NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: SNOOPER USED, NEW REPAIRS, NEW LMC OVERLAY, PAR SUBMITTED, CHANGE TO STRUCTURE DATA, NEWLY STRUCTURALLY DEFICIENT, CHANGE IN NBI RATING FOR ITEMS 60 AND 61.

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 06/26/2019

DIVISION: 4 **COUNTY:** JOHNSTON **STRUCTURE NUMBER:** 500101 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: I95 SBL **MILE POST:** 91.5

LOCATION: 1.8 MI N. JCT 301/US

FEATURE INTERSECTED: NEUSE RIVER

LATITUDE: 35° 28' 39.74" **LONGITUDE:** 78° 22' 4.59"

SUPERSTRUCTURE: RC FLOOR/I-BEAMS

SUBSTRUCTURE: EBT:RC CAP/STL.PILES;IBTS:RC CAP/ENCASED STL.PILES

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

☐ FRACTURE CRITICAL ☐ TEMPORARY SHORING ☐ SCOUR CRITICAL ☐ SCOUR PLAN OF ACTION

NBI GRADES: **DECK** 5 **SUPERSTRUCTURE** 6 **SUBSTRUCTURE** 4 **CULVERT** N

POSTED SV: Not Posted **POSTED TTST:** Not Posted

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

LOOKING NORTH

Sign noticed issued for		Number Required
NO	**WEIGHT LIMIT**	0
NO	**DELINEATORS**	0
NO	**NARROW BRIDGE**	0
NO	**ONE LANE BRIDGE**	0
NO	**LOW CLEARANCE**	0

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS NO PLANS

INSPECTED BY	SIGNATURE	ASSISTED BY
RAGHUVEER SURAPANENI	R. Surapaneni	ANGELICA PILARSKI

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

10/28/2019

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE **500101**
(8) STRUCTURE NUMBER (FEDERAL) **1010101**
(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 **I95 SBL**
(9) LOCATION **1.8 MI N. JCT 301/US**
(11) MILEPOINT **91.5**
(12) BASE HIGHWAY NETWORK **1**
(13) LRS INVENTORY ROUTE & SUBROUTE **10095**
(16) LATITUDE **35° 28' 39.74"** (17) LONGITUDE **78° 22' 4.59"**
(98) BORDER BRIDGE STATE CODE PERCENT SHARED
(99) BORDER BRIDGE STRUCTURE NUMBER

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 **8**
(46) NUMBER OF SPANS IN APPROACH **0**
(107) DECK STRUCTURE TYPE CODE **1**
(108)WEARING SURFACE/PROTECTIVE SYSTEM
(A) TYPE OF WEARING SURFACE CODE **6**
(B) TYPE OF MEMBRANE CODE **0**
(C) TYPE OF DECK PROTECTION CODE **0**

AGE AND SERVICE

(27) YEAR BUILT **1955**
(106) YEAR RECONSTRUCTED **0.000000**
(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 **4.0**

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 **35.3**
(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**

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**

SUFFICIENCY RATING **38.000000**
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 left structure of parallel bridges** **L**
(102) DIRECTION OF TRAFFIC **1-way traffic** **1**
(103) TEMPORARY STRUCTURE
(110) DESIGNATED NATIONAL NETWORK - **on natiional network for trucks** **1**
(20) TOLL **On Free Road** **3**
(21) MAINT - **01**
(22) OWNER - **01**
(37) HISTORICAL SIGNIFICANCE - **5**

CONDITION — CODE

(58) DECK **5**
(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-41** **77**
(65) INVENTORY RATING METHOD - **1**
(66) INVENTORY RATING **HS-24** **46**
(70) BRIDGE POSTING **No Posting Required** **5**
(41) STRUCTURE OPEN, POSTED, OR CLOSED **A**
DESCRIPTION **Open, no restriction**

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 **1111**
(113) SCOUR CRITICAL BRIDGES **8**

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**

INSPECTION

(90) INSPECTION DATE **06/17** (91) FREQUENCY **24**
(92) CRITICAL FEATURE INSPECTION (93) CFI DATE
A) FRACTURE CRIT DETAIL **0** A)
B) UNDERWATER INSP **24** B) **09/17**
C) OTHER SPECIAL INSP **0** 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	Asphalt Wearing Surface	Wearing Surface	1416 Square Feet		
8	Other Bearing	Other Bearings	8 Each	Unknow	16
4	Plate Girder	Steel Open Girder/Beam	200 Feet	Unknow	1836
1	Strip SEal	Strip Seal Expansion Joint	28 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1587 Square Feet		
2	Concrete and Metal Railing	Other Bridge Railing	102 Feet	Unknow	102

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	Unknow	16
2	Concrete and Metal Railing	Other Bridge Railing	100 Feet	Unknow	100
1	Asphalt Wearing Surface	Wearing Surface	1409 Square Feet		
4	Plate Girder	Steel Open Girder/Beam	200 Feet	Unknow	1836
1	Standard Joint	Pourable Joint Seal	28 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1579 Square Feet		

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)
8	Other Bearing	Other Bearings	8 Each	Unknow	16
1	Asphalt Wearing Surface	Wearing Surface	1409 Square Feet		
2	Concrete and Metal Railing	Other Bridge Railing	100 Feet	Unknow	100
4	Plate Girder	Steel Open Girder/Beam	200 Feet	Unknow	1836
1	Standard Joint	Pourable Joint Seal	28 Feet		

