



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 STRUCTURE MANAGEMENT UNIT

ATTENTION: NEW REPAIRS, PAR, CHANGE IN STRUCTURAL DATA, HYDRA PLATFORM USED

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 06/15/2021

DIVISION: 4 COUNTY: JOHNSTON STRUCTURE NUMBER: 500100 FREQUENCY: 24 MONTHS

FACILITY CARRIED: I95N I-95 NBL MILE POST: 91.5

LOCATION: 1.8MI.N.JCT.I95,US301&701

FEATURE INTERSECTED: NEUSE RIVER

LATITUDE: 35° 28' 38.94" LONGITUDE: 78° 22' 4.39"

SUPERSTRUCTURE: _____

SUBSTRUCTURE: _____

SPANS: 8 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

FRACTURE CRITICAL TEMPORARY SHORING SCOUR CRITICAL SCOUR PLAN OF ACTION

GRADES: (Inspector/NBI Coding) DECK 7 / 7 SUPERSTRUCTURE 6 / 6 SUBSTRUCTURE 4 / 4 CULVERT N / N

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: (1) DELINEATOR, (1) NEUSE RIVER SIGN



Sign noticed issued for	Number Required
<u>NO</u> WEIGHT LIMIT	<u>0</u>
<u>NO</u> DELINEATORS	<u>0</u>
<u>NO</u> NARROW BRIDGE	<u>0</u>
<u>NO</u> ONE LANE BRIDGE	<u>0</u>
<u>NO</u> LOW CLEARANCE	<u>0</u>

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS _____

LOOKING NORTH

INSPECTED BY VENKATA D.T. KOLLIPARA	SIGNATURE <i>Dharma Injeti</i>	ASSISTED BY KEITH G. WAEGERLE
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NATIONAL BRIDGE INVENTROY ----- STRUCTURE INVENTORY AND APPRAISAL

08/24/2021

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE 500100
 (8) STRUCTURE NUMBER (FEDERAL) 1010100
 (5) INVENTORY ROUTE (ON/UNDER) ON 111000950
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 4
 (3) COUNTY CODE (FEDERAL) 101 (4) PLACE CODE 62520
 (6) FEATURE INTERSECTED NEUSE RIVER
 (7) FACILITY CARRIED I95N
 (9) LOCATION 1.8MI.N.JCT.I95,US301&701
 (11) MILEPOINT 91.5
 (12) BASE HIGHWAY NETWORK 1
 (13) LRS INVENTORY ROUTE & SUBROUTE 10095
 (16) LATITUDE 35° 28' 38.94" (17) LONGITUDE 78° 22' 4.39"
 (98) BORDER BRIDGE STATE CODE PERCENT SHARED
 (99) BORDER BRIDGE STRUCTURE NUMBER

SUFFICIENCY RATING 48.28
 STATUS = Structurally Deficient

CLASSIFICATION **CODE**

(112) NBIS BRIDGE SYSTEM YES
 (104) HIGHWAY SYSTEM Inventory Route is on NHS 1
 (26) FUNCTIONAL CLASS Urban Principal Arterial - Interstate 11
 (100) STRAHNET HIGHWAY Interstate STRAHNET Route 1
 (101) PARALLEL STRUCTURE The right structure of parallel bridges R
 (102) DIRECTION OF TRAFFIC 1-way traffic 1
 (103) TEMPORARY STRUCTURE
 (110) DESIGNATED NATIONAL NETWORK - on national network for trucks 1
 (20) TOLL On Free Road 3
 (21) MAINT - 01
 (22) OWNER - 01
 (37) HISTORICAL SIGNIFICANCE - 5

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN Steel
 TYPE Stringer/Multi-beam or girder CODE 302
 (44) STRUCTURE TYPE APPROACH
 TYPE CODE
 (45) NUMBER OF SPANS IN MAIN UNIT 6
 (46) NUMBER OF SPANS IN APPROACH 0
 (107) DECK STRUCTURE TYPE CODE 1
 (108) WEARING SURFACE/PROTECTIVE SYSTEM
 (A) TYPE OF WEARING SURFACE CODE 1
 (B) TYPE OF MEMBRANE CODE 0
 (C) TYPE OF DECK PROTECTION CODE 0

CONDITION **CODE**

(58) DECK 7
 (59) SUPERSTRUCTURE 6
 (60) SUBSTRUCTURE 4
 (61) CHANNEL & CHANNEL PROTECTION 4
 (62) CULVERTS N

LOAD RATING AND POSTING **CODE**

(31) DESIGN LOAD H 20 + Mod 6
 (63) OPERATING RATING METHOD - Load Factor 1
 (64) OPERATING RATING - HS-49 88
 (65) INVENTORY RATING METHOD - 1
 (66) INVENTORY RATING HS-29 53
 (70) BRIDGE POSTING No Posting Required 5
 (41) STRUCTURE OPEN, POSTED, OR CLOSED DESCRIPTION Open, no restriction A

AGE AND SERVICE

(27) YEAR BUILT 1957
 (106) YEAR RECONSTRUCTED 0
 (42) TYPE OF SERVICE ON - Highway
 OFF - Waterway CODE 15
 (28) LANES ON STRUCTURE 2 LANES UNDER STRUCTURE 0
 (29) AVERAGE DAILY TRAFFIC 22750
 (30) YEAR OF ADT 2018 (109) TRUCK ADT PCT 16
 (19) BYPASS OR DETOUR LENGTH 1.0

APPRAISAL **CODE**

(67) STRUCTURAL EVALUATION 4
 (68) DECK GEOMETRY 3
 (69) UNDERCLEARANCES, VERT & HORIZ N
 (71) WATERWAY ADEQUACY 4
 (72) APPROACH ROADWAY ALIGNMENT 3
 (36) TRAFFIC SAFETY FEATURES 1011
 (113) SCOUR CRITICAL BRIDGES 8

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 49.0
 (49) STRUCTURE LENGTH 401.0
 (50) CURB OR SIDEWALK: LEFT 0.0 RIGHT 0.0
 (51) BRIDGE ROADWAY WIDTH, CURB TO CURB 28.2
 (52) DECK WIDTH OUT TO OUT 33.5
 (32) APPROACH ROADWAY WITH (W/ SHOULDERS) 28.0
 (33) BRIDGE MEDIAN Open median CODE 1
 (34) SKEW 30 (35) STRUCTURE FLARED 0
 (10) INVENTORY ROUTE MIN VERT CLEAR 999.9
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 28.2
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9
 (54) MIN VERT UNDERCLEAR: REFERENCE 0.0
 (55) MIN LAT UNDERCLEARANCE RT: REFERENCE N 0.0
 (56) MIN LAT UNDERCLEARANCE LT: 0.0

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK CODE
 (76) LENGTH OF STRUCTURE IMPROVEMENT
 (94) BRIDGE IMPROVEMENT COST
 (95) ROADWAY IMPROVEMENT COST
 (96) TOTAL PROJECT COST
 (97) YEAR OF IMPROVEMENT COST ESTIMATE
 (114) FUTURE ADT 45,500 YEAR OF FUTURE ADT 2040

NAVIGATION DATA

(38) NAVIGATION CONTROL - CODE 0
 (111) PIER PROTECTION CODE
 (39) NAVIGATION VERTICAL CLEARANCE 0.0
 (116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR 0.0
 (40) NAVIGATION HORIZONTAL CLEARANCE 0.0

INSPECTION

(90) INSPECTION DATE 06/21 (91) FREQUENCY 24
 (92) CRITICAL FEATURE INSPECTION (93) CFI DATE
 A) FRACTURE CRIT DETAIL A)
 B) UNDERWATER INSP 60 B) 09/17
 C) OTHER SPECIAL INSP C)

SCOUR

Superstructure Build Details

Span Number 1

Span Length 50.2500

Skew 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Standard Joint	Pourable Joint Seal	28 Feet		
2	Concrete and Metal Railing	Other Bridge Railing	102 Feet	Unknown	102
1	Concrete Wearing Surface	Wearing Surface	1587 Square Feet		
8	Other Bearing	Other Bearings	8 Each	Unknown	16
4	Plate Girder	Steel Open Girder/Beam	200 Feet	Unknown	1832
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1588 Square Feet		

Span Number 2

Span Length 50.0000

Skew 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
8	Other Bearing	Other Bearings	8 Each	Unknown	16
2	Concrete and Metal Railing	Other Bridge Railing	100 Feet	Unknown	100
1	Concrete Wearing Surface	Wearing Surface	1579 Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1580 Square Feet		
1	Standard Joint	Pourable Joint Seal	28 Feet		
4	Plate Girder	Steel Open Girder/Beam	200 Feet	Unknown	1832

Span Number 3

Span Length 50.0000

Skew 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1580 Square Feet		
1	Concrete Wearing Surface	Wearing Surface	1579 Square Feet		
2	Concrete and Metal Railing	Other Bridge Railing	100 Feet	Unknown	100
8	Other Bearing	Other Bearings	8 Each	Unknown	16
4	Plate Girder	Steel Open Girder/Beam	200 Feet	Unknown	1832

Superstructure Build Details

1	Standard Joint	Pourable Joint Seal	28	Feet	
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Span Number 4 **Span Length** 50.0000 **Skew** 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Concrete Wearing Surface	Wearing Surface	1579	Square Feet	
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1580	Square Feet	
8	Other Bearing	Other Bearings	8	Each	Unknown 16
2	Concrete and Metal Railing	Other Bridge Railing	100	Feet	Unknown 100
4	Plate Girder	Steel Open Girder/Beam	200	Feet	Unknown 1832
1	Standard Joint	Pourable Joint Seal	28	Feet	

Span Number 5 **Span Length** 50.0000 **Skew** 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Concrete Wearing Surface	Wearing Surface	1579	Square Feet	
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1580	Square Feet	
1	Standard Joint	Pourable Joint Seal	28	Feet	
2	Concrete and Metal Railing	Other Bridge Railing	100	Feet	Unknown 100
8	Other Bearing	Other Bearings	8	Each	Unknown 16
4	Plate Girder	Steel Open Girder/Beam	200	Feet	Unknown 1832

Span Number 6 **Span Length** 50.0000 **Skew** 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Standard Joint	Pourable Joint Seal	28	Feet	
8	Other Bearing	Other Bearings	8	Each	Unknown 16
4	Plate Girder	Steel Open Girder/Beam	200	Feet	Unknown 1832
2	Concrete and Metal Railing	Other Bridge Railing	100	Feet	Unknown 100

Superstructure Build Details

1	Concrete Wearing Surface	Wearing Surface	1579 Square Feet	
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1580 Square Feet	

Span Number 7

Span Length 50.0000

Skew 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1580 Square Feet		
4	Plate Girder	Steel Open Girder/Beam	200 Feet	Unknown	1832
8	Other Bearing	Other Bearings	8 Each	Unknown	16
2	Concrete and Metal Railing	Other Bridge Railing	100 Feet	Unknown	100
1	Concrete Wearing Surface	Wearing Surface	1579 Square Feet		
1	Standard Joint	Pourable Joint Seal	28 Feet		

Span Number 8

Span Length 50.2500

Skew 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
8	Other Bearing	Other Bearings	8 Each	Unknown	16
4	Plate Girder	Steel Open Girder/Beam	200 Feet	Unknown	1844
1	Concrete Wearing Surface	Wearing Surface	1587 Square Feet		
2	Standard Joint	Pourable Joint Seal	56 Feet		
2	Concrete and Metal Railing	Other Bridge Railing	102 Feet	Unknown	102
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1588 Square Feet		

Structure Element Scoring

Structure Number: **500100**

Inspection Date **6/15/2021**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	12656	8359	4285	12	0
107	0	Steel Open Girder/Beam	Beam	1600	1583	14	3	0
515	107	Steel Protective Coating	Beam	14668	14668	0	0	0
215	0	Reinforced Concrete Abutment	Abutments	66	43	23	0	0
229	0	Other Pile	Piles and Columns	49	12	6	9	22
234	0	Reinforced Concrete Pier Cap	Caps	290	256	11	21	2
301	0	Pourable Joint Seal	Expansion Joints	252	252	0	0	0
316	0	Other Bearings	Bearing Device	64	1	61	2	0
515	316	Steel Protective Coating	Bearing Device	128	124	1	2	1
333	0	Other Bridge Railing	Bridge Rail	804	354	220	230	0
515	333	Steel Protective Coating	Bridge Rail	804	804	0	0	0
510	0	Wearing Surface	Wearing Surfaces	12648	10248	2400	0	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **500100**

