THROUGHOUT UNDERSIDE IN ALL BAYS, HAIRLINE CRACKS WITH EFFLORESCENCE



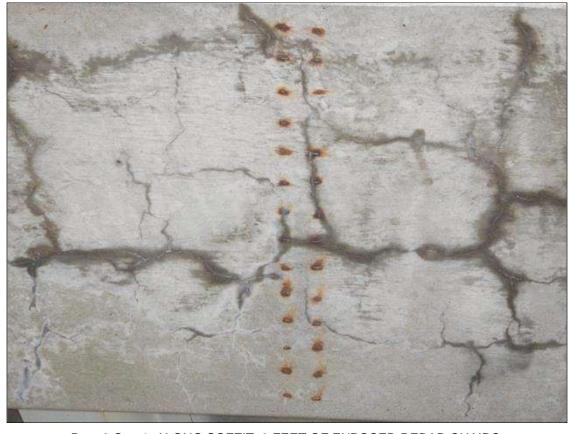
Span 4 Deck: BENT 3 LEFT OVERHANG SOFFIT, 8 INCH DIAMETER DELAMINATION



Bent 3 Pile 1: FULL HEIGHT 1/8 INCH WIDE VERTICAL CRACK



Bent 3 Pile 3: PATCHED AREA, WEST FACE, 2 FEET WIDE X FULL HEIGHT WITH AREA OF DELAMINATION 4 FEET ABOVE GROUND, 16 INCH IN DIAMETER



Bent 3 Cap 1: ALONG SOFFIT, 9 FEET OF EXPOSED REBAR CHAIRS



Span 3 Beam 2: CORROSION WITH SECTION LOSS (0.99 INCH REMAINING) ON BOTH BOTTOM FLANGES FOR OUTER 2 INCH FOR 1 FOOT AT BENT 3



Span 3 Beam 2: WELDED REPAIR TO BOTH SIDES OF BOTH BEARING STIFFENERS AT BENT 3, 9 INCH X 8 INCH X 3/8 INCH THICK STEEL PLATE



Span 3 Beam 1: CORROSION WITH 1/16 INCH SECTION LOSS FULL HEIGHT OF WEB AT END OF BEAM



Span 4 Beam 3: CORROSION ARRESTED WITH PAINT, 3/16 INCH SECTION LOSS (9/16 INCH REMAINING) ON BOTH BOTTOM FLANGES FOR OUTER 2 INCH FOR 3 FEET STARTING 1.5 FEET FROM BENT 3 WITH 1/8 INCH SECTION LOSS (7/16 INCH REMAINING) ON LOWER 4 INCH OF WEB IN SAME AREA



Span 4 Beam 3: AT BENT 3, LEFT BEARING STIFFENER HAS WELDED REPAIR PLATE, 5 INCH X 5 INCH X 1/2 INCH THICK WITH RUST SCALE



Span 3 Beam 3: WELDED REPAIR TO BOTH SIDES OF BOTH BEARING STIFFENERS AT BENT 3, 9 INCH X 8 INCH X 3/8 INCH THICK STEEL PLATE



Span 4 Beam 4: CORROSION HAS BEEN ARRESTED WITH PAINT, 3/4 INCH SECTION LOSS (1/2 INCH REMAINING) ON BOTTOM LEFT FLANGE FOR OUTER 2 INCH FOR 18 INCH LONG STARTING 8 INCH FROM BENT 3



Span 3 Beam 4: PAR: CORROSION WITH 5/16 INCH SECTION LOSS (15/16 INCH REMAINING) ON LEFT BOTTOM FLANGE FOR OUTER 2 INCH FOR 9 INCH LONG STARTING 7 INCH FROM BENT 3



Bent 3 Cap 1: 18 INCH X 6 INCH X 5 INCH SPALL ON PEDESTAL UNDER END OF SPAN 4 GIRDER 4, NO EXPOSED REBAR, NO BEARING LOSS



Span 3 Beam 5: CORROSION ARRESTED WITH PAINT, 1/2 INCH SECTION LOSS (3/4 INCH REMAINING) ON BOTH BOTTOM FLANGES FOR OUTER 2 INCH FOR 1 FOOT STARTING AT BENT 3