Superstructure Build Details

1	Reinforced Concrete Deck	Reinforced Concrete Deck	1558	Square Feet		

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)
8	Other Bearing	Other Bearings	8	Each	Unknow	16
2	Concrete and Metal Railing	Other Bridge Railing	100	Feet	Unknow	100
1	Asphalt Wearing Surface	Wearing Surface	1408	Square Feet		
4	Plate Girder	Steel Open Girder/Beam	200	Feet	Unknow	1836
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1579	Square Feet		
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	Standard Joint	Pourable Joint Seal	28	Feet		
1	Asphalt Wearing Surface	Wearing Surface	1408	Square Feet		
2	Concrete and Metal Railing	Other Bridge Railing	100	Feet	Unknow	100
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1579	Square Feet		
8	Other Bearing	Other Bearings	8	Each	Unknow	16
4	Plate Girder	Steel Open Girder/Beam	200	Feet	Unknow	1836

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	Asphalt Wearing Surface	Wearing Surface	1408	Square Feet		
1	Standard Joint	Pourable Joint Seal	28	Feet		
4	Plate Girder	Steel Open Girder/Beam	200	Feet	Unknow	1836
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1579	Square Feet		

Superstructure Build Details

8	Other Bearing	Other Bearings	8	Each	Unknow	16
2	Concrete and Metal Railing	Other Bridge Railing	100	Feet	Unknow	100

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	Asphalt Wearing Surface	Wearing Surface	1408	Square Feet		
4	Plate Girder	Steel Open Girder/Beam	200	Feet	Unknow	1836
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1579	Square Feet		
8	Other Bearing	Other Bearings	8	Each	Unknow	16
1	Standard Joint	Pourable Joint Seal	28	Feet		
2	Concrete and Metal Railing	Other Bridge Railing	100	Feet	Unknow	100

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)
1	Asphalt Wearing Surface	Wearing Surface	1416	Square Feet		
2	Standard Joint	Pourable Joint Seal	56	Feet		
8	Other Bearing	Other Bearings	8	Each	Unknow	16
4	Plate Girder	Steel Open Girder/Beam	200	Feet	Unknow	1836
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1587	Square Feet		
2	Concrete and Metal Railing	Other Bridge Railing	102	Feet	Unknow	102

Structure Element Scoring

Structure Number: **500101**

Inspection Date **6/26/2019**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	12627	9590	3008	29	0
107	0	Steel Open Girder/Beam	Beam	1600	1592	0	8	0
515	107	Steel Protective Coating	Beam	14688	14688	0	0	0
215	0	Reinforced Concrete Abutment	Abutments	66	33	33	0	0
229	0	Other Pile	Piles and Columns	49	17	12	5	15
234	0	Reinforced Concrete Pier Cap	Caps	290	287	2	1	0
301	0	Pourable Joint Seal	Expansion Joints	224	224	0	0	0
316	0	Other Bearings	Bearing Device	64	0	62	2	0
515	316	Steel Protective Coating	Bearing Device	128	128	0	0	0
321	0	Reinforced Concrete Approach Slabs	Approaches	312	312	0	0	0
333	0	Other Bridge Railing	Bridge Rail	804	718	51	35	0
515	333	Steel Protective Coating	Bridge Rail	804	804	0	0	0
510	0	Wearing Surface	Wearing Surfaces	11282	11282	0	0	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **500101** Inspection Date: **06/26/2019**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	25 Square Feet
3326	Reinforced Concrete Deck	Exposed Rebar	23 Square Feet
3326	Reinforced Concrete Deck	Cracking (RC and Other)	2667 Square Feet
3314	Steel Open Girder/Beam	Corrosion	8 Feet
3348	Other Pile	Delamination/Spall	4 Each
3348	Other Pile	Damage	2 Each
3348	Other Pile	Deterioration (Other)	1 Each
3348	Other Pile	Scour	70 Each
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	1 Feet
3334	Other Bearings	Corrosion	2 Each
3318	Other Bridge Railing	Connection	5 Feet
3318	Other Bridge Railing	Delamination/Spall	11 Feet
3318	Other Bridge Railing	Damage	20 Feet

Element Structure Maintenance Quantities

Structure Number: **500101** Inspection Date **06/26/2019**

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	33	33
Approaches	3353	Maintenance of Concrete Bridge Approach Slabs	0	312	0	0	0	312
Beam	3314	Maintenance Steel Superstructure Components	8	1600	0	8	0	1592
Beam	3342	Clean and Paint Steel	0	14688	0	0	0	14688
Bearing Device	3334	Bridge Bearing	2	64	0	2	62	0
Bearing Device	3342	Clean and Paint Steel	0	128	0	0	0	128
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	36	804	0	35	51	718
Bridge Rail	3342	Clean and Paint Steel	0	804	0	0	0	804
Caps	3348	Maintenance of Concrete Substructure	1	290	0	1	2	287
Deck	3326	Maintenance of Concrete Deck	2715	12627	0	29	3008	9590
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	224	0	0	0	224
Piles and Columns	3348	Maintenance of Concrete Substructure	77	49	15	5	12	17
Wearing Surfaces	2816	Asphalt Surface Repair	0	11282	0	0	0	11282

Priority Actions Request

Structure Number **500101**

Span2

3314 **Beam 1** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 2 Beam 1: 10 IN LONG X 5 IN WIDE AREA OF SECTION LOSS BENEATH THE PAINTED SURFACE ABOVE THE BEARING AT BENT 2. 0.60 IN SECTION REMAINING (PAR).

Bent 3

3348 **Pile 7** Other Pile

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	1	Bent 3 Pile 7: 4 FT HIGH X 4 IN WIDE SPALL WITH EXPOSED REINFORCEMENT IN EAST FACE. 90% SECTION REMAINING IN EXPOSED REINFORCEMENT (PAR).