Inspection Date: **06/15/2021**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	4276 Square Feet
3326	Reinforced Concrete Deck	Patched Areas	4 Square Feet
3326	Reinforced Concrete Deck	Delamination/Spall	2 Square Feet
3348	Other Pile	Corrosion	2 Each
3348	Other Pile	Scour	160 Each
3348	Other Pile	Damage	6 Each
3348	Reinforced Concrete Pier Cap	Patched Area	10 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	11 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	3 Feet
3334	Other Bearings	Movement	1 Each
3334	Other Bearings	Loss of Bearing Area	1 Each
3334	Other Bearings	Connection	7 Each
3318	Other Bridge Railing	Connection	1 Feet
3318	Other Bridge Railing	Delamination/Spall	82 Feet
3318	Other Bridge Railing	Damage	367 Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	2 Square Feet

Element Structure Maintenance Quantities

Structure Number: **500100**

Inspection Date **06/15/2021**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	0	66	0	0	23	43
Beam	3314	Maintenance Steel Superstructure Components	0	1600	0	3	14	1583
Beam	3342	Clean and Paint Steel	0	14668	0	0	0	14668
Bearing Device	3334	Bridge Bearing	9	64	0	2	61	1
Bearing Device	3342	Clean and Paint Steel	2	128	1	2	1	124
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	450	804	0	230	220	354
Bridge Rail	3342	Clean and Paint Steel	0	804	0	0	0	804
Caps	3348	Maintenance of Concrete Substructure	26	290	2	21	11	256
Deck	3326	Maintenance of Concrete Deck	4282	12656	0	12	4285	8359
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	252	0	0	0	252
Piles and Columns	3348	Maintenance of Concrete Substructure	168	49	22	9	6	12
Wearing Surfaces	2816	Asphalt Surface Repair	0	12648	0	0	2400	10248

Priority Actions Request

Structure Number 500100

Span2

3318 **Right Bridge Rail** Concrete and Metal Railing

Priority Level	Defect Type	Quantity	Defect Description
2	Connection	1	Span 2 Right Bridge Rail: BOLT HAS DETACHED FROM CONCRETE OUTER RAIL 10 FT FROM END BENT 1 LEAVING METAL INNER RAIL FREE. (PAR)

Span 4

3334 **Beam 3** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Loss of Bearing Area	1	Span 4 Beam 3 - Far Bearing: NEW BEARING HAS A LOSS OF BEARING AREA DUE TO SPALL ON CAP. AREA REPAIRED IS UNSOUND AND HAS 6 IN HIGH X 5 IN WIDE X 2 IN DEEP SPALLS. (PAR)

Span8

3314 **Beam 4** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Damage	0	Span 8 Beam 4: UP TO 1.5 IN HIGH AREA OF COMPLETE SECTION LOSS IN INTERMEDIATE STIFFENER AT MID SPAN. (PAR)

Element Condition and Maintenance Data

Structure Number: 500100

Inspection Date: 06/15/2021

Span 1

Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,588	1,131	456	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Delamination/Spall	9 IN LONG X UP TO 4 IN WIDE X UP TO 2.5 IN DEEP SPALL IN RIGHT DECK OVERHANG ABOVE BENT 1.	3	1	1	Square Feet
12	Cracking (RC and Other)	SIX (6) UP TO 0.02 IN WIDE TRANSVERSE CRACKS UNDER LEFT OVERHANG, SCATTERED.	2	6	6	Square Feet
12	Cracking (RC and Other)	UP TO 0.02 IN WIDE TRANSVERSE CRACKS IN DECK UNDERSIDE IN BAY 1 BETWEEN INTERMEDIATE DIAPHRAGMS TYPICAL IN BAYS 2 AND 3.	2	450	450	Square Feet

General Comments

Span 1

Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	49	1	0	0	Feet
515	Steel Protective Coating	458	458	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Damage	2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.	2	1		Feet

General Comments

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 1

Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	49	1	0	0	Feet
515	Steel Protective Coating	458	458	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Damage	2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.	2	1		Feet

General Comments

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 1 Left Bridge Rail**Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	51	45	0	6	0 Feet
515	Steel Protective Coating	51	51	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	6	6 Feet

General Comments**Span 1 Right Bridge Rail****Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	51	0	45	6	0 Feet
515	Steel Protective Coating	51	51	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	6	6 Feet
333	Damage	IMPACT DAMAGE WITH SCRAPE MARKS FOR FULL SPAN LENGTH IN BOTTOM OF SUPPLEMENTAL RAIL.	2	45	45 Feet

General Comments**Span 1 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each

General Comments**Span 1 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING.	2	1	Each
316	Connection	WELDED REPAIR WITH NEW ANCHOR BOLT.	1		Each

General Comments

Span 1 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each

General Comments

Span 1 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each

General Comments

Span 1 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each

General Comments

Span 1 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1		Each
316	Connection	WELDED REPAIR, WITH NEW ANCHOR BOLT.	1			Each

General Comments

Span 1 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1		Each

General Comments

Span 1 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING.	2	1		Each

General Comments

Span 1 Wearing Surface
Concrete Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,587	1,287	300	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Effectiveness (Wearing Surface)	MINOR ABRASION WITH EXPOSED AGGREGATE ALONG THE WHEEL PATHS FOR FULL LENGTH	2	300		Square Feet

General Comments

Span 2 Deck
Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,580	1,080	500	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	NINE (9) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN LEFT OVERHANG. TYPICAL AT RIGHT OVERHANG.	2	50	50	Square Feet
12	Cracking (RC and Other)	UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT.	2	450	450	Square Feet

General Comments

Span 2 Beam 1
Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	49	1	0	0	Feet
515	Steel Protective Coating	458	458	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Damage	2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.	2	1		Feet

General Comments

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 2 Beam 4
Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	49	1	0	0	Feet
515	Steel Protective Coating	458	458	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Damage	2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.	2	1		Feet

General Comments

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 2 Left Bridge Rail**Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	50	44	0	6	0 Feet
515	Steel Protective Coating	50	50	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	6	6 Feet

General Comments**Span 2 Right Bridge Rail****Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	50	0	43	7	0 Feet
515	Steel Protective Coating	50	50	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Connection	BOLT HAS DETACHED FROM CONCRETE OUTER RAIL 10 FT FROM END BENT 1 LEAVING METAL INNER RAIL FREE. (PAR)	3	1	1 Feet
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	6	6 Feet
333	Cracking (RC and Other)	UP TO 0.03 IN WIDE X 2 FT LONG DIAGONAL CRACKS IN BOTTOM OF CURB AT 1 FT FROM BENT 2.	2	1	Feet
333	Damage	IMPACT DAMAGE WITH SCRAPE MARKS FOR FULL SPAN LENTH IN BOTTOM OF SUPPLEMENTAL RAIL.	2	42	42 Feet

General Comments**Span 2 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each

General Comments

Span 2 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1		Each

General Comments

Span 2 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1		Each

General Comments

Span 2 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1		Each

General Comments

Span 2 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each
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General Comments

Span 2 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each

General Comments

Span 2 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each

General Comments

Span 2 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Connection	WELDED REPAIR WITH NEW ANCHOR BOLT. UP TO 50% SECTION LOSS IN OLD ANCHOR BOLT. PAR NOT ISSUED DUE TO NEW ANCHOR BOLT REPAIR.	2		Each
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each

General Comments

Span 2 Wearing Surface**Concrete Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	1,579	1,279	300	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Effectiveness (Wearing Surface)	MINOR ABRASION WITH EXPOSED AGGREGATE ALONG THE WHEEL PATHS FOR FULL LENGTH	2	300	Square Feet

General Comments

Span 3 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	1,580	923	651	6	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Delamination/Spall	2 FT LONG X 1 FT HIGH DELAMINATION/SPALL, BAY 2, END DIAPHRAGM, AT BENT 2. REPIAIED SINCE PREVIOUS INSPECTION	3	2	Square Feet
12	Delamination/Spall	4 FT LONG X 1 FT HIGH DELAMINATION/SPALL, BAY 2, END DIAPHRAGM, AT BENT 3. REPAIRED SINCE PREVIOUS INSPECTION	3	4	Square Feet
12	Cracking (RC and Other)	SIX (6) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN RIGHT OVERHANG. TYPICAL AT LEFT OVERHANG.	2	45	45 Square Feet
12	Cracking (RC and Other)	UP TO 0.03 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT.	2	600	600 Square Feet
12	Patched Areas	NEW REPAIR: 2 FT LONG X 1 FT HIGH SOUND CONCRETE PATCH IN BAY 2 BENT DIAPHRAGM AT BENT 2	2	2	Square Feet
12	Patched Areas	NEW REPAIR: 4 FT LONG X 1 FT HIGH SOUND CONCRETE PATCH IN BENT DIAPHRAGM AT BENT 2. NEW SINCE PREVIOUS INSPECTION.	2	4	Square Feet

General Comments

Span 3 Left Bridge Rail**Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	50	44	0	6	0 Feet
515	Steel Protective Coating	50	50	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	6	6 Feet

General Comments

Span 3 Right Bridge Rail
Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	50	0	44	6	0 Feet
515	Steel Protective Coating	50	50	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	6	6 Feet
333	Damage	IMPACT DAMAGE WITH SCRAPE MARKS FOR FULL SPAN LENTH IN BOTTOM OF SUPPLEMENTAL RAIL.	2	44	44 Feet

General Comments

Span 3 Beam 1
Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	50	49	1	0	0 Feet
515	Steel Protective Coating	458	458	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Damage	2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.	2	1	Feet

General Comments

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 3 Beam 4
Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	50	49	1	0	0 Feet
515	Steel Protective Coating	458	458	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Damage	2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTON AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.	2	1	Feet

General Comments

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 3 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.	2	1		Each

General Comments

Span 3 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.	2	1		Each

General Comments

Span 3 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.	2	1		Each

General Comments

Span 3 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING.	2	1	Each
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General Comments

Span 3 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.	2	1	Each

General Comments

Span 3 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Connection	ANCHOR BOLT NUT NOT CONNECTED COMPLETELY	2		1 Each
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING.	2	1	Each

General Comments

Span 3 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.	2	1	Each

General Comments

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING.	2	1		Each

General Comments**Span 3 Wearing Surface****Concrete Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,579	1,279	300	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Effectiveness (Wearing Surface)	MINOR ABRASION WITH EXPOSED AGGREGATE ALONG THE WHEEL PATHS FOR FULL LENGTH	2	300		Square Feet

General Comments**Span 4 Deck****Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,580	951	625	4	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Patched Areas	4 FT LONG X 1 FT HIGH AREA OF UNSOUND CONCRETE PATCH WITH UP TO 0.05 IN VERTICAL CRACKS IN BAY 3 BENT DIAPHRAGM AT BENT BENT 3	3	4	4	Square Feet
12	Cracking (RC and Other)	EIGHT (8) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN LEFT OVERHANG.	2	25	25	Square Feet
12	Cracking (RC and Other)	UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT.	2	600	600	Square Feet

General Comments**Span 4 Left Bridge Rail****Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	50	44	0	6	0	Feet
515	Steel Protective Coating	50	50	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	6	6	Feet

General Comments

Span 4 Right Bridge Rail**Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	50	0	44	6	0	Feet
515	Steel Protective Coating	50	50	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	6	6	Feet
333	Damage	IMPACT DAMAGE WITH SCRAPE MARKS FOR FULL SPAN LENTH IN BOTTOM OF SUPPLEMENTAL RAIL.	2	44	44	Feet