Span 4 Beam 5: WELDED STEEL PLATE REPAIR AT END OF BEAM BEHIND BEARING STIFFENER AT BENT 3, 6
INCH LONG X FULL HEIGHT



Bent 3 Cap 1: PAR: 6 INCH X 4 INCH X 5 INCH SPALL ON PEDESTAL UNDER GIRDER 5 SPAN 4 WITH 1 INCH X 1 1/2 INCH UNDER BEARING, NO EXPOSED REINFORCEMENT



Span 4 Beam 6: CORROSION HAS BEEN ARRESTED WITH PAINT, 3/16 INCH SECTION LOSS (9/16 INCH REMAINING) ON TOP 6 INCH OF WEB FOR 10 INCH LONG AT BENT 3



Span 3 Beam 6: WELDED PLATE REPAIR TO BOTH SIDES OF LEFT BEARING STIFFENER AT BENT 3, 5 INCH HIGH X 4 INCH WIDE X 3/8 INCH THICK WITH RUST SCALE

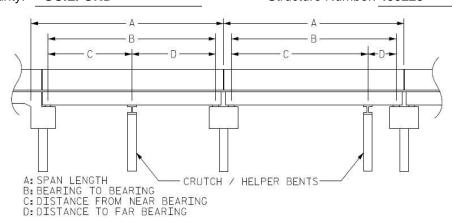


Bent 3 Cap 1: MAP CRACKING UP TO 1/16 INCH WIDE THROUGHOUT

Structure Data Worksheet

Span Profile

County: **GUILFORD** Structure Number: **400225**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	33.875	32.000			
2	92.891	90.170			
3	92.030	90.080			
4	35.708	32.090			

Structure Number: 400225 Span: 2 Route Name: I85S,US29S,US70W



SPAN 2 VERTICAL CLEARANCE, LOOKING SOUTH - REQUEST LIDAR

Route Number: 160008	350	Route Na	ıme:	l85S,US29S,US70W	Reference Feature:	Н		
Minimum Vertical Clearance 16.080 feet Maximum Minimum Vertical Clearance 16.580 feet								
Total Horizontal Clearan	Total Horizontal Clearance 72.750 feet Lateral Clearances: Left: 19.167 feet Right 23.417 feet							
✓ Base Highway Netwo	rk	LRS Inv	entory F	Route, Sub Route Num	ber 10085			
Milepost: 35.200	Number	of Lanes:	4	ADT : 19000	Year of AD	PT : 2015	Percentage of Trucks:	12
✓ National Highway System STRAHNET Highway Designator								
Functional Classification 12 Local Principal Arterial - Other Direction of Traffic: 1 1 - way traffic								

Structure Number: 400225 Span: 3 Route Name: I85N,US29N,US70E



SPAN 3 VERTICAL CLEARANCE, LOOKING NORTH - REQUEST LIDAR

Route Number: 160008	350	Route Na	ıme:	l85N,US29N,US70E	Reference Feature:	Н		
Minimum Vertical Clearance 16.420 feet Maximum Minimum Vertical Clearance 17.420 feet								
Total Horizontal Clearan	Total Horizontal Clearance 72.333 feet Lateral Clearances: Left: 18.833 feet Right 23.000 feet							
✓ Base Highway Netwo	rk	LRS Inv	entory F	Route, Sub Route Num	ber 10085	5		
Milepost: 35.200	Number	of Lanes:	4	ADT : 19000	Year of A	IDT : 2015	Percentage of Trucks:	12
✓ National Highway System STRAHNET Highway Designator								
Functional Classification 12 Local Principal Arterial - Other Direction of Traffic: 1 1 - way traffic								



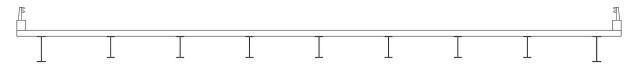
Roadway	47ft Wide	4 Paved Lanes	Looking East
Left Shoulder	10ft Wide	1ft Paved	9ft Unpaved
Right Shoulder	10.5ft Wide	1ft Paved	9.5ft Unpaved
Left Guardrail	10ft from road		
Right Guardrail	10.5ft from road		

MEASUREMENTS TAKEN 25 FEET WEST OF BRIDGE

VERIFIED 10/04/2022 BY GLH & DRD

Title APPROACH ROADWAY		Description LOOKING EAST	
Structure No: 400225	Drawn By: DRD	Date: 10/7/2022	Filename: S001194000167.wes