Element Condition and Maintenance Data

Structure Number: **500101** Inspection Date: **06/26/2019**

Span 1 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,587	1,100	480	7	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Delamination/Spall	(2) 12 IN DIAMETER DELAMINATIONS, UNDERSIDE OF WEST OVERHANG, AT DRAIN 7.	3	2	2	Square Feet
12	Delamination/Spall	(2) 6 IN DIAMETER X 3/4 IN DEEP SPALLS, UNDERSIDE OF BAY 1 END DIAPHRAGM, AT BENT 1.	3	1	1	Square Feet
12	Delamination/Spall	12 IN DIAMETER AREA OF UNSOUND CONCRETE AT DRAIN 4 IN LEFT OVERHANG.	3	1	1	Square Feet
12	Delamination/Spall	5 IN DIAMETER X UP TO 1/2 IN DEEP SPALL IN WEST FACE AT MID SPAN.	3	1	1	Square Feet
12	Exposed Rebar	UP TO 1 FT WIDE X 9 IN LONG X UP TO 1 IN DEEP SPALL WITH EXPOSED REINFORCEMENT IN RIGHT OVERHANG, LOCATED AT THIRD DRAIN PIPE. 80% SECTION REMAINING IN EXPOSED REINFORCEMENT.	3	1	1	Square Feet
12	Exposed Rebar	UP TO 6 IN DIAMETER X UP TO 1 IN DEEP SPALL WITH EXPOSED REINFORCEMENT AT THIRD DRAIN PIPE IN LEFT OVERHANG. UP TO 90% SECTION REMAINING IN EXPOSED REINFORCEMENT.	3	1	1	Square Feet
12	Cracking (RC and Other)	2 FT HIGH X UP TO 0.03 IN WIDE VERTICAL CRACK IN DIAPHRAGM ABOVE BENT 1 CAP AT RIGHT END.	2	1	1	Square Feet
12	Cracking (RC and Other)	EIGHT (8) UP TO 0.03 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN RIGHT OVERHANG.	2	20	20	Square Feet
12	Cracking (RC and Other)	UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE IN ALL BAYS, SCATTERED THROUGHOUT.	2	450	450	Square Feet
12	Patched Areas	4 FT LONG X 8 IN HIGH SOUND CONCRETE PATCH IN BAY 2 END DIAPHRAGM, AT BENT 1.	2	4		Square Feet
12	Patched Areas	5 FT WIDE X 1 FT HIGH SOUND CONCRETE PATCH IN BAY 3 END DIAPHRAGM, AT BENT 1. PATCH EXHIBITS A HAIRLINE X 1 FT LONG CRACK IN BOTTOM RIGHT CORNER.	2	5		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	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

20% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 1 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 1 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

2' OF RUST SCALE ALONG BOTTOM FLANGE, AT BENT 1. - - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT 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	0	1	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	5 IN LONG X 5 IN WIDE AREA OF HEAVY SURFACE CORROSION BENEATH THE PAINTED SURFACES IN BOTTOM FLANGE OF LEFT FLANGE ABOVE BEARING AT BENT 1. UP TO 0.8 IN SECTION REMAINING.	3	1	1	Feet

General Comments

3' OF RUST SCALE ALONG BOTTOM FLANGE, AT BENT 1. - - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

30% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

FRECKLED RUST AT RANDOM ALONG WEB AND FLANGES, IN AREAS OF PAINT PEEL. - NOT OBSERVED, NEW PAINT 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	31	15	5	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	Connection	6 IN DIAMETER X 1 IN DEEP SPALLS IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION TO SUPPLEMENTAL GUARDRAIL AT ISOLATED LOCATIONS.	3	5	5	Feet
333	Patched Area	15 FT LONG AREA OF SOUND CONCRETE PATCHING TO CONCRETE RAIL, BEGINNING AT 15 FT FROM END BENT 1. PREVIOUS REPAIR.	2	15		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	26	20	5	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	6 IN DIAMETER X 1 IN DEEP SPALLS IN EXTERIOR FACE AT ANCHOR BOLT CONNECTION TO SUPPLEMENTAL GUARDRAIL AT ISOLATED LOCATIONS.	3	5	5	Feet
333	Patched Area	20 FT LONG OF SOUND CONCRETE PATCHING TO CONCRETE RAIL, BEGINNING AT 8 FT FROM END BENT 1.	2	20		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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 85% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN	2	1		Each

BOTH MASONRY AND SOLE PLATES.

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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 85% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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	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	Corrosion	SECTION LOSS IN THE RIGHT ANCHOR BOLT. UP TO 75% SECTION REMAINING.	3	1	1	Each
316	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS REMAINS BENEATH THE PAINTED SURFACES. UP TO 85% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2			Each