General Comments**Span 4 Beam 1****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	49	1	0	0	Feet
515	Steel Protective Coating	458	458	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Damage	2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.	2	1		Feet

General Comments**Span 4 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING.	2	1		Each
316	Connection	WELDED REPAIR WITH NEW ANCHOR BOLTS.	1	2		Each

General Comments

Span 4 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING.	2	1		Each
316	Connection	WELDED REPAIR WITH NEW ANCHOR BOLT.	1			Each

General Comments

Span 4 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	1	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED. REPAIRED SINCE PREVIOUS INSPECTION	4	1		Square Feet
515	Damage	NEW REPAIR: PROTECTIVE COATING IS REPAINTED SINCE PREVIOUS INSPECTION	2	1		Square Feet

General Comments

Span 4 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Loss of Bearing Area	NEW BEARING HAS A LOSS OF BEARING AREA DUE TO SPALL ON CAP. AREA REPAIRED IS UNSOUND AND HAS 6 IN HIGH X 5 IN WIDE X 2 IN DEEP SPALLS. (PAR)	3	1	1	Each
316	Connection	BEARING HAS WELDED REPAIR WITH NEW ANCHOR BOLTS.	2		2	Each

General Comments

Span 4 **Beam 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	49	1	0	0	Feet
515	Steel Protective Coating	458	458	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Damage	2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.	2	1		Feet

General Comments

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 4 **Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING.	2	1		Each

General Comments**Span 4** **Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	-1	2	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Connection	BEARING ASSEMBLY HAS A WELDED REPAIR WITH NEW ANCHOR BOLTS.	2	2	2	Each

General Comments**Span 4** **Wearing Surface****Concrete Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,579	1,279	300	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Effectiveness (Wearing Surface)	MINOR ABRASION WITH EXPOSED AGGREGATE ALONG THE WHEEL PATHS FOR FULL LENGTH	2	300		Square Feet

General Comments

Span 5 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	1,580	689	890	1	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Delamination/Spall	6 IN DIAMETER X 3/4 IN DEEP SPALL IN INTERMEDIATE DIAPHRAGM IN BAY 2 ABOVE BENT 5.	3	1	1 Square Feet
12	Cracking (RC and Other)	FOUR (4) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN RIGHT OVERHANG. FIVE (5) SIMILAR CRACKS IN LEFT OVERHANG.	2	30	30 Square Feet
12	Cracking (RC and Other)	UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT.	2	400	400 Square Feet
12	Cracking (RC and Other)	UP TO 0.03 IN WIDE RANDOM CRACKS FOR 10 FT LONG X FULL BAY WIDTH, STARTING AT 5 FT FROM BENT 4 IN BAY 3. TYPICAL IN BAY 2.	2	450	450 Square Feet
12	Cracking (RC and Other)	UP TO 0.05 IN WIDE X 2 FT HIGH VERTICAL CRACKS IN BENT DIAPHRAGM IN SEVERAL BAYS AT BENT 5	2	10	10 Square Feet

General Comments**Span 5 Beam 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	50	47	0	3	0 Feet
515	Steel Protective Coating	458	458	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Damage	3 FT LONG X 1/16 IN WIDE HORIZONTAL CRACK IN BENT DIAPHRAGM AT BENT 5	3	3	Feet

General Comments

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 5 Left Bridge Rail**Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	50	44	0	6	0 Feet
515	Steel Protective Coating	50	50	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	6	6 Feet

General Comments

Span 5 Right Bridge Rail
Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	50	0	44	6	0 Feet
515	Steel Protective Coating	50	50	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	6	6 Feet
333	Damage	IMPACT DAMAGE WITH SCRAPE MARKS FOR FULL SPAN LENGTH IN BOTTOM OF SUPPLEMENTAL RAIL.	2	44	44 Feet

General Comments

Span 5 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING.	2	1	Each

General Comments

Span 5 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each

General Comments

Span 5 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING.	2	1	Each
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General Comments

Span 5 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.	2	1	Each

General Comments

Span 5 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each

General Comments

Span 5 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.	2	1	Each

General Comments

Span 5 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1		Each

General Comments**Span 5 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.	2	1		Each

General Comments**Span 5 Wearing Surface****Concrete Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,579	1,279	300	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Effectiveness (Wearing Surface)	MINOR ABRASION WITH EXPOSED AGGREGATE ALONG THE WHEEL PATHS FOR FULL LENGTH	2	300		Square Feet

General Comments**Span 6 Deck****Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,580	1,147	433	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	FOUR (4) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN RIGHT OVERHANG. SEVEN (7) SIMILAR CRACKS IN LEFT OVERHANG.	2	30	30	Square Feet
12	Cracking (RC and Other)	UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT.	2	400	400	Square Feet
12	Patched Areas	38 IN LONG X 1 FT HIGH SOUND CONCRETE PATCHED AREA, BOTTOM OF BAY 2 END DIAPHRAGM, AT BENT 6.	2	3		Square Feet

General Comments**Span 6 Beam 1****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	50	49	1	0	0 Feet
515	Steel Protective Coating	458	458	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Damage	2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.	2	1	Feet

General Comments

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 6 Beam 4**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	50	49	1	0	0 Feet
515	Steel Protective Coating	458	458	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Damage	2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.	2	1	Feet

General Comments

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 6 Left Bridge Rail**Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	50	44	0	6	0 Feet
515	Steel Protective Coating	50	50	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	6	6 Feet

General Comments

Span 6 Right Bridge Rail
Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	50	0	0	50	0 Feet
515	Steel Protective Coating	50	50	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Damage	HEAVY IMPACT DAMAGE WITH UP TO 3 IN LONG X 1 IN HIGH HOLES AND DENTS IN THE BOTTOM OF CONCRETE SUPPLEMENTAL BRIDGE RAIL FOR FULL SPAN LENGTH. DAMAGE EXTENDS INTO SPANS 7 AND 8.	3	49	49 Feet
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	1	1 Feet

General Comments

Span 6 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each

General Comments

Span 6 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING.	2	1	Each

General Comments

Span 6 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each
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General Comments

Span 6 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING.	2	1	Each

General Comments

Span 6 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each

General Comments

Span 6 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Connection	LEFT ANCHOR BOLT HAS UP TO 80% SECTION REMAINING AND ANCHOR BOLT NUT HAS UP TO 50% SECTION REMAINING.	3	1	1 Each
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING.	2		Each

General Comments

Span 6 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.	2	1		Each

General Comments**Span 6 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING. RUST STAINING PRESENT IN NEWLY PAINTED SURFACES.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING IS OF LIMITED EFFECTIVENESS IN BEARING.	3	2	2	Square Feet

General Comments**Span 6 Wearing Surface****Concrete Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,579	1,279	300	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Effectiveness (Wearing Surface)	MINOR ABRASION WITH EXPOSED AGGREGATE ALONG THE WHEEL PATHS FOR FULL LENGTH	2	300		Square Feet

General Comments**Span 7 Deck****Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,580	1,150	430	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	FOUR (4) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN RIGHT OVERHANG. SEVEN (7) SIMILAR CRACKS IN LEFT OVERHANG.	2	30	30	Square Feet
12	Cracking (RC and Other)	UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT.	2	400	400	Square Feet

General Comments**Span 7 Beam 1****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	50	49	1	0	0 Feet
515	Steel Protective Coating	458	458	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Damage	2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.	2	1	Feet

General Comments

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 7 Beam 4**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	50	49	1	0	0 Feet
515	Steel Protective Coating	458	458	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Damage	2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.	2	1	Feet

General Comments

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 7 Left Bridge Rail**Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	50	44	0	6	0 Feet
515	Steel Protective Coating	50	50	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	6	6 Feet

General Comments

Span 7 Right Bridge Rail**Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	50	0	0	50	0 Feet
515	Steel Protective Coating	50	50	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Damage	HEAVY IMPACT DAMAGE WITH UP TO 3 IN LONG X 1 IN HIGH HOLES AND DENTS IN THE BOTTOM SUPPLEMENTAL BRIDGE RAIL FOR FULL SPAN LENGTH. DAMAGE EXTENDS INTO SPANS 8 AND 6.	3	49	49 Feet
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	1	1 Feet

General Comments**Span 7 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.	2	1	Each

General Comments**Span 7 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.	2	1	Each

General Comments**Span 7 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.	2	1	Each
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General Comments

Span 7 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING.	2	1	Each

General Comments

Span 7 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each

General Comments

Span 7 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING.	2	1	Each

General Comments

Span 7**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.	2	1		Each

General Comments**Span 7****Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING.	2	1		Each

General Comments**Span 7****Wearing Surface****Concrete Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,579	1,279	300	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Effectiveness (Wearing Surface)	MINOR ABRASION WITH EXPOSED AGGREGATE ALONG THE WHEEL PATHS FOR FULL LENGTH	2	300		Square Feet

General Comments**Span 8****Deck****Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,588	1,288	300	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	UP TO .05 IN WIDE X 3 FT LONG HORIZONTAL CRACKS UNDER RIGHT OVERHANG SIMILAR UNDER LEFT OVERHANG	2	50	50	Square Feet
12	Cracking (RC and Other)	UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT.	2	250	250	Square Feet

General Comments

Span 8**Beam 1****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	50	49	1	0	0 Feet
515	Steel Protective Coating	461	461	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Damage	2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.	2	1	Feet

General Comments

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 8**Beam 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	50	49	1	0	0 Feet
515	Steel Protective Coating	461	461	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Damage	2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.	2	1	Feet

General Comments

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

4' OF RUST SCALE ALONG BOTTOM FLANGE, BEGINNING AT BENT 7. -NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 8**Left Bridge Rail****Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	51	45	0	6	0 Feet
515	Steel Protective Coating	51	51	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	6	6 Feet

General Comments

Span 8 Right Bridge Rail**Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	51	0	0	51	0 Feet
515	Steel Protective Coating	51	51	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Damage	HEAVY IMPACT DAMAGE WITH UP TO 3 IN LONG X 1 IN HIGH HOLES AND DENTS IN THE BOTTOM OF SUPPLMENTAL BRIDGE RAIL FOR FULL SPAN LENGTH. DAMAGE EXTENDS INTO SPANS 7 AND 6.	3	49	50 Feet
333	Delamination/Spall	1 FT LONG X 4 IN WIDE X 1 IN DEEP SPALL IN BOTTOM FACE AT END BENT 2	3	1	1 Feet
333	Delamination/Spall	UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.	3	1	1 Feet

General Comments

Span 8 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each

General Comments

Span 8 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1	Each

General Comments

Span 8 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1		Each

General Comments**Span 8 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1		Each

General Comments**Span 8 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Connection	BEARING ASSEMBLY HAS WELDED REPAIR WITH NEW ANCHOR BOLT.	2	1	1	Each

General Comments**Span 8 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2	1		Each

General Comments**Span 8 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.	2	1		Each

General Comments**Span 8 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.	2			Each
316	Movement	UP TO 1/2 IN MOVEMENT TOWARDS THE SOUTH LEFT HALF OF THE MASONRY PLATE.	2	1	1	Each

General Comments**Span 8 Wearing Surface****Concrete Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,587	1,287	300	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Effectiveness (Wearing Surface)	MINOR ABRASION WITH EXPOSED AGGREGATE ALONG THE WHEEL PATHS FOR FULL LENGTH	2	300		Square Feet

General Comments**Bent 1 Pile 1****Other Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
229	Other Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
229	Damage	VEGETATION GROWTH ALONG SOUTHWEST CORNER FOR UP TO 12 FT HIGH.	2	1	1	Each

General Comments**Bent 1 Pile 3****Other Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Damage	MINOR VEGETATION GROWTH IN SOUTH AND NORTH FACES.	2	1	1 Each

General Comments**Bent 1 Pile 4****Other Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Damage	MINOR VEGETATION GROWTH IN SOUTH AND NORTH FACES.	2	1	Each

General Comments**End Bent 1 Abutment****Reinforced Concrete Abutment**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
215	Reinforced Concrete Abutment	33	31	2	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
215	Cracking (RC and Other)	3 FT HIGH X 0.05 IN WIDE VERTICAL CRACK WITH EFFLORESCENCE IN BAYS 1 AND 2	2	2	Feet

General Comments**End Bent 1 Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	33	27	6	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	FOUR (4) DIAGONAL X FULL HEIGHT HAIRLINE CRACKS IN FACE OF CAP BELOW BAY 1.	2	4	Feet
234	Cracking (RC and Other)	TWO (2) 2 FT LONG X 0.03 IN WIDE DIAGONAL CRACKS IN FACE OF CAP BELOW BAY 2.	2	2	Feet

General Comments

3' DIAGONAL HAIRLINE CRACK WITH EFFLORESCENCE, FACE OF CAP OUTSIDE BAY 4 - NOT OBSERVED

End Bent 2**Abutment****Reinforced Concrete Abutment**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
215	Reinforced Concrete Abutment	33	12	21	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
215	Cracking (RC and Other)	4 FT HIGH X UP TO 0.05 IN WIDE VERTICAL CRACK IN BAY 2	2	1	Feet
215	Scour	HEAVY VEGETATION GROWTH UNDER BOTH OVERHANGS	2	20	Feet

General Comments

End Bent 2**Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	33	22	0	11	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	2 FT HIGH X 1/16 IN WIDE DIAGONAL CRACK UNDER BEAM 4.	3	2	2 Feet
234	Cracking (RC and Other)	3 FT LONG X 1/16 IN WIDE HORIZONTAL CRACK, BELOW BEAM 2. TYPICAL AT BEAM 3.	3	6	6 Feet
234	Cracking (RC and Other)	3 FT LONG X UP TO 1/16 IN WIDE HORIZONTAL CRACK, BELOW BAY 1.	3	3	3 Feet

General Comments

Bent 3**Pile 1****Other Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 3ft. of scour post hurricane Matthew.	3	1	3 Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.
Steel piles not visible.