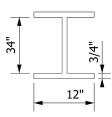
Deck Width/Out to Out	70ft	Between	Between Rails		
Clear Roadway	67.333ft	Wearing	3 Surface		
Median Width		Median	Height		
Curb Height		Left		Right	
Sidewalk Width		Left		Right	
Clear Roadway (Rail to Median)		Left		Right	
Guardrail Width		Left	12in	Right	12in
Top of Rail to Deck/Wearing Surface		Left	2.667ft	Right	2.667ft
Bridge Rail Type	Left	Type 1	Right	Type 1	



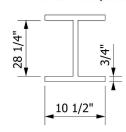
Measurements for Span #	1	SPAN 4 SIMILAR	
Deck Thickness	8.25in	Left Overhang	2.833ft
Top of Rail to Bottom of Beam (Avg)	6.321ft	Right Overhang	2.833ft

Beam #	Beam Type	Width	Height	Spacing	From
1	Rolled Steel Beam	12in	35.6in	2.833ft	Left Edge of Deck
2	Rolled Steel Beam	10.5in	29.8in	8.042ft	Beam 1
3	Rolled Steel Beam	10.5in	29.8in	8.042ft	Beam 2
4	Rolled Steel Beam	10.5in	29.8in	8.042ft	Beam 3
5	Rolled Steel Beam	10.5in	29.8in	8.042ft	Beam 4
6	Rolled Steel Beam	10.5in	29.8in	8.042ft	Beam 5
7	Rolled Steel Beam	10.5in	29.8in	8.042ft	Beam 6
8	Rolled Steel Beam	10.5in	29.8in	8.042ft	Beam 7
9	Rolled Steel Beam	12in	35.6in	8.042ft	Beam 8

BEAMS 1 & 9 36 WF 135

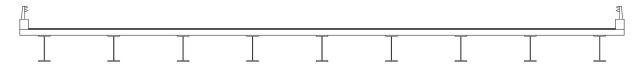


BEAMS 2 - 8 30 WF 108 (SPAN 1) 30 WF 116 (SPAN 4)



Title TYPICAL SECTION - SPAN 1			Descriptio 9 LINES		EEL I BEAMS			
Structure No: 400225	Drawn By:	DRD		Date:	10/7/2022	Filename:	S001194000171.wes	

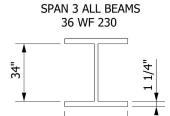
Deck Width/Out to Out	70ft	Between	Between Rails			68ft
Clear Roadway	67.333ft	Wearing	Surface			1in
Median Width		Median	Height			
Curb Height		Left		Right		
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width	Left	12in	Right	12ir	1	
Top of Rail to Deck/Wearing Surface		Left	2.584ft	Right	2.58	34ft
Bridge Rail Type			Type 1	Right	Тур	e 1



Measurements for Span #	2	SPAN 3 SIMILAR	
Deck Thickness	8.25in	Left Overhang	2.833ft
Top of Rail to Bottom of Beam (Avg)	6.396ft	Right Overhang	2.833ft

Beam #	Beam Type	Width	Height	Spacing	From
1	Plate Girder	16.5in	36.5in	2.833ft	Left Edge of Deck
2	Plate Girder	16.5in	36.7in	8.042ft	Beam 1
3	Plate Girder	16.5in	36.7in	8.042ft	Beam 2
4	Plate Girder	16.5in	36.7in	8.042ft	Beam 3
5	Plate Girder	16.5in	36.7in	8.042ft	Beam 4
6	Plate Girder	16.5in	36.7in	8.042ft	Beam 5
7	Plate Girder	16.5in	36.7in	8.042ft	Beam 6
8	Plate Girder	16.5in	36.7in	8.042ft	Beam 7
9	Plate Girder	16.5in	36.5in	8.042ft	Beam 8

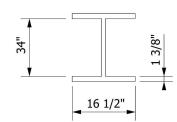
BEAMS 1 & 9: BOTTOM COVER PLATE 1 1/2" X 12" BEAMS 2-8: BOTTOM COVER PLATE 1 3/4" X 12"



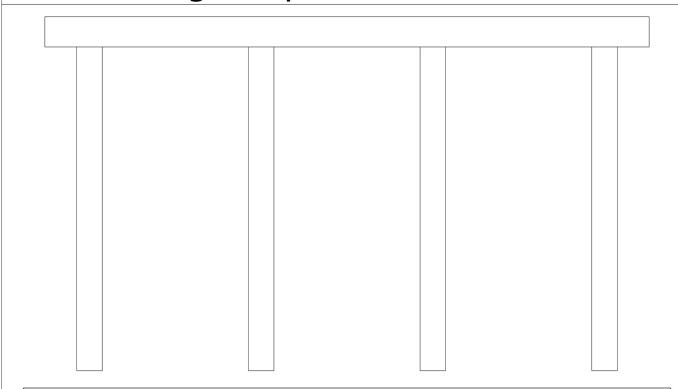
16 1/2"