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	1,579	1,198	368	13	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Delamination/Spall	TWO (2) AREAS OF UNSOUND CONCRETE UP TO 2.5 FT LONG X 1 FT HIGH WITH SPALLING UP TO 5 IN DIAMETER X UP TO 1 IN DEEP IN INTERMEDIATE DIAPHRAGM IN BAY 1 AT BENT 1.	3	4	4	Square Feet
12	Delamination/Spall	UP TO 1.5 FT WIDE X 4 IN LONG X UP TO 2 IN DEEP SPALL IN DIAPHRAGM IN BAY 3 AT BENT 1.	3	2	2	Square Feet
12	Exposed Rebar	(3) 6 IN DIAMETER X 1/2 IN DEEP SPALLS WITH EXPOSED REINFORCING, UNDERSIDE OF BAY 1 END DIAPHRAGM, AT BENT 2. 90% SECTION REMAINING IN EXPOSED REINFORCING.	3	3	3	Square Feet
12	Exposed Rebar	5 IN DIAMETER X 1 IN DEEP SPALL WITH EXPOSED REINFORCEMENT IN DIAPHRAGM IN BAY 3 AT BENT 1. 90% SECTION REMAINING IN EXPOSED REINFORCEMENT.	3	1	1	Square Feet
12	Exposed Rebar	THREE (3) 6 IN DIAMETER X 3/4 IN DEEP SPALLS WITH EXPOSED REINFORCING, UNDERSIDE OF BAY 1 END DIAPHRAGM, AT BENT 2. 90% SECTION REMAINING IN EXPOSED REINFORCEMENT.	3	3	3	Square Feet
12	Cracking (RC and Other)	9 FT LONG X 1 FT HIGH CONCRETE PATCH, BAY 2 END DIAPHRAGM, AT BENT 2. PATCH EXHIBITS UP TO 1/8 IN WIDE X 5 FT LONG CRACK IN THE BOTTOM FACE WITH A 5 FT LONG X 5 IN WIDE UNSOUND CONCRETE AND UP TO 0.02 IN WIDE VERTICAL CRACKS IN FRONT FACE, SCATTERED.	2	9	9	Square Feet
12	Cracking (RC and Other)	EIGHT (8) UP TO 0.03 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN LEFT OVERHANG. SIX (6) SIMILAR CRACKS IN RIGHT OVERHANG.	2	75	75	Square Feet
12	Cracking (RC and Other)	UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE IN ALL BAYS, SCATTERED THROUGHOUT.	2	250	250	Square Feet
12	Delamination/Spall	FIVE (5) UP TO 6 FT IN DIAMETER AREA OF UNSOUND CONCRETE IN UNDERSIDE OF WEST OVERHANG, SCATTERED.	2	5	5	Square Feet
12	Patched Areas	40 IN WIDE X 1 FT HIGH SOUND CONCRETE PATCH IN BAY 1 END DIAPHRAGM, AT BENT 1.	2	4		Square Feet
12	Patched Areas	80 IN LONG X 1 FT HIGH SOUND CONCRETE PATCH IN BAY 3 END DIAPHRAGM, AT BENT 2.	2	7		Square Feet
12	Patched Areas	80 IN WIDE X 1 FT HIGH SOUND CONCRETE PATCH IN BAY 3 END DIAPHRAGM, AT BENT 2.	2	7		Square Feet
12	Patched Areas	82 IN WIDE X 1 FT HIGH SOUND CONCRETE PATCH AREA, BAY 2 END DIAPHRAGM, AT BENT 1.	2	7		Square Feet
12	Patched Areas	NEW REPAIR 3 FT WIDE X 1 FT HIGH SOUND CONCRETE PATCH IN OVERHANG IN EAST FACE AT BENT 2 AND A 1 FT WIDE X 2 FT HIGH SOUND CONCRETE PATCH IN DIAPHRAGM OUTSIDE OF BEAM 4 AT BENT 2.	2	3		Square Feet
12	Patched Areas	NEW REPAIR: 1 FT DIAMETER SOUND CONCRETE PATCH IN DIAPHRAGM OUTSIDE OF BEAM 1 AT BENT 1.	2	1		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	0	1	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	10 IN LONG X 5 IN WIDE AREA OF SECTION LOSS	3	1	1	Feet

BENEATH THE PAINTED SURFACE ABOVE THE BEARING
AT BENT 2. 0.60 IN SECTION REMAINING (PAR).

General Comments

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

15% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 2 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

15% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 2 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT 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	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

20% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

1' OF RUST SCALE ALONG BOTTOM FLANGE, AT BENT 1. - - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

8" X 12" X 6" DELAMINATION, END DIAPHRAGM OUTSIDE BEAM 4, AT BENT 2 - NOT OBSERVED

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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2	1		Each
316	Connection	WELDED BEARING REPAIR WITH ANCHOR ROD.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2	1		Each
316	Connection	WELDED BEARING REPAIR WITH ANCHOR ROD.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2	1		Each
316	Connection	WELDED BEARING REPAIR WITH ANCHOR ROD.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2	1		Each
316	Connection	WELDED BEARING REPAIR WITH ANCHOR ROD.	1			Each

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	1,558	1,182	373	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Exposed Rebar	3 FT LONG X 6 IN HIGH UNSOUND CONCRETE PATCH WITH EXPOSED REINFORCEMENT. 90% SECTION REMAINING IN EXPOSED REINFORCEMENT.	3	3	3	Square Feet
12	Cracking (RC and Other)	7 FT LONG DIAGONAL CRACK WITH EFFLORESCENCE, UNDERSIDE OF DECK, BAY 3 AT BENT 2.	2	7	7	Square Feet
12	Cracking (RC and Other)	SEVEN (7) UP TO 0.03 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN LEFT OVERHANG. SIX (6) SIMILAR CRACKS IN RIGHT OVERHANG.	2	45	45	Square Feet
12	Cracking (RC and Other)	UP TO 0.03 IN WIDE TRANSVERSE AND RANDOM CRACKING IN DECK UNDERSIDE IN ALL BAYS, SCATTERED	2	300	300	Square Feet
12	Patched Areas	32 IN LONG X 1 FT HIGH SOUND CONCRETE PATCHES IN PATCHED AREA, BAY 1 END DIAPHRAGM, AT BENT 2.	2	3		Square Feet
12	Patched Areas	7 FT LONG X 6 IN HIGH SOUND CONCRETE PATCH IN BAY 2 END DIAPHRAGM, AT BENT 2.	2	7		Square Feet
12	Patched Areas	NEW REPAIR: 20 IN HIGH X 1 FT WIDE SOUND CONCRETE PATCH IN EAST OVERHANG AT BENT 2.	2	2		Square Feet
12	Patched Areas	NEW REPAIR: 9 FT LONG X 1 FT HIGH SOUND CONCRETE PATCH IN BAY 3 AT BENT 2.	2	9		Square 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	45	0	5	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	2 FT LONG X 5 IN WIDE AREA OF BOTTOM FLANGE HAS SECTION LOSS BENEATH THE PAINTED SURFACE, LOCATED AT 2 FT FROM BEAM END AT BENT 3. 0.74 IN SECTION REMAINING.	3	2	2	Feet
107	Corrosion	3.3 FT LONG X UP TO 5 IN HIGH AREA OF RIGHT FACE OF THE WEB AT 1.25 FT FROM BEAM END AT BENT 3 EXHIBITS SECTION LOSS BENEATH THE PAINTED SURFACE. UP TO 0.575 IN SECTION REMAINING.	3	3	3	Feet