Bent 3**Pile 2****Other Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 3ft. of scour post hurricane Matthew.	3	1	3 Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.
Steel piles not visible.

Bent 3**Pile 3****Other Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 4ft. of scour post hurricane Matthew.	3	1	4 Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.
Steel piles not visible.

Bent 3**Pile 4****Other Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 5ft. of scour post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	5 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 3**Pile 5****Other Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 5ft. of scour post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	5 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 3**Pile 6****Other Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 5ft. of scour post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	5 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of

Bent 3 Pile 7

Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 5ft. of scour post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	5 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 4 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	32	20	0	10	2 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Patched Area	NEW REPAIR: 17 IN WIDE X UP TO 11 IN HIGH X UP TO 6 IN DEEP SPALLED PATCHED AREA, TOP OF SOUTH FACE, EXTENDING BELOW BEAM 3 BEARING ASSEMBLY, BEARING IS NOT SEATED LEVEL. REPAIRS MADE SINCE PREVIOUS INSPECTION ARE UNSOUND	4	2	Feet
234	Patched Area	15 IN HIGH X 21 IN WIDE UNSOUND CONCRETE PATCH AREA, TOP SOUTHEAST CORNER OF CAP, BELOW NEW BEARING ASSEMBLY OF BEAM 4. PATCH EXHIBITS A 8 IN LONG X 0.02 IN WIDE DIAGONAL CRACK STARTING AT TOP LEFT CORNER IN SOUTH FACE AND A UP TO 0.03 IN WIDE X 15 IN LONG VERTICAL CRACK IN EAST FACE.	3	2	2 Feet
234	Patched Area	3.5 FT LONG X 1.5 FT HIGH UNSOUND PATCHED AREA WITH SPALLS, TOP OF SOUTH FACE, BELOW BEAM 3.	3	4	4 Feet
234	Patched Area	NEW REPAIR 18 IN WIDE X 1 FT HIGH UNSOUND CONCRETE PATCH IN SOUTH FACE BELOW BEAM 3. BEARING IS NOT SEATED LEVEL. REPAIRS MADE SINCE PREVIOUS INSPECTION ARE UNSOUND	3	2	2 Feet
234	Patched Area	UP TO 2 FT DIAMETER UNSOUND CONCRETE PATCH REPAIR TO PREVIOUSLY SPALLED AREA. NOT OBSERVED	3	2	2 Feet

General Comments

Bent 4 Pile 1

Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 5ft. of scour with 2ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	1 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	1		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 4 Pile 2

Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 6ft. of scour with 2ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	1 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 4 Pile 3

Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 8.6ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	9 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 4 Pile 4

Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 8.8ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	9 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 4 Pile 5
Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 7ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	7 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 4 Pile 6
Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 7ft. of scour with 2ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	7 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 4 Pile 7
Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 8ft. of scour with 2.5ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	8 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 5 Pile 1
Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **500100**

Inspection Date: **06/15/2021**

229	Scour	Underwater Inspection 9/13/17: 8ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	8	Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2			Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 5 Pile 2

Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 9ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	9 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 5 Pile 3

Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 8ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	8 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 5 Pile 4

Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 8ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	8 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 5 Pile 5
Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 8ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	8 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 5 Pile 6
Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 8ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	8 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 5 Pile 7
Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 8ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	8 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 6 Pile 1
Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **500100**

Inspection Date: **06/15/2021**

229	Scour	Underwater Inspection 9/13/17: 3ft. of scour with 1ft. of exposed steel pile post hurricane Matthew.	3	1	3	Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2			Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 6 Pile 2

Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 4ft. of scour with 1ft. of exposed steel pile post hurricane Matthew.	3	1	4 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 6 Pile 3

Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 4ft. of scour with 1ft. of exposed steel pile post hurricane Matthew.	3	1	4 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 6 Pile 4

Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 5ft. of scour with 1ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	5 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 6**Pile 5****Other Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 5ft. of scour with 1ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	5 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 6**Pile 6****Other Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 5ft. of scour with 1ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	5 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 6**Pile 7****Other Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Scour	Underwater Inspection 9/13/17: 5ft. of scour with 1ft. of exposed steel pile post hurricane Matthew. (PRIORTIY MAINTENANCE ISSUED)	4	1	5 Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2		Each

General Comments

H-piles encased in concrete. General condition is water abrasion with coarse aggregate exposed 1/16in. to 1/4in. loss of facial concrete.

Bent 7**Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	32	27	5	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **500100**

Inspection Date: **06/15/2021**

234	Cracking (RC and Other)	HAIRLINE HORIZONTAL CRACKS IN BOTH ENDS	2	2	Feet
234	Delamination/Spall	3 FT WIDE X 6 IN HIGH DELAMINATION WITH A 3 FT LONG HORIZONTAL CRACK UP TO 1/32 IN WIDE BOTTOM OF NORTH FACE, OVER PILE 3.	2	3	3 Feet

General Comments

Bent 7 Pile 1

Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Damage	VEGETATION GROWTH ALONG NORTHWEST CORNER OF PILE FOR FULL HEIGHT.	3	1	1 Each

General Comments

SURFACE RUST ON WEB AND FLANGES OF EXPOSED STEEL PILE AT GROUNDLINE. - NOT OBSERVED

Bent 7 Pile 6

Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Corrosion	UP TO 3 IN HIGH OF THE STEEL PILE EXPOSED AT THE BOTTOM EXHIBITS HEAVY SURFACE CORROSION WITH NO MEASUREABLE SECTION LOSS IN THE FLANGES AND WEB.	3	1	1 Each
229	Damage	MINOR VEGETATION GROWTH ON SOUTH FACE OF PILE.	2		Each

General Comments

SURFACE RUST ON WEB AND FLANGES OF EXPOSED STEEL PILE AT GROUNDLINE. - NOT OBSERVED

Bent 7 Pile 5

Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Damage	MINOR VEGETATION GROWTH ON SOUTH FACE OF PILE.	2	1	1 Each

General Comments

Bent 7 Pile 4

Other Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
229	Other Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
229	Damage	MINOR VEGETATION GROWTH ON NORTHWEST CORNER.	2	1	1 Each

General Comments

Bent 7 Pile 3**Other Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
229	Other Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
229	Damage	MINOR VEGETATION GROWTH ON NORTHWEST CORNER.	2	1	1	Each

General Comments**Bent 7 Pile 7****Other Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
229	Other Pile	1	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
229	Corrosion	15 IN WIDE X 10 IN HIGH AREA OF THE SOUTH FLANGE EXHIBITS HEAVY SURFACE CORROSION WITH SECTION LOSS ON WEB AND FLANGES OF EXPOSED STEEL PILE AT GROUNDLINE. UP TO 0.50 IN SECTION REMAINING (PAR). NORTH FLANGE AND THE WEB EXHIBIT HEAVY SURFACE CORROSION WITH NO MEASUREABLE SECTION LOSS.	3	1	1	Each

General Comments

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1588
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	50
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	50
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	50
Span 1	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	51
Span 1	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	51
Span 1		Unknown	Steel Protective Coating	51
Span 1	Expansion Joint, End Bent 1	Standard Joint	Pourable Joint Seal	28
Span 1	Wearing Surface	Concrete Wearing Surface	Wearing Surface	1587
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1580
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	50
Span 2	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 2	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 2	Expansion Joint, Bent 1	Standard Joint	Pourable Joint Seal	28
Span 2	Wearing Surface	Concrete Wearing Surface	Wearing Surface	1579
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1580
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	50
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	50
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	50
Span 3	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 3	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 3	Expansion Joint, Bent 2	Standard Joint	Pourable Joint Seal	28
Span 3	Wearing Surface	Concrete Wearing Surface	Wearing Surface	1579

Elements Verified

Location	Name	Component	Element Name	Amount
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1580
Span 4	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 4	Beam 2	Plate Girder	Steel Open Girder/Beam	50
Span 4	Beam 3	Plate Girder	Steel Open Girder/Beam	50
Span 4	Beam 4	Plate Girder	Steel Open Girder/Beam	50
Span 4	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 4	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 4	Expansion Joint, Bent 3	Standard Joint	Pourable Joint Seal	28
Span 4	Wearing Surface	Concrete Wearing Surface	Wearing Surface	1579
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 5	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1580
Span 5	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 5	Beam 2	Plate Girder	Steel Open Girder/Beam	50
Span 5	Beam 3	Plate Girder	Steel Open Girder/Beam	50
Span 5	Beam 4	Plate Girder	Steel Open Girder/Beam	50
Span 5	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 5	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 5	Expansion Joint, Bent 4	Standard Joint	Pourable Joint Seal	28
Span 5	Wearing Surface	Concrete Wearing Surface	Wearing Surface	1579
Span 5	Near Bearing	Other Bearing	Other Bearings	1
Span 5	Far Bearing	Other Bearing	Other Bearings	1
Span 5	Far Bearing	Other Bearing	Other Bearings	1
Span 5	Near Bearing	Other Bearing	Other Bearings	1
Span 5	Near Bearing	Other Bearing	Other Bearings	1
Span 5	Far Bearing	Other Bearing	Other Bearings	1
Span 5	Far Bearing	Other Bearing	Other Bearings	1
Span 5	Near Bearing	Other Bearing	Other Bearings	1
Span 6	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1580
Span 6	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 6	Beam 2	Plate Girder	Steel Open Girder/Beam	50