SPAN 2 BEAMS 2 - 8

SPAN 2 BEAMS 1 & 9 36 WF 245

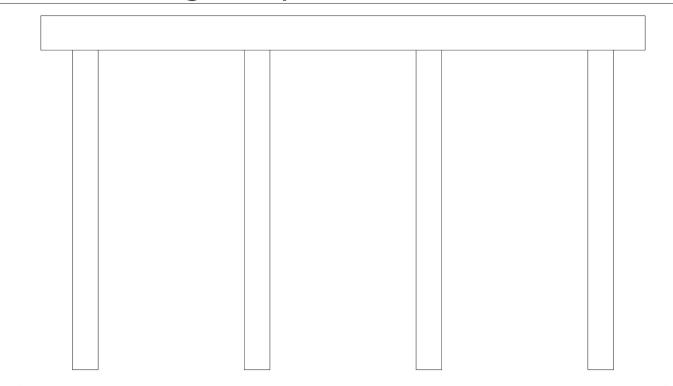


Title TYPICAL SECTION - SPANS 2 8	Description 9 LINES		EEL I BEAMS					
Structure No: 400225	Drawn By:	DRD		Date:	10/7/2022	Filename:	S001194000172.wes	



Caps												
#	# Name Type				Length		:h	Height	Left Beam to	End of Cap	Right Beam to End of Cap	
1	1 Cap 1 Reinfo		orced Concrete Pier Cap		71ft 38			42.6in 1.688ft			1.698ft	
Piles												
#	# Name		Туре	Spacing		3	From		Height/Diam	Width	Length	
1	1 Pile 1		Reinforced Concrete Column		n 5.25ft		Left End of Bent		36in		15.75ft	
2	2 Pile 2		Reinforced Concrete Column		20.167ft		Pile 1		36in		20.75ft	
3	3 Pile 3 Reinfo		Reinforced Concrete Colum	teinforced Concrete Column 20.16		ft	Pile 2			36in		21.25ft
4 Pile 4 Re		Reinforced Concrete Colum	ın	n 20.167ft		Pile 3		36in		21.87ft		

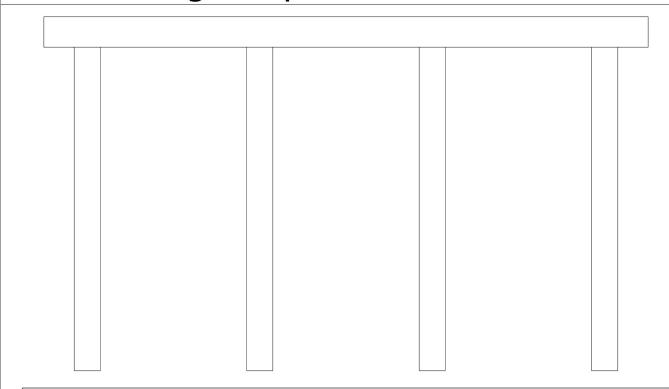
Title BENT 1	Description BENT 1						
Structure No: 400225	Drawn By: DR	RD		Date:	10/7/2022	Filename:	S001194000168.wes



Caps											
#	# Name Type		Le		ength Wid		Height	Left Beam to	Left Beam to End of Cap		o End of Cap
1	1 Cap 1 Reinfo		orced Concrete Pier Cap	70.333	33ft 38in		48in	1.667ft		1.667ft	
Piles											
#	# Name		Туре	Spacing		From		Height/Diam	. Width	Length	
1	1 Pile 1		Reinforced Concrete Column		5.167ft L		Left End of Bent		36in		18.75ft
2	2 Pile 2		Reinforced Concrete Column		t	Pile 1		36in		0ft	
3	3 Pile 3		Reinforced Concrete Column		20ft		Pile 2		36in		19.26ft
4 Pile 4		Reinforced Concrete Colum	n 20f	20ft Pile		Pile 3		36in		19.776ft	