General Comments

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

30% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

4' OF RUST SCALE ALONG BOTTOM FLANGE, AT BENT 3. - - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 3 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

20% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 3 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

15% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT 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	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

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

35% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

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	48	0	2	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	TWO (2) SPALLS UP TO 8 IN IN DIAMETER X 1 IN DEEP WITH EXPOSED REINFORCEMENT IN BOTTOM OF CURB AT 6 FT AND 10 FT FROM BENT 3 JOINT. NO MEASUREABLE SECTION LOSS IN EXPOSED REINFORCEMENT.	3	2	2	Feet

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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2	1		Each
316	Connection	WELDED REPAIR WITH NEW ANCHOR BOLT.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2	1		Each

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	1,579	970	609	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Abrasion/Wear (PSC/RC)	7 FT LONG X 2 FT LONG AREA OF HONEYCOMBING LOCATED AT MID SPAN.	2	14		Square Feet

12	Cracking (RC and Other)	SIX (6) UP TO 0.03 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN LEFT OVERHANG.	2	30	30	Square Feet
12	Cracking (RC and Other)	UP TO 0.03 IN WIDE TRANSVERSE AND RANDOM CRACKING IN DECK UNDERSIDE IN ALL BAYS, SCATTERED	2	550	550	Square Feet
12	Exposed Rebar	2 IN WIDE X 7 IN LONG X UP TO 2 IN DEEP SPALLS AND HONEYCOMBING WITH EXPOSED REBAR IN BOTTOM OF DIAPHRAGM IN BAY 1 AT BENT 4. NO MEASUREABLE SECTION LOSS IN EXPOSED REINFORCEMENT.	2	3	3	Square Feet
12	Patched Areas	2.5 FT LONG X 6 IN HIGH SOUND CONCRETE PATCH WITH HAIRLINE VERTICAL CRACKS IN BAY 1 ABOVE BENT 3.	2	3		Square Feet
12	Patched Areas	4 FT LONG X 6 IN HIGH SOUND CONCRETE PATCH WITH HAIRLINE VERTICAL CRACKS IN BAY 2 AT BENT 3.	2	4		Square Feet
12	Patched Areas	5 FT LONG X 11 IN HIGH SOUND CONCRETE PATCH IN BAY 1 END DIAPHRAGM, NEXT TO BEAM 1, AT BENT 4.	2	5		Square 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	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

20% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 4 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 4 — Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

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	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

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	48	0	2	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	1.5 FT LONG X 9 IN HIGH X UP TP 1.5 IN DEEP SPALL IN EXTERIOR FACE OF RAIL, LOCATED AT MID SPAN.	3	2	2	Feet

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	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 REMAINS BENEATH THE	2	1		Each

PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.

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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2	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	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2	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	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2	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	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN	2	1		Each

BOTH MASONRY AND SOLE PLATES.

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	1,579	1,025	554	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Abrasion/Wear (PSC/RC)	6 FT LONG X 3 FT WIDE X UP TO 3/4 IN DEEP AREA OF HONEYCOMBING IN BAY 3 NEAR BENT 5.	2	18		Square Feet
12	Cracking (RC and Other)	SEVEN (7) UP TO 0.03 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN LEFT OVERHANG. TWELVE (12) SIMILAR CRACKS IN RIGHT OVERHANG.	2	75	75	Square Feet
12	Cracking (RC and Other)	UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE IN ALL BAYS, SCATTERED THROUGHOUT.	2	450	450	Square Feet
12	Patched Areas	3 FT LONG X 11 IN HIGH SOUND CONCRETE PATCH, BAY 2 END DIAPHRAGM, NEXT TO BEAM 2, AT BENT 4.	2	3		Square Feet
12	Patched Areas	NEW REPAIR: 8 FT LONG X 6 IN HIGH SOUND CONCRETE PATCH IN BAY 2 END DIAPHRAGM, AT BENT 5.	2	8		Square Feet

General Comments

Span 5 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

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	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT 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	49	0	1	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	6 IN DIAMETER X 1 IN DEEP SPALL WITH EXPOSED PAINTED REBAR IN BOTTOM OF CURB AT 10 FT FROM BENT 6 JOINT.	3	1	1	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2	1		Each