Elements Verified

Location	Name	Component	Element Name	Amount
Span 6	Beam 3	Plate Girder	Steel Open Girder/Beam	50
Span 6	Beam 4	Plate Girder	Steel Open Girder/Beam	50
Span 6	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 6	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 6	Expansion Joint, Bent 5	Standard Joint	Pourable Joint Seal	28
Span 6	Wearing Surface	Concrete Wearing Surface	Wearing Surface	1579
Span 6	Far Bearing	Other Bearing	Other Bearings	1
Span 6	Near Bearing	Other Bearing	Other Bearings	1
Span 6	Near Bearing	Other Bearing	Other Bearings	1
Span 6	Far Bearing	Other Bearing	Other Bearings	1
Span 6	Far Bearing	Other Bearing	Other Bearings	1
Span 6	Near Bearing	Other Bearing	Other Bearings	1
Span 6	Near Bearing	Other Bearing	Other Bearings	1
Span 6	Far Bearing	Other Bearing	Other Bearings	1
Span 7	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1580
Span 7	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 7	Beam 2	Plate Girder	Steel Open Girder/Beam	50
Span 7	Beam 3	Plate Girder	Steel Open Girder/Beam	50
Span 7	Beam 4	Plate Girder	Steel Open Girder/Beam	50
Span 7	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 7	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	50
Span 7	Expansion Joint, Bent 6	Standard Joint	Pourable Joint Seal	28
Span 7	Wearing Surface	Concrete Wearing Surface	Wearing Surface	1579
Span 7	Near Bearing	Other Bearing	Other Bearings	1
Span 7	Far Bearing	Other Bearing	Other Bearings	1
Span 7	Far Bearing	Other Bearing	Other Bearings	1
Span 7	Near Bearing	Other Bearing	Other Bearings	1
Span 7	Near Bearing	Other Bearing	Other Bearings	1
Span 7	Far Bearing	Other Bearing	Other Bearings	1
Span 7	Far Bearing	Other Bearing	Other Bearings	1
Span 7	Near Bearing	Other Bearing	Other Bearings	1
Span 8	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1588
Span 8	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 8	Beam 2	Plate Girder	Steel Open Girder/Beam	50
Span 8	Beam 3	Plate Girder	Steel Open Girder/Beam	50
Span 8	Beam 4	Plate Girder	Steel Open Girder/Beam	50
Span 8	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	51
Span 8	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	51
Span 8	Expansion Joint, Bent 7	Standard Joint	Pourable Joint Seal	28
Span 8	Expansion Joint, End Bent 2	Standard Joint	Pourable Joint Seal	28
Span 8	Wearing Surface	Concrete Wearing Surface	Wearing Surface	1587
Span 8	Far Bearing	Other Bearing	Other Bearings	1
Span 8	Near Bearing	Other Bearing	Other Bearings	1
Span 8	Near Bearing	Other Bearing	Other Bearings	1

Elements Verified

Location	Name	Component	Element Name	Amount
Span 8	Far Bearing	Other Bearing	Other Bearings	1
Span 8	Far Bearing	Other Bearing	Other Bearings	1
Span 8	Near Bearing	Other Bearing	Other Bearings	1
Span 8	Far Bearing	Other Bearing	Other Bearings	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
Bent 1	Pile 1	Other Pile	Other Pile	1
Bent 1	Pile 2	Other Pile	Other Pile	1
Bent 1	Pile 3	Other Pile	Other Pile	1
Bent 1	Pile 4	Other Pile	Other Pile	1
Bent 1	Pile 5	Other Pile	Other Pile	1
Bent 1	Pile 6	Other Pile	Other Pile	1
Bent 1	Pile 7	Other Pile	Other Pile	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	33
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	33
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
Bent 2	Pile 1	Other Pile	Other Pile	1
Bent 2	Pile 2	Other Pile	Other Pile	1
Bent 2	Pile 3	Other Pile	Other Pile	1
Bent 2	Pile 4	Other Pile	Other Pile	1
Bent 2	Pile 5	Other Pile	Other Pile	1
Bent 2	Pile 6	Other Pile	Other Pile	1
Bent 2	Pile 7	Other Pile	Other Pile	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	33
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	33
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
Bent 3	Pile 1	Other Pile	Other Pile	1
Bent 3	Pile 2	Other Pile	Other Pile	1
Bent 3	Pile 3	Other Pile	Other Pile	1
Bent 3	Pile 4	Other Pile	Other Pile	1
Bent 3	Pile 5	Other Pile	Other Pile	1
Bent 3	Pile 6	Other Pile	Other Pile	1
Bent 3	Pile 7	Other Pile	Other Pile	1
Bent 4	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
Bent 4	Pile 1	Other Pile	Other Pile	1
Bent 4	Pile 2	Other Pile	Other Pile	1
Bent 4	Pile 3	Other Pile	Other Pile	1
Bent 4	Pile 4	Other Pile	Other Pile	1
Bent 4	Pile 5	Other Pile	Other Pile	1
Bent 4	Pile 6	Other Pile	Other Pile	1
Bent 4	Pile 7	Other Pile	Other Pile	1
Bent 5	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
Bent 5	Pile 1	Other Pile	Other Pile	1
Bent 5	Pile 2	Other Pile	Other Pile	1
Bent 5	Pile 3	Other Pile	Other Pile	1
Bent 5	Pile 4	Other Pile	Other Pile	1

Elements Verified

Location	Name	Component	Element Name	Amount
Bent 5	Pile 5	Other Pile	Other Pile	1
Bent 5	Pile 6	Other Pile	Other Pile	1
Bent 5	Pile 7	Other Pile	Other Pile	1
Bent 6	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
Bent 6	Pile 1	Other Pile	Other Pile	1
Bent 6	Pile 2	Other Pile	Other Pile	1
Bent 6	Pile 3	Other Pile	Other Pile	1
Bent 6	Pile 4	Other Pile	Other Pile	1
Bent 6	Pile 5	Other Pile	Other Pile	1
Bent 6	Pile 6	Other Pile	Other Pile	1
Bent 6	Pile 7	Other Pile	Other Pile	1
Bent 7	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
Bent 7	Pile 1	Other Pile	Other Pile	1
Bent 7	Pile 2	Other Pile	Other Pile	1
Bent 7	Pile 3	Other Pile	Other Pile	1
Bent 7	Pile 4	Other Pile	Other Pile	1
Bent 7	Pile 5	Other Pile	Other Pile	1
Bent 7	Pile 6	Other Pile	Other Pile	1
Bent 7	Pile 7	Other Pile	Other Pile	1

General Inspection Notes

Bent 3

Cap 1

16" X 15" X 2" DELAMINATION, SOUTH FACE BELOW BAY 3. - NOT OBSERVED

20" X 11" X 2" DELAMINATION, SOUTH FACE, BELOW BAY 2. - NOT OBSERVED

Span 1

Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 1

Beam 3

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 2

Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 2

Beam 3

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 2

Expansion Joint, Bent 1

5' OF ASPHALT, HAS BEEN DISTORTED EXPOSING METAL PLATE ALONG JOINT - NOT OBSERVED, NEW DECK SINCE PREVIOUS INSPECTION

Span 3

Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 3

Beam 3

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

General Inspection Notes

Span 4 Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 4 Beam 3

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 5 Beam 1

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 5 Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 5 Beam 3

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 5 Expansion Joint, Bent 4

5' OF ASPHALT, HAS BEEN DISTORTED EXPOSING METAL PLATE ALONG JOINT. - NOT OBSERVED, DECK REPLACED SINCE PREVIOUS INSPECTION

Span 6 Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 6 Beam 3

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED

General Inspection Notes

SINCE PREVIOUS INSPECTION

Span 7 Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 7 Beam 3

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 7 Expansion Joint, Bent 6

10' OF ASPHALT, HAS BEEN DISTORTED EXPOSING METAL PLATE ALONG JOINT.- NOT OBSERVED, DECK REPLACED SINCE PREVIOUS INSPECTION

Span 8 Beam 2

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

15% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

Span 8 Beam 3

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

15% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT BEAM. - NOT OBSERVED, BEAMS PAINTED SINCE PREVIOUS INSPECTION

National Bridge and NC Inspection Items

Structure Number: 500100

Inspection Date: 06/15/2021

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9, N	7
Item 59: Superstructure	0 - 9, N	6
Item 60: Substructure	0 - 9, N	4
Item 61: Channel and Channel Protection	0 - 9, N	4
Item 62: Culvert	0 - 9, N	N
Item 71: Waterway Adequacy	0 - 9, N	7
Item 72: Approach Roadway Alignment	0 - 9, N	8

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	F	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	F	400	3352
Scour	G, F, P, or C	P		
Wingwall	G, F, P, or C	F	350	3350
Field Scour Evaluation		P		
Drift	G, F, P, or C	G	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		U		

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	10
Traffic Control Time	Hours	7
Snooper Time	Hours	7
Ladder Used	YES/NO	N
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	Y

National Bridge and NC SMU Inspection Item Details

Structure Number: 500100

Inspection Date: 06/15/2021

Item	Superstructure - Item 59	Grade	6	Maint Code	Qty. 0
Details	NEW PAINT ON THE BEAMS AND BEARINGS				
Item	Substructure - Item 60	Grade	4	Maint Code	Qty. 0
Details	NEW SEALING ON TOP OF END BENT CAPS				
	SUBSTRUCTURE IS IN POOR CONDITION DUE TO SCOUR AT BENTS 3, 4, 5, AND 6. POST HURRICANE MATTHEW UNDERWATER INSPECTION REPORT DATED 9/13/2017 INDICATES SCOUR WITH EXPOSED STEEL PILES AT BENTS 3 AND 6				
Item	Channel and Channel Protection - Item 61	Grade	4	Maint Code	Qty. 0
Details	50 FT LONG X 4 FT HIGH X 4 FT DEEP AREA OF EROSION ALONG NORTH BANK				
	POST HURRICANE MATTHEW UNDERWATER INSPECTION REPORT DATED 9/13/2017 RATES 4 DUE TO CHANNEL CONTRACTOR CONTRACTION SCOUR				
Item	Snooper Used	Grade	Y	Maint Code	Qty. 0
Details	HYDRA PLATFORM				
Item	Slope Protection	Grade	F	Maint Code	3352 Qty. 400
Details	HEAVY VEGETATION GROWTH FOR FULL HEIGHT OF SLOPE PROTECTION AT END BENT 2 UNDER BAY 1				
	UP 3 FT LONG X 1/4 IN WIDE LONGITUDINAL CRACK IN TOP OF SLOPE PROTECTION AT BAY 2, IN BENT 1				
Item	Scour	Grade	P	Maint Code	Qty. 0
Details	POST HURRICANE MATTHEW UNDERWATER INSPECTION REPORT DATED 9/13/2017 INDICATES SCOUR WITH EXPOSED TEEL PILE AT BENTS 3 TO 6				
Item	Wingwalls	Grade	F	Maint Code	3350 Qty. 350
Details	HEAVY VEGETATION GROWTH AT SOUTHWEST, SOUTHEAST, AND NORTHWEST WINGWALL				
Item	Field Scour Evaluation	Grade	P	Maint Code	Qty. 0
Details	POST HURRICANE MATTHEW UNDERWATER INSPECTION REPORT DATED 9/13/2017 RATES FIELD SCOUR EVALUTION AS "P" AS PER REFERENCE TO THE PILE TIP ELEVATION DATA				
Item	General Comments and Misc Items	Grade		Maint Code	Qty. 0
Details	HEAVY IMPACT DAMAGE FOR 10 FT LONG IN SOUTHEAST APPROACH GUARDRAIL AT 15 FT FROM END BENT 1				
	GUARDRAIL IS CONTINUOUS AT NORTHEAST,SOUTHEAST, NORTHWEST, AND SOUTHWEST CORNERS				
	MODERATE IMPACT DAMAGE TO NORTHEAST APPROACH GUARDRAIL AT 15 FT FROM END BENT 2				
Item	Portion of structure in > 3' of water (Y or N)	Grade	Y	Maint Code	Qty. 0
Details	BENTS 3, 4, 5, AND 6				



MODERATE IMPACT DAMAGE TO NORTHEAST APPROACH GUARDRAIL AT 15 FT FROM END BENT 2



HEAVY IMPACT DAMAGE FOR 10 FT LONG IN SOUTHEAST APPROACH GUARDRAIL AT 15 FT FROM END BENT 1



Span 1 Right Bridge Rail: IMPACT DAMAGE WITH SCRAPE MARKS FOR FULL SPAN LENTH IN BOTTOM OF SUPPLEMENTAL RAIL.



Span 1 Wearing Surface: MINOR ABRASION WITH EXPOSED AGGREGATE ALONG THE WHEEL PATHS FOR FULL LENGTH



Span 2 Right Bridge Rail: UP TO 0.03 IN WIDE X 2 FT LONG DIAGONAL CRACKS IN BOTTOM OF CURB AT 1 FT FROM BENT 2.



Span 2 Right Bridge Rail: IMPACT DAMAGE WITH SCRAPE MARKS FOR FULL SPAN LENTH IN BOTTOM OF SUPPLEMENTAL RAIL.