Title BENT 2			Description BENT 2						
Structure No: 400225	Drawn By:	DRD		Date:	10/7/2022	Filename:	S001194000169.wes		

Bridge Inspection Field Sketch



Caps												
#	Name	Туре		Length		Width		Height	Left Beam to	End of Cap	Right Beam to End of Cap	
1	1 Cap 1 Reinfo		orced Concrete Pier Cap	69.5	9.5ft 38in			42in	1.641ft		1.49ft	
Piles												
#	Name		Туре	S	Spacing	cing From			Height/Diam	. Width	Length	
1	Pile 1		Reinforced Concrete Colum	n 5	n 5ft		Left End of Bent		36in		17ft	
2	Pile 2		Reinforced Concrete Colum	mn 19.833ft		t	Pile 1			36in		21.167ft
3	Pile 3		Reinforced Concrete Colum	n 1	19.833f	t	Pile 2		36in		21.67ft	
4	Pile 4		Reinforced Concrete Colum	n 1	19.833f	t	Pile 3	3		36in		25.167ft

UPDATED 10/04/2022 BY GLH & DRD

Title BENT 3				Description BENT 3						
	Structure No: 400225	Drawn By:	DRD		Date:	10/7/2022	Filename:	S001194000170.wes		



SPAN 3 SUPERSTRUCTURE



SPAN 3 BAY 1 INTERMEDIATE DIAPHRAGM



END BENT 2



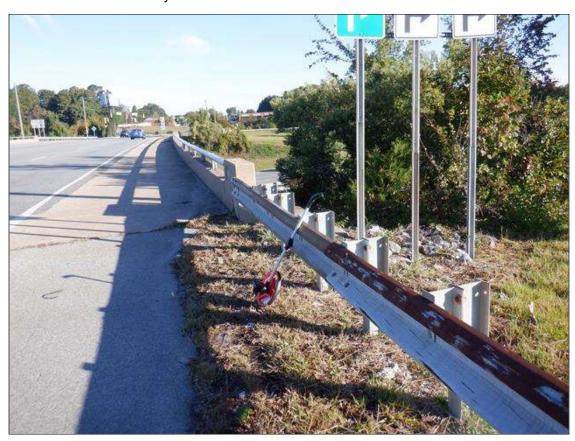
SPAN 4 BEAM 6 FAR BEARING



NORTHEAST WINGWALL



LOOKING WEST



NORTHEAST GUARDRAIL TRANSITION



NORTHEAST GUARDRAIL ATTACHMENT



NORTHEAST BRIDGE PLAQUE



LEFT BRIDGE RAIL



SPAN 4 DECK/WEARING SURFACE



EAST APPROACH



LOOKING NORTH FROM BRIDGE



LOOKING SOUTH FROM BRIDGE



WEST APPROACH



ALONG LEFT BRIDGE RAIL, 4 INCH DIAMETER SCUPPER



SPAN 3 WEARING SURFACE



BENT 1 JOINT



SPAN 1 DECK



LOOKING EAST



END BENT 1



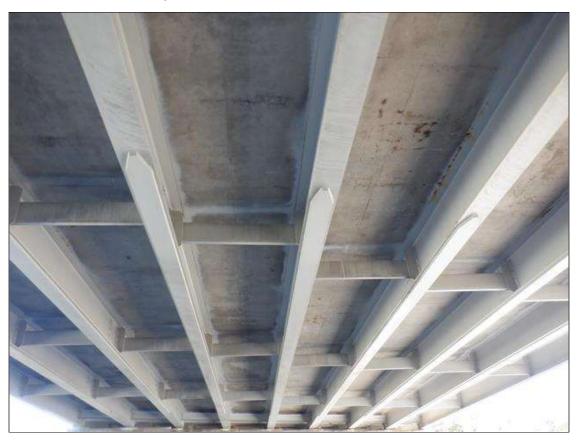
SPAN 1 BEAM 9 NEAR BEARING



SOUTH STRUCTURE PROFILE



SPAN 3 VERTICAL CLEARANCE, LOOKING NORTH



SPAN 2 SUPERSTRUCTURE



NORTH STRUCTURE PROFILE



SPAN 2 VERTICAL CLEARANCE, LOOKING SOUTH



BENT 1 BEAM 5 BEARINGS



BENT 2 BEAM 5 BEARINGS



TRAFFIC CONTROL USE BELOW SPAN 2



BENT 2 LOOKING EAST