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	1,579	1,421	158	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	EIGHT (8) UP TO 0.03 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN LEFT OVERHANG. RIGHT OVERHANG TYPICAL.	2	50	50	Square Feet
12	Delamination/Spall	THREE (3) AREAS OF DELAMINATED CONCRETE UP TO 6 IN DIAMETER IN EAST OVERHANG AT BENT 6.	2	3	3	Square Feet
12	Efflorescence/Rust Staining	SIX (6) 8 FT LONG X HAIRLINE TRANSVERSE CRACKS WITH EFFLORESCENCE, UNDERSIDE OF DECK, AT RANDOM THROUGHOUT BAY 1. SIMILAR IN BAY 3.	2	90		Square Feet
12	Exposed Rebar	12 IN WIDE X 9 IN LONG X 14 IN HIGH IN SOUTH FACE SPALL UP TO 3.5 IN DEEP WITH EXPOSED REINFORCEMENT IN BAY 2 AT BENT 6. NO MEASUREABLE SECTION LOSS IN EXPOSED REINFORECEMENT.	2	1	1	Square Feet
12	Exposed Rebar	2.5 FT WIDE X 10 IN LONG X UP TO 6 IN HIGH AREA OF UNSOUND CONCRETE AND SPALL UP TO 2 IN DEEP WITH EXPOSED REINFORCEMENT IN BAY 3 END DIAPHRAGM AT BENT 7. NO MEASUREABLE SECTION LOSS IN EXPOSED REINFORCEMENT.	2	3	3	Square Feet
12	Patched Areas	30 IN LONG X 6 IN HIGH SOUND CONCRETE PATCH IN BAY 1 END DIAPHRAGM, AT BENT 6.	2	3		Square Feet
12	Patched Areas	NEW REPAIR: 12 IN DIAMETER SOUND CONCRETE PATCH AT 2ND DRAIN PIPE IN EAST OVERHANG.	2	1		Square Feet
12	Patched Areas	NEW REPAIR: 12 IN DIAMETER SOUND CONCRETE PATCH IN EAST OVERHANG AT DRAIN ONE.	2	1		Square Feet
12	Patched Areas	NEW REPAIR: 18 IN DIAMETERE SOUND CONCRETE PATCH IN EAST OVERHANG BETWEEN 5TH AND 6TH DECK DRAINS.	2	1		Square Feet
12	Patched Areas	NEW REPAIR: 2 FT HIGH X 1 FT WIDE SOUND CONCRETE PATCH IN END DIAPHRAGM OUTSIDE BEAM 1 AT BEAM 6.	2	2		Square Feet
12	Patched Areas	NEW REPAIR: 28 IN LONG X 1 FT HIGH SOUND CONCRETE PATCH IN BAY 2 END DIAPHRAGM, AT BENT 5. PATCH EXHIBITS HAIRLINE VERTICAL CRACKING, SCATTERED.	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	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

1' OF RUST SCALE ALONG BOTTOM FLANGE AT BENT 6. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION.

Span 6 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 6 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	49	0	1	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	UP TO 11 IN HIGH X 10 IN LONG AREA OF SECTION LOSS IN THE WEB BENEATH THE PAINTED SURFACE AT BEAM END AT BENT 6. 0.575 IN SECTION REMAINING.	3	1	1 Feet

General Comments

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

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT 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	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

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

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT 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	30	0	20	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	MODERATE TO HEAVY IMPACT DAMAGE WITH UP TO 5 IN DEFLECTION TOWARDS WEST TO THE SUPPLEMENTAL BRIDGE RAIL FOR 20 FT LONG STARTING AT BENT 6. TWO (2) SPACER BLOCKS CONNECTING THE GUARDRAIL TO POSTS ARE PARTIALLY CRUSHED.	3	20	20	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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	2	1		Each

		INSPECTION. SECTION LOSS REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.		
316	Connection	BEARING ASSEMBLY HAS WELDED REPAIR WITH NEW ANCHOR BOLT.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2	1		Each
316	Connection	BEARING ASSEMBLY HAS WELDED REPAIR WITH NEW ANCHOR BOLT.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2	1		Each
316	Connection	BEARING ASSEMBLY HAS WELDED REPAIR WITH NEW ANCHOR BOLT.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2	1		Each
316	Connection	BEARING ASSEMBLY HAS WELDED REPAIR WITH NEW ANCHOR BOLT.	1			Each

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	1,579	1,110	463	6	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

12	Delamination/Spall	3 FT X 2 FT AREA OF DELAMINATION, UNDERSIDE OF WEST OVERHANG, AT MID SPAN.	3	6	6	Square Feet
12	Cracking (RC and Other)	EIGHT (8) UP TO 0.03 IN WIDE X UP TO 3 FT LONG TRANSVERSE CRACKS IN LEFT OVERHANG. RIGHT OVERHANG TYPICAL.	2	55	55	Square Feet
12	Cracking (RC and Other)	UP TO 0.02 IN WIDE RANDOM CRACKING IN DECK UNDERSIDE IN ALL BAYS, SCATTERED THROUGHOUT.	2	300	300	Square Feet
12	Exposed Rebar	24 IN LONG X 2 FT WIDE X 2 IN DEEP DELAMINATION/SPALL WITH EXPOSED REINFORCING, UNDERSIDE OF EAST OVERHANG AT 2/3 POINT. NO MEASUREABLE SECTION LOSS IN EXPOSED REINFORCEMENT.	2	4	4	Square Feet
12	Patched Areas	20 IN WIDE X 18 IN HIGH SOUND CONCRETE PATCHED AREA, BAY 1 END DIAPHRAGM, OVER BENT 7, NEXT TO BEAM 2.	2	4		Square Feet
12	Patched Areas	7 FT LONG X 1 FT HIGH SOUND CONCRETE PATCH IN INTERMEDIATE DIAPHRAGM IN BAY 3 AT BENT 7.	2	7		Square Feet
12	Patched Areas	75 SQ FT OF PATCHED AREA, UNDERSIDE OF DECK, AT RANDOM THROUGHOUT ALL BAYS.	2	75		Square Feet
12	Patched Areas	8 FT LONG X 6 IN HIGH SOUND CONCRETE PATCHED AREA IN BAY 2 END DIAPHRAGM, AT BENT 6.	2	8		Square Feet
12	Patched Areas	NEW REPAIR: 18 IN DIAMETER SOUND CONCRETE PATCH IN EAST OVERHANG AT THIRD DRAIN PIPE.	2	2		Square Feet
12	Patched Areas	NEW REPAIR: 2 FT HIGH X 1 FT WIDE SOUND CONCRETE PATCH IN DIAPHRAGM OUTSIDE BEAM 4 AT BENT 7.	2	2		Square Feet
12	Patched Areas	NEW REPAIR: 6 FT LONG X 12 IN HIGH SOUND CONCRETE PATCH BOTTOM OF BAY 3 END DIAPHRAGM, NEXT TO BEAM 3, AT BENT 6. PATCH EXHIBITS UP TO 0.03 IN WIDE VERTICAL CRACKS, SCATTERED.	2	6		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	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 7 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 7 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

25% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT 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	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

15% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

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	35	15	0	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	Patched Area	15 FT LONG SECTION OF CONCRETE RAIL HAS BEEN REPLACED, AT MIDSPAN.	2	15		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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 80% SECTION REMAINING IN	2	1		Each

BOTH MASONRY AND SOLE PLATES.