Span 8 Right Bridge Rail: HEAVY IMPACT DAMAGE WITH UP TO 3 IN LONG X 1 IN HIGH HOLES AND DENTS IN THE BOTTOM OF SUPPLMENTAL BRIDGE RAIL FOR FULL SPAN LENGTH. DAMAGE EXTENDS INTO SPANS 7 AND 6.



Span 8 Right Bridge Rail: 1 FT LONG X 4 IN WIDE X 1 IN DEEP SPALL IN BOTTOM FACE AT END BENT 2



End Bent 2 Cap 1: 2 FT HIGH X 1/16 IN WIDE DIAGONAL CRACK UNDER BEAM 4.



End Bent 2 Cap 1: 3 FT LONG X 1/16 IN WIDE HORIZONTAL CRACK, BELOW BEAM 2. TYPICAL AT BEAM 3.



End Bent 2 Abutment: 4 FT HIGH X UP TO 0.05 IN WIDE VERTICAL CRACK IN BAY 2



End Bent 2 Abutment: HEAVY VEGETATION GROWTH UNDER BOTH OVERHANGS



HEAVY VEGETATION GROWTH FOR FULL HEIGHT OF SLOPE PROTECTION AT END BENT 2 UNDER BAY 1



Span 8 Deck: UP TO .05 IN WIDE X 3 FT LONG HORIZONTAL CRACKS UNDER RIGHT OVERHANG SIMILAR UNDER LEFT OVERHANG



End Bent 2 Cap 1: 3 FT LONG X UP TO 1/16 IN WIDE HORIZONTAL CRACK, BELOW BAY 1.



Span 1 Right Bridge Rail: UP TO 6 IN DIAMETER X 1.5 IN DEEP SPALL IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION. TYPICAL AT SEVERAL CONNECTIONS.



Span 1 Deck: 9 IN LONG X UP TO 4 IN WIDE X UP TO 2.5 IN DEEP SPALL IN RIGHT DECK OVERHANG ABOVE BENT 1.



Span 1 Deck: SIX (6) UP TO 0.02 IN WIDE TRANSVERSE CRACKS UNDER LEFT OVERHANG, SCATTERED.



Span 1 Far Bearing: BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.



Span 1 Far Bearing: WELDED REPAIR, WITH NEW ANCHOR BOLT.



Span 1 Deck: UP TO 0.02 IN WIDE TRANSVERSE CRACKS IN DECK UNDERSIDE IN BAY 1 BETWEEN INTERMEDIATE DIAPHRAGMS TYPICAL IN BAYS 2 AND 3.



Span 1 Far Bearing: WELDED REPAIR WITH NEW ANCHOR BOLT.



Bent 1 Pile 3: MINOR VEGETATION GROWTH IN SOUTH AND NORTH FACES.



Bent 1 Pile 1: VEGETATION GROWTH ALONG SOUTHWEST CORNER FOR UP TO 12 FT HIGH.



Span 2 Deck: UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT.



Span 2 Deck: NINE (9) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN LEFT OVERHANG. TYPICAL AT RIGHT OVERHANG.



Span 2 Right Bridge Rail: BOLT HAS DETACHED FROM CONCRETE OUTER RAIL 10 FT FROM END BENT 1 LEAVING METAL INNER RAIL FREE. (PAR)



Span 2 Far Bearing: BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 85% SECTION REMAINING.



Span 2 Far Bearing: WELDED REPAIR WITH NEW ANCHOR BOLT. UP TO 50% SECTION LOSS IN OLD ANCHOR BOLT. PAR NOT ISSUED DUE TO NEW ANCHOR BOLT REPAIR.



Span 3 Deck: UP TO 0.03 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT.



Span 3 Deck: 2 FT LONG X 1 FT HIGH SOUND CONCRETE PATCH IN BAY 2 BENT DIAPHRAGM AT BENT 2



Span 3 Deck: SIX (6) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN RIGHT OVERHANG. TYPICAL AT LEFT OVERHANG.



Span 3 Near Bearing: BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.



Span 3 Beam 4: 2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.



Span 3 Deck: NEW REPAIR 4 FT LONG X 1 FT HIGH SOUND CONCRETE PATCH IN BENT DIAPHRAGM AT BENT 2. NEW SINCE PREVIOUS INSPECTION.



Span 3 Far Bearing: BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 80% SECTION REMAINING.



Span 3 Far Bearing: ANCHOR BOLT NUT NOT CONNECTED COMPLETELY



Span 4 Deck: 4 FT LONG X 1 FT HIGH AREA OF UNSOUND CONCRETE PATCH WITH UP TO 0.05 IN VERTICAL CRACKS IN BAY 3 BENT DIAPHRAGM AT BENT BENT 3



Span 4 Deck: EIGHT (8) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN LEFT OVERHANG.



Span 4 Beam 1: 2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.



Span 4 Far Bearing: WELDED REPAIR WITH NEW ANCHOR BOLT.



Span 4 Beam 3 - Far Bearing: BEARING HAS WELDED REPAIR WITH NEW ANCHOR BOLTS.



Span 4 Beam 3 - Far Bearing: NEW BEARING HAS A LOSS OF BEARING AREA DUE TO SPALL ON CAP. AREA REPAIRED IS UNSOUND AND HAS 6 IN HIGH X 5 IN WIDE X 2 IN DEEP SPALLS. (PAR)



Span 4 Beam 3 - Far Bearing: NEW BEARING HAS A LOSS OF BEARING AREA DUE TO SPALL ON CAP. AREA REPAIRED IS UNSOUND AND HAS 6 IN HIGH X 5 IN WIDE X 2 IN DEEP SPALLS. (PAR)



Bent 4 Cap 1: 15 IN HIGH X 21 IN WIDE SOUND CONCRETE PATCH AREA, TOP SOUTHEAST CORNER OF CAP, BELOW NEW BEARING ASSEMBLY OF BEAM 4. PATCH EXHIBITS A 8 IN LONG X 0.02 IN WIDE DIAGONAL CRACK STARTING AT TOP LEFT CORNER IN SOUTH FACE AND A UP TO 0.03 IN WIDE X 15 IN LONG VERTICAL CRACK IN EAST FACE.



Bent 4 Cap 1: NEW REPAIR 18 IN WIDE X 1 FT HIGH UNSOUND CONCRETE PATCH IN SOUTH FACE BELOW BEAM 3. BEARING IS NOT SEATED LEVEL. REPAIRS MADE SINCE PREVIOUS INSPECTION ARE UNSOUND



Bent 4 Cap 1: 3.5 FT LONG X 1.5 FT HIGH UNSOUND PATCHED AREA WITH SPALLS, TOP OF SOUTH FACE, BELOW BEAM 3.



Span 4 Beam 1: 2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.



Span 4 Beam 3 - Near Bearing - Protective System: NEW REPAIR: PROTECTIVE SYSTEM IS REPAINTED SINCE PREVIOUS INSPECTION.



Span 4 Deck: EIGHT (8) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN LEFT OVERHANG.



Span 4 Deck: UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT.



Span 5 Beam 4: 3 FT LONG X 1/16 IN WIDE HORIZONTAL CRACK IN BENT DIAPHRAGM AT BENT 5



Span 5 Deck: 6 IN DIAMETER X 3/4 IN DEEP SPALL IN INTERMEDIATE DIAPHRAGM IN BAY 2 ABOVE BENT 5.



Span 5 Deck: UP TO 0.05 IN WIDE X 2 FT HIGH VERTICAL CRACKS IN BENT DIAPHRAGM IN SEVERAL BAYS AT BENT 5



Span 5 Far Bearing: BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.



Span 6 Deck: FOUR (4) UP TO 0.02 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN RIGHT OVERHANG. SEVEN (7) SIMILAR CRACKS IN LEFT OVERHANG.



Span 6 Deck: UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE, SCATTERED THROUGHOUT.



50 FT LONG X 4 FT HIGH X 4 FT DEEP AREA OF EROSION ALONG NORTH BANK



50 FT LONG X 4 FT HIGH X 4 FT DEEP AREA OF EROSION ALONG NORTH BANK



Span 6 Beam 4: 2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.



Span 6 Far Bearing: BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 90% SECTION REMAINING.



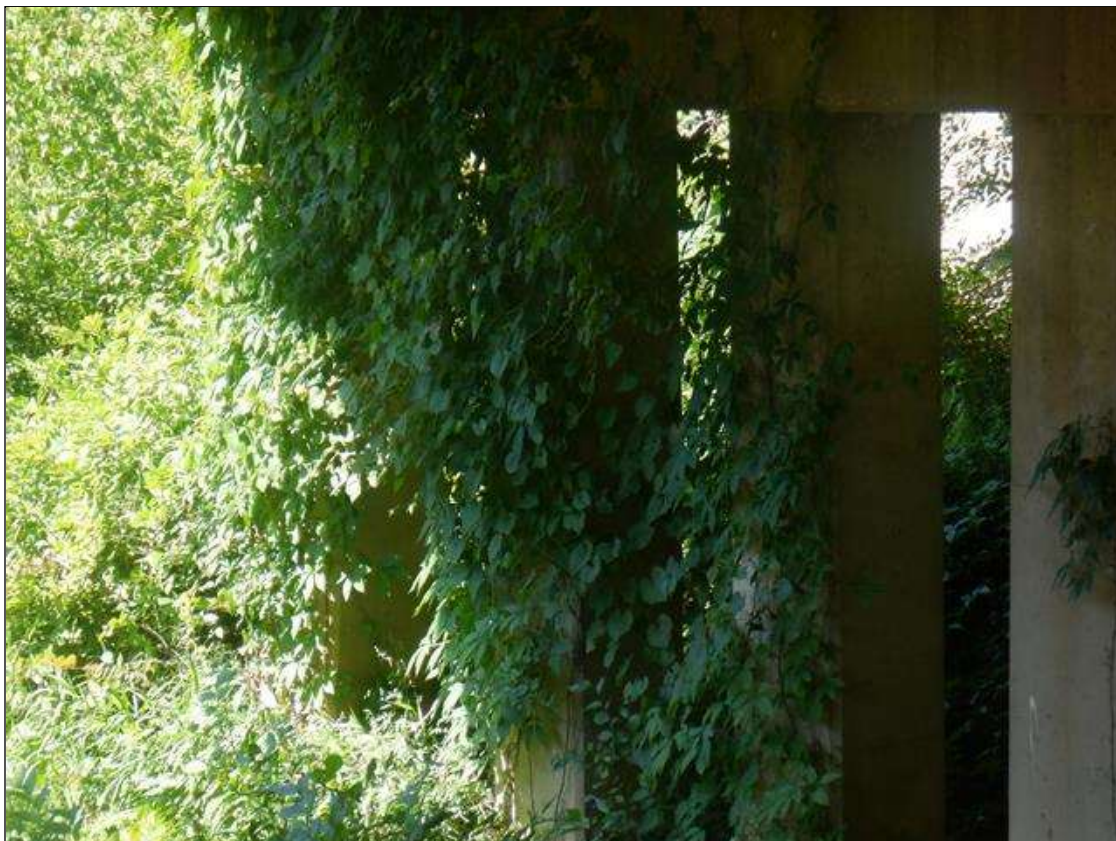
Span 6 Far Bearing: LEFT ANCHOR BOLT HAS UP TO 80% SECTION REMAINING AND ANCHOR BOLT NUT HAS UP TO 50% SECTION REMAINING.



Span 6 Deck: 38 IN LONG X 1 FT HIGH SOUND CONCRETE PATCHED AREA, BOTTOM OF BAY 2 END DIAPHRAGM, AT BENT 6.



Span 7 Beam 4: 2 IN HIGH OF INTERMEDIATE STIFFENER IS CUT OUT AT BOTTOM AT BOTH LOCATIONS. PAR IS NOT ISSUED AS IT APPEARS TO BE FROM PREVIOUS BRIDGE REPAIR.



Bent 7 Pile 1: VEGETATION GROWTH ALONG NORTHWEST CORNER OF PILE FOR FULL HEIGHT.



Span 8 Near Bearing: BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS EXSISTS BENEATH THE PAINTED SURFACES IN BOTH MASONRY AND SOLE PLATES. UP TO 95% SECTION REMAINING.



Bent 7 Cap 1: HAIRLINE HORIZONTAL CRACKS IN BOTH ENDS



Bent 7 Cap 1: 3 FT WIDE X 6 IN HIGH DELAMINATION WITH A 3 FT LONG HORIZONTAL CRACK UP TO 1/32 IN WIDE BOTTOM OF NORTH FACE, OVER PILE 3.



Span 8 Beam 3 - Near Bearing: BEARING ASSEMBLY HAS WELDED REPAIR WITH NEW ANCHOR BOLT.



HEAVY VEGETATION GROWTH AT SOUTHWEST, SOUTHEAST, AND NORTHWEST WINGWALL



End Bent 1 Abutment: 3 FT HIGH X 0.05 IN WIDE VERTICAL CRACK WITH EFFLORESCENCE IN BAYS 1 AND 2



End Bent 1 Cap 1: TWO (2) 2 FT LONG X 0.03 IN WIDE DIAGONAL CRACKS IN FACE OF CAP BELOW BAY 2.



UP 3 FT LONG X 1/4 IN WIDE LONGITUDINAL CRACK IN TOP OF SLOPE PROTECTION AT BAY 2, IN BENT 1



5 FT LONG X 20 FT WIDE AREA OF EROSION WITH FALLEN FENCE POST UNDER SPAN 8

Stream Bed Soundings

(Profile diagram on following sheet)

County **JOHNSTON**

Structure Number: **500100**

Inspection Date **06/15/2021**

Sounding recorded from: **Top of Bridge Rail**

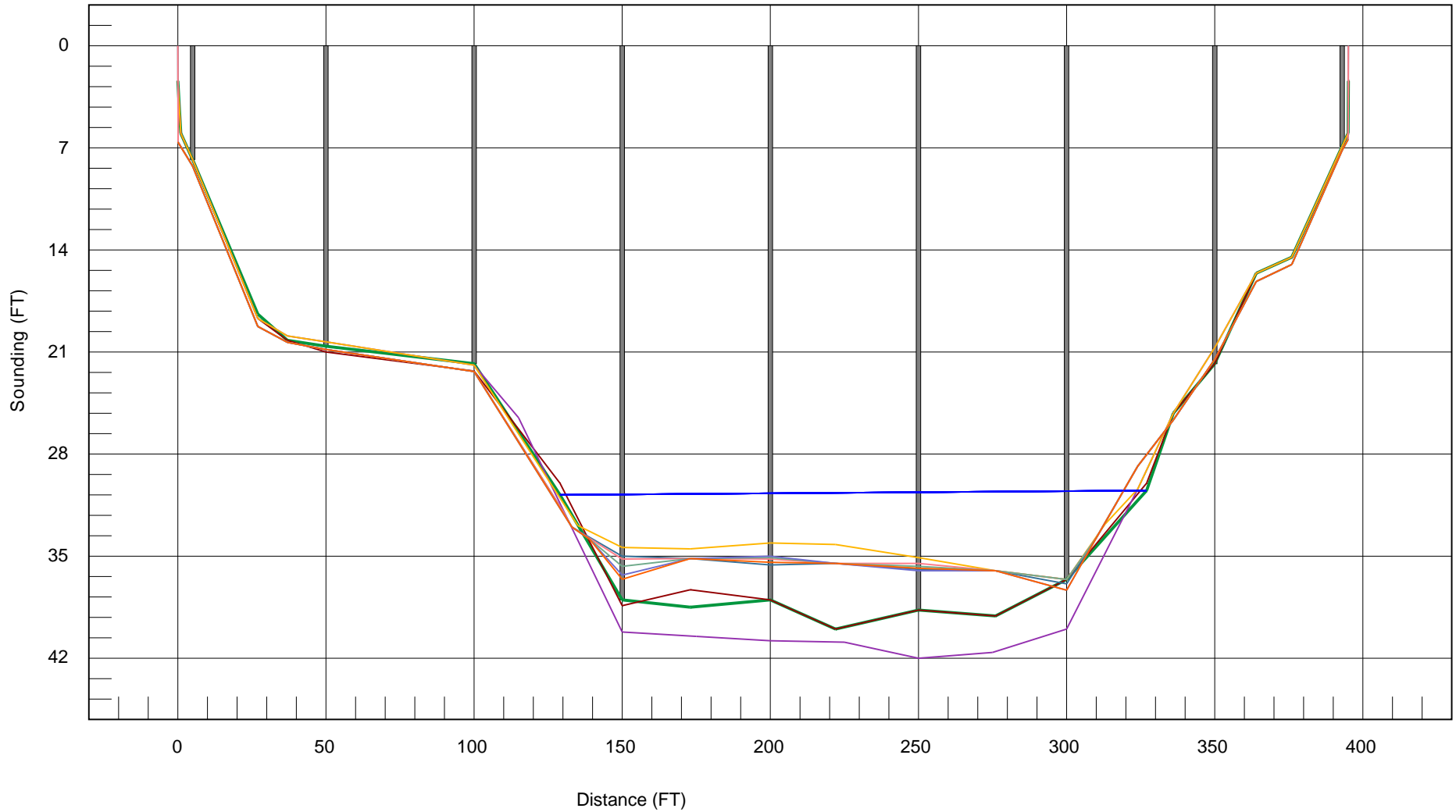
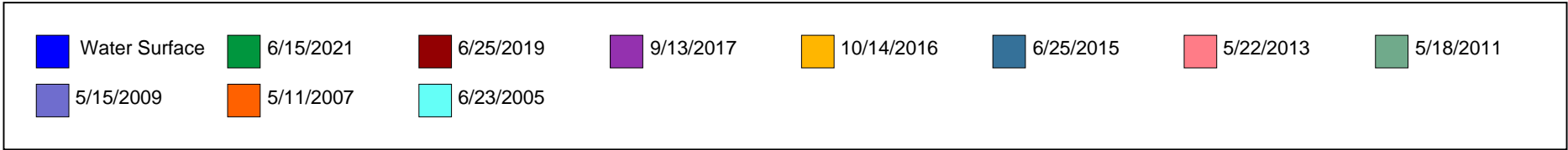
Highwater Mark Distance

Location of Highwater Mark

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.400	0.000	TOP OF RAIL
1.000	6.000	0.000	TOP OF CAP
5.000	7.800	7.800	END BENT 1
27.000	18.400	0.000	
37.000	20.200	0.000	
50.000	20.600	20.300	BENT 1
100.000	21.800	22.300	BENT 2
129.000	30.800	0.000	WSWE
150.000	38.000	34.600	BENT 3
173.000	38.500	0.000	
200.000	38.000	34.000	BENT 4
222.000	40.000	0.000	
250.000	38.700	35.000	BENT 5
276.000	39.100	0.000	
300.000	36.600	38.000	BENT 6
327.000	30.500	0.000	WSWE
336.000	25.200	0.000	
350.000	21.800	17.000	BENT 7
364.000	15.600	0.000	
376.000	14.500	0.000	
393.000	6.900	7.000	END BENT 2
395.000	6.000	0.000	TOP OF CAP
395.100	2.400	0.000	TOP OF RAIL

STREAMBED PROFILE (Downstream)

Top of Rail = 0FT (Sounding)

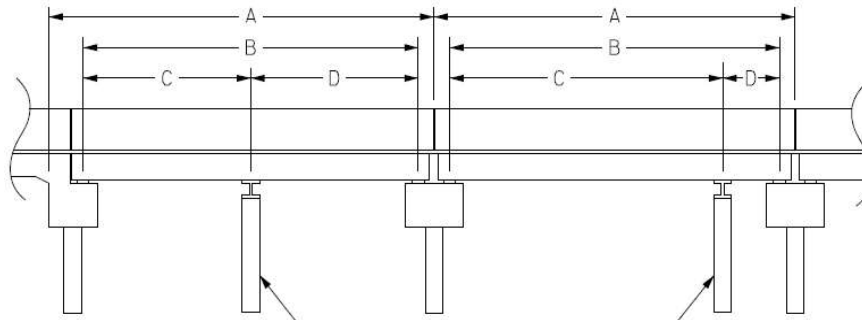


Structure Data Worksheet

Span Profile

County: **JOHNSTON**

Structure Number: **500100**



A: SPAN LENGTH
 B: BEARING TO BEARING
 C: DISTANCE FROM NEAR BEARING
 D: DISTANCE TO FAR BEARING

Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	50.250	48.500			
2	50.000	49.000			
3	50.000	49.000			
4	50.000	49.000			
5	50.000	49.000			
6	50.000	49.000			
7	50.000	49.000			
8	50.250	48.500			



LOOKING SOUTH



NORTH APPROACH



TYPICAL POST SPACING AT MID-LENGTH AT NORTHEAST CORNER



TYPICAL POST SPACING AT BRIDGE AT NORTHEAST CORNER



TYPICAL EXPANSION JOINT AT BENT 5



TYPICAL DRAINAGE HOLES ALONG RIGHT BRIDGE RAIL SIMILAR ALONG LEFT BRIDGE RAIL



LOOKING DOWNSTREAM FROM TOP OF THE BRIDGE



TOP OF DECK



TRAFFIC CONTROL USED



SOUTH APPROACH



HYDRA PLATFORM USED



LOOKING NORTH



DELINEATOR AT SOUTHWEST CORNER



TYPICAL LEFT BRIDGE RAIL IN SPAN 1



BRIDGE IDENTIFICATION AT SOUTHEAST CORNER



TYPICAL BRIDGE RAIL END AT SOUTHEAST CORNER



TYPICAL EXPANSION JOINT AT END BENT 1



LOOKING UPSTREAM FROM TOP OF BRIDGE



TYPICAL SUPPLEMENTAL GUARDRAIL IN FRONT OF BOTH BRIDGE RAILS FOR FULL LENGTH



TYPICAL RIGHT BRIDGE RAIL IN SPAN 7



DOWNSTREAM PROFILE



TYPICAL DRAINAGE PIPES UNDER RIGHT OVERHANG IN SPAN 8. SIMILAR IN ALL SPANS AND UNDER LEFT OVERHANG



SLOPE PROTECTION AT END BENT 2



END BENT 2 PROFILE



TYPICAL NORTHEAST WINGWALL



TYPICAL INTERMEDIATE DIAPHRAGM



TYPICAL BEARING AT END BENT



UPSTREAM PROFILE



BENT 7 PROFILE



TYPICAL BOTTOM FLANGE COVER PLATE DETAIL IN SPAN 8



SUPERSTRUCTURE UNDERSIDE SPAN 8



TYPICAL BENT DIAPHRAGM



TYPICAL PAINT ON BENT 1, BAY 3. TYPICAL IN ALL BAYS



BENT 1 PROFILE, BENT 2 -7 SIMILAR



TYPICAL BEARINGS AT BENT



TYPICAL SUPERSTRUCTURE UNDERSIDE SPAN 3



TYPICAL BEAM AND CAP ENDS AT BENT 3



LOOKING DOWNSTREAM FROM UNDER THE BRIDGE



LOOKING UPSTREAM FROM UNDER THE BRIDGE



BENT 4 PROFILE



END BENT 1 PROFILE



SLOPE PROTECTION AT END BENT 1




BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 500100

County JOHNSTON


Date:


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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	0	Span 8 Beam 4: UP TO 1.5 IN HIGH AREA OF COMPLETE SECTION LOSS IN INTERMEDIATE STIFFENER AT MID SPAN. (PAR)	
 3318	Maint to Concrete Handrail	LF	1	Span 2 Right Bridge Rail: BOLT HAS DETACHED FROM CONCRETE OUTER RAIL 10 FT FROM END BENT 1 LEAVING METAL INNER RAIL FREE. (PAR)	
 3334	Bridge Bearings	EA	1	Span 4 Beam 3 - Far Bearing: NEW BEARING HAS A LOSS OF BEARING AREA DUE TO SPALL ON CAP. AREA REPAIRED IS UNSOUND AND HAS 6 IN HIGH X 5 IN WIDE X 2 IN DEEP SPALLS. (PAR)	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 500100