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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2	1		Each

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	1,587	1,584	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Patched Areas	3 FT LONG X 10 IN HIGH SOUND CONCRETE PATCHED AREA BOTTOM OF BAY 2 END DIAPHRAGM, AT BENT 7.	2	3		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	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 8 — Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

20% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 8 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

15% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT 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	50	0	0	0	Feet
515	Steel Protective Coating	459	459	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

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

20% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT 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	50	1	0	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	8 IN WIDE X 8 IN HIGH X UP TO 3 IN DEEP SPALL WITH EXPOSED REINFORCEMENT IN TOP OF RAIL AT FIRST RAIL JOINT FROM END BENT 2. 90% SECTION REMAINING IN EXPOSED REINFORCEMENT.	2	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	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	Corrosion	BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	3	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN	2	1		Each

BOTH MASONRY AND SOLE PLATES.

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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	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 REMAINS BENEATH THE PAINTED SURFACES. UP TO 90% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.	2	1		Each

General Comments

Bent 1 — 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	Damage	HEAVY VEGETATION GROWTH ON EAST FACE OF PILE.	3	1	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	0	33	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Cracking (RC and Other)	UP TO 0.03 IN WIDE RANDOM CRACKING IN BACKWALL FOR FULL LENGTH.	2	33		Feet

General Comments

Bent 2 — 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	Delamination/Spall	18 IN WIDE X 22 IN HIGH AREA OF DELAMINATION, TOP OF NORTH FACE.	3	1	2	Each

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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
229	Scour	Underwater Inspection 9/13/17: 1ft. of scour post hurricane Matthew.	2	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.
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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
229	Scour	Underwater Inspection 9/13/17: 1ft. of scour post hurricane Matthew.	2	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.
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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
229	Scour	Underwater Inspection 9/13/17: 1ft. of scour post hurricane Matthew.	2	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.
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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
229	Scour	Underwater Inspection 9/13/17: 1ft. of scour post hurricane Matthew.	2	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.
Steel piles not visible.

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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
229	Scour	Underwater Inspection 9/13/17: 1ft. of scour post hurricane Matthew.	2	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.
Steel piles not visible.

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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
229	Scour	Underwater Inspection 9/13/17: 1ft. of scour post hurricane Matthew.	2	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.
Steel piles not visible.

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	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
229	Delamination/Spall	4 FT HIGH X 4 IN WIDE SPALL WITH EXPOSED REINFORCEMENT IN EAST FACE. 90% SECTION REMAINING IN EXPOSED REINFORCEMENT (PAR).	3	1	1	Each
229	Cracking	5 FT HIGH X UP TO 6 IN WIDE CONCRETE PATCH WITH HAIRLINE VERTICAL CRACKS IN EAST FACE, LOCATED AT 4 FT BELOW THE CAP.	2			Each
229	Scour	Underwater Inspection 9/13/17: 1ft. of scour post hurricane Matthew.	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.
Steel piles not visible.

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	31	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	30 IN LONG X 1/16 IN WIDE HORIZONTAL CRACK, CENTER OF WEST END.	3	1	1	Feet

General Comments

2' HORIZONTAL CRACK UP TO 1/16" TOP OF NORTH FACE, BELOW BEAM 4. - REPAIRED BY NEW SEALING ON

TOP OF CAP
2' X 9" DELAMINATION, TOP OF NORTH FACE, BELOW BEAM 3. - NOT OBSERVED

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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
229	Cracking	5 FT LONG X 0.02 IN WIDE VERTICAL CRACK, SOUTH FACE BEGINNING AT CAP.	2	1		Each
229	Scour	Underwater Inspection 9/13/17: 2ft. of scour post hurricane Matthew.	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.
Steel piles not visible.

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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
229	Cracking	1 FT LONG VERTICAL HAIRLINE CRACK, SOUTH FACE, BEGINNING AT CAP.	2	1		Each
229	Scour	Underwater Inspection 9/13/17: 2ft. of scour post hurricane Matthew.	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.
Steel piles not visible.

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	1	0	0	Each

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

229	Scour	Underwater Inspection 9/13/17: 2ft. of scour with 1ft. of exposed steel pile post hurricane Matthew.	2	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 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: 4ft. of scour with 1ft. of exposed steel pile post hurricane Matthew. (PRIORITY MAINTENANCE ISSUED)	4	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 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: 4ft. of scour with 1ft. of exposed steel pile post hurricane Matthew. (PRIORITY MAINTENANCE ISSUED)	4	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 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: 4ft. of scour with 1ft. of exposed steel pile post hurricane Matthew. (PRIORITY MAINTENANCE ISSUED)	4	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 5 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	32	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

24" X 16" DELAMINATION, TOP OF SOUTH FACE, BELOW BEAM 3. - REPAIRED SINCE PREVIOUS INSPECTION BY TOP SEALANT.
7' X 1" X 1" DELAMINATION/SPALL ALONG BOTTOM NORTH CORNER, FROM PILE 3 TO PILE 4. - NOT OBSERVED