County JOHNSTON

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	0 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/18/2021	VENKATA D.T. KOLLIPARA	
Details		
Span 8 Beam 4: UP TO 1.5 IN HIGH AREA OF COMPLETE SECTION LOSS IN INTERMEDIATE STIFFENER AT MID SPAN. (PAR)		

MMS Code	MMS Description	Quantity
3318	Maint to Concrete Handrail	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/18/2021	VENKATA D.T. KOLLIPARA	
Details		
Span 2 Right Bridge Rail: BOLT HAS DETACHED FROM CONCRETE OUTER RAIL 10 FT FROM END BENT 1 LEAVING METAL INNER RAIL FREE. (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

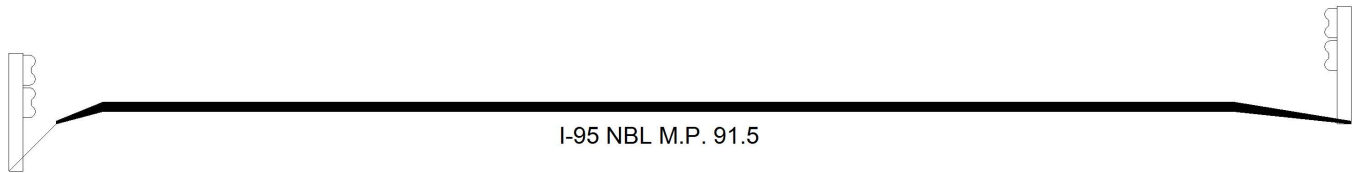
Bridge: 500100

County JOHNSTON

THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3334	Bridge Bearings	1 EA
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/18/2021	VENKATA D.T. KOLLIPARA	
Details		
Span 4 Beam 3 - Far Bearing: NEW BEARING HAS A LOSS OF BEARING AREA DUE TO SPALL ON CAP. AREA REPAIRED IS UNSOUND AND HAS 6 IN HIGH X 5 IN WIDE X 2 IN DEEP SPALLS. (PAR)		

Bridge Inspection Field Sketch



Roadway	24ft Wide	2 Paved Lanes	Looking North
Left Shoulder	2ft Wide	1ft Paved	1ft Unpaved
Right Shoulder	2.5ft Wide	2.5ft Paved	
Left Guardrail	2ft from road		
Right Guardrail	2.5ft from road		

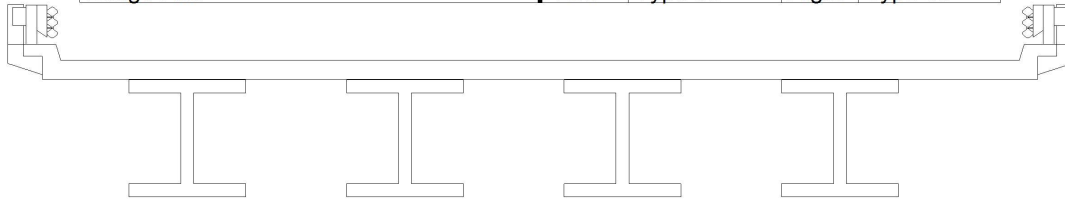
MEASURED AT 5 FT FROM END BENT 1 DECK JOINT AT SOUTHEAST CORNER

VERIFIED BY VDK ON 6/15/2021

Title APPROACH ROADWAY - NBL		Description LOOKING NORTH	
Bridge No: 500100	Drawn By: A. D. OSBORNE	Date: 06/21/2005	File Name: S0154000024

Bridge Inspection Field Sketch

Deck Width/Out to Out	33.50ft	Between Rails	28.167ft
Clear Roadway	28.167ft	Wearing Surface	0.146ft*
Median Width		Median Height	
Curb Height		Left	0.833ft
		Right	0.833ft
Sidewalk Width		Left	
		Right	
Clear Roadway (Rail to Median)		Left	
		Right	
Guardrail Width		Left	2.667ft
		Right	2.667ft
Top of Rail to Deck/Wearing Surface		Left	3.0ft
		Right	3.0ft
Bridge Rail		Left	Type 33
		Right	Type 33



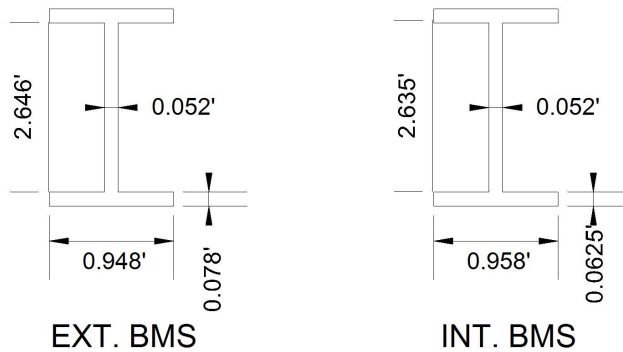
Measurements for Span #	1	TYPICAL IN OTHER SPANS	
Deck Thickness	0.895ft	Left Overhang	4.75'
Top of Rail to Bottom of Beam	6.541ft	Right Overhang	4.75'

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	8ft	
2	Steel I Beam	8ft	
3	Steel I Beam	8ft	
4	Steel I Beam	ft	

CHANGE IN BEAM SIZES, DECK WIDTH, CURB HEIGHT, OVERHANGS, TOP OF RAIL TO DECK, GUARDRAIL WIDTH

BEAMS 2&3 COVERPLATES = 26'-6" X 9" X 0.642"

* MINIMUM



VERIFIED BY VDK ON 6/15/2021

Title TYPICAL SECTION		Description 4 LINES STEEL I - BEAMS		
Bridge No: 500100	Drawn By: A. D. OSBORNE	Date: 06/21/2005	File Name: S0154000025	

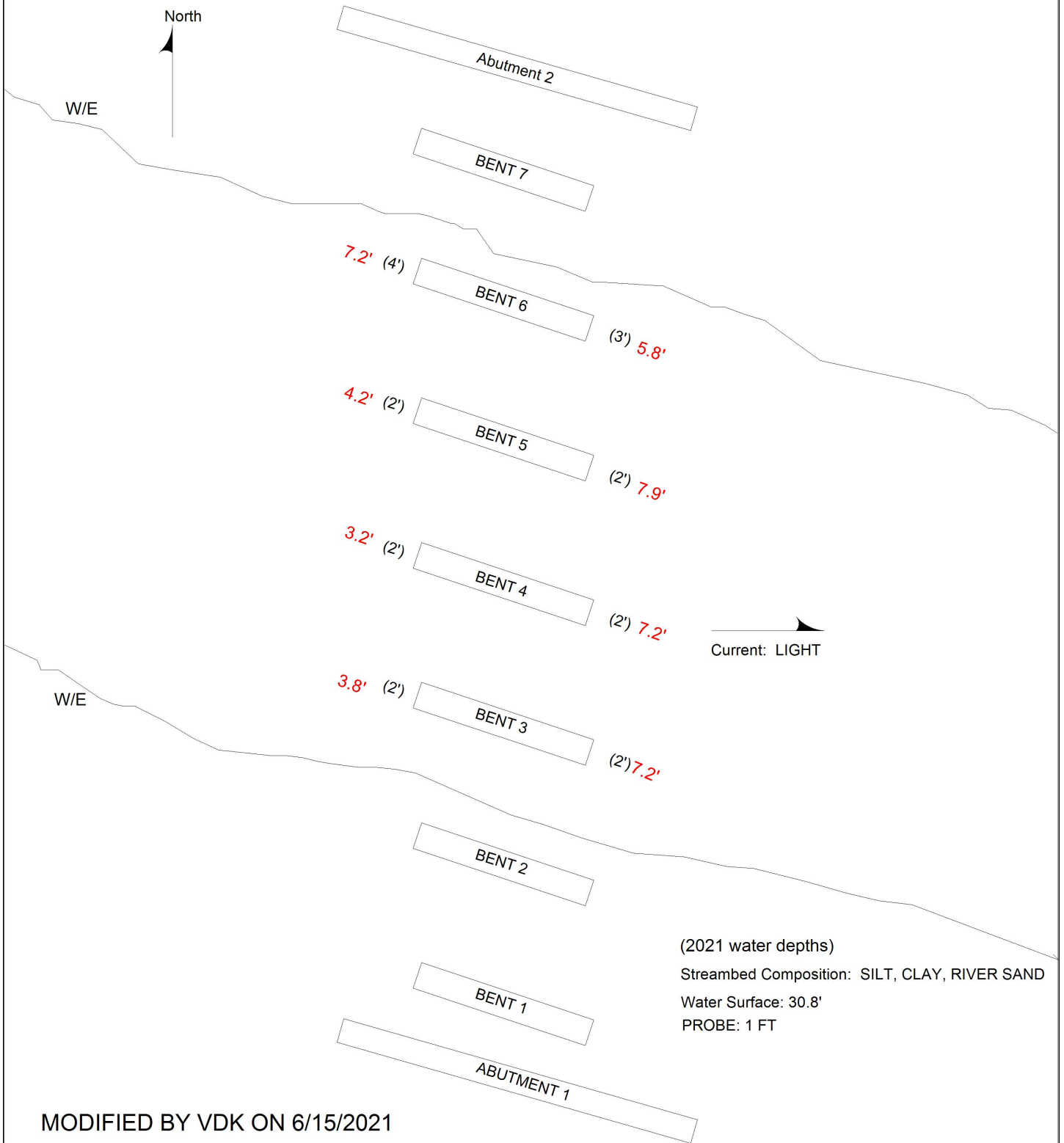
Bridge Inspection Field Sketch



Cap Information			Material Cast-in-Place Concrete							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
31.167 ft.	2.500 ft.	2.500 ft.	1.583 ft.	1.583 ft.	1.500 ft.	1.500 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Steel	4.667 ft.	1.833 ft.	1.833 ft.		Battered	Yes	No	No	No
2	Steel	4.667 ft.	1.833 ft.	1.833 ft.		Vertical	Yes	No	No	No
3	Steel	4.667 ft.	1.833 ft.	1.833 ft.		Vertical	Yes	No	No	No
4	Steel	4.667 ft.	1.833 ft.	1.833 ft.		Vertical	Yes	No	No	No
5	Steel	4.667 ft.	1.833 ft.	1.833 ft.		Vertical	Yes	No	No	No
6	Steel	4.667 ft.	1.833 ft.	1.833 ft.		Vertical	Yes	No	No	No
7	Steel		1.833 ft.	1.833 ft.		Battered	Yes	No	No	No
NOTE: PILES ARE CONCRETE ENCASED STEEL H-PILES										
VERIFIED BY VDK ON 6/15/2021										
Bent/Abutment #: 1			Similar Bents: 2-7							

Title				Description			
SUBSTRUCTURE				LOOKING SOUTH			
Bridge No: 500100		Drawn By:		Date: 06/22/2005		File Name: S0018000413	

Bridge Inspection Field Sketch



MODIFIED BY VDK ON 6/15/2021

Title		Description	
PLAN VIEW		BRIDGE AND WATERWAY	
Bridge No: 500100	Drawn By: WTW	Date: 09/19/2005	File Name: S0158000027

Bridge Inspection Field Sketch

BENT 7 STEEL PILE EXPOSURE BELOW CONCRETE ENCASEMENT

6/21/05

P1	P2	P3	P4	P5	P6	P7
0"	0"	0"	0"	0"	0"	8" @
						F-1,2,4

6/29/2017

P1	P2	P3	P4	P5	P6	P7
0"	0"	2"	2"	4"	8"	20"

VERIFIED BY VDK ON 6/15/2021

Title

VERTICAL EXPOSURE SHEET

Description

BT.#7 VERTICAL EXPOSURE.

Bridge No: 500100

Drawn By:

Date: 09/19/2005

File Name: S0158000028