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	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
229	Deterioration (Other)	ABRASION WITH COARSE AGGREGATE EXPOSED 1/16 IN TO 1/4 IN LOSS OF FACIAL CONCRETE.	3	1	1	Each
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2			Each
229	Scour	Underwater Inspection 9/13/17: 2ft. of scour with 3ft. of exposed steel pile post hurricane Matthew.	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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
229	Corrosion	Underwater Inspection 9/13/17: Random rust blisters on flange edges of exposed steel pile.	2			Each
229	Scour	Underwater Inspection 9/13/17: 2ft. of scour with 1ft. of exposed steel pile post hurricane Matthew.	2	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 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: 6ft. of scour with 3ft. of exposed steel pile post hurricane Matthew. (PRIORITY MAINTENANCE ISSUED)	4	1	6	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 4ft. of exposed steel pile post hurricane Matthew. (PRIORITY 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 5ft. of exposed steel pile post hurricane Matthew. (PRIORITY 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 5ft. of exposed steel pile post hurricane Matthew. (PRIORITY 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. (PRIORITY MAINTENANCE ISSUED)	4	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 6 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	30	2	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Patched Area	2 FT LONG X 17 IN HIGH PATCHED AREA, TOP OF SOUTH FACE, BELOW BEAM 3.	2	2		Feet

General Comments

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	0	1	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. (PRIORITY MAINTENANCE ISSUED)	4	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 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	0	1	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. (PRIORITY MAINTENANCE ISSUED)	4	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 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	0	1	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. (PRIORITY MAINTENANCE ISSUED)	4	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 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: 4ft. of scour post hurricane Matthew. (PRIORITY MAINTENANCE ISSUED)	4	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 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: 4ft. of scour post hurricane Matthew. (PRIORITY MAINTENANCE ISSUED)	4	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 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: 4ft. of scour post hurricane Matthew. (PRIORITY MAINTENANCE ISSUED)	4	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 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: 4ft. of scour post hurricane Matthew. (PRIORITY MAINTENANCE ISSUED)	4	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 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	32	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

3' HORIZONTAL CRACK UP TO 1/16", TOP OF SOUTH FACE, BELOW BEAM 3. - REPAIRED WITH NEW SEALANT

3' HORIZONTAL CRACK UP TO 1/32", WITH A 48" X 4" DELAMINATION, TOP OF SOUTH FACE, BELOW BEAM 2. - REPAIRED WITH NEW SEALANT

38" HORIZONTAL CRACK UP TO 1/16" WITH A 40" X 12" X 6" DELAMINATION, TOP OF SOUTH FACE, BELOW BEAM 3. - REPAIRED WITH NEW SEALANT

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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
229	Damage	NEW REPAIR 8 FT HIGH X 1 FT WIDE SOUND CONCRETE PATCH IN WEST FACE.	2	1	1	Each

General Comments

1' OF HAIRLINE MAP CRACKING, NORTH FACE. - NOT OBSERVED

Bent 7 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	Delamination/Spall	5 FT HIGH X 2 FT WIDE AREA OF UNSOUND CONCRETE IN NORTH FACE, STARTING AT CAP.	3	1	1	Each
229	Cracking	1 FT WIDE X 1 FT HIGH AREA OF HAIRLINE MAP CRACKING, NORTH AND SOUTH FACE.	2			Each

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1587
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	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1416
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1579
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	Standard Joint	Pourable Joint Seal	28
Span 2	Near 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	Far 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	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	1558
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	Standard Joint	Pourable Joint Seal	28
Span 3	Near 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	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Far 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 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1579
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	Standard Joint	Pourable Joint Seal	28
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 5	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1579
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	Standard Joint	Pourable Joint Seal	28
Span 5	Near 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	Far 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	Near Bearing	Other Bearing	Other Bearings	1
Span 5	Far Bearing	Other Bearing	Other Bearings	1
Span 6	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1579
Span 6	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 6	Beam 2	Plate Girder	Steel Open Girder/Beam	50
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	Standard Joint	Pourable Joint Seal	28
Span 6	Near Bearing	Other Bearing	Other Bearings	1
Span 6	Far Bearing	Other Bearing	Other Bearings	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 6	Near 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	Far 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	1579
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	Standard Joint	Pourable Joint Seal	28
Span 7	Near 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	Far 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	Near Bearing	Other Bearing	Other Bearings	1
Span 7	Far Bearing	Other Bearing	Other Bearings	1
Span 8	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1587
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	Standard Joint	Pourable Joint Seal	28
Span 8	Expansion Joint	Standard Joint	Pourable Joint Seal	28
Span 8	Near 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
Span 8	Near 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

Elements Verfied

Location	Name	Component	Element Name	Amount
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
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

Elements Verfied

Location	Name	Component	Element Name	Amount
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 5 Cap 1

24" X 16" DELAMINATION, TOP OF SOUTH FACE, BELOW BEAM 3. - REPAIRED SINCE PREVIOUS INSPECTION BY TOP SEALANT.
7' X 1" X 1" DELAMINATION/SPALL ALONG BOTTOM NORTH CORNER, FROM PILE 3 TO PILE 4. - NOT OBSERVED

Bent 7 Cap 1

3' HORIZONTAL CRACK UP TO 1/16", TOP OF SOUTH FACE, BELOW BEAM 3. - REPAIRED WITH NEW SEALANT

3' HORIZONTAL CRACK UP TO 1/32", WITH A 48" X 4" DELAMINATION, TOP OF SOUTH FACE, BELOW BEAM 2. - REPAIRED WITH NEW SEALANT

38" HORIZONTAL CRACK UP TO 1/16" WITH A 40" X 12" X 6" DELAMINATION, TOP OF SOUTH FACE, BELOW BEAM 3. - REPAIRED WITH NEW SEALANT

Span 1 Beam 1

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

20% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 1 Beam 2

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 1 Beam 3

2' OF RUST SCALE ALONG BOTTOM FLANGE, AT BENT 1. - - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 2 Beam 2

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

15% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 2 Beam 3

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

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 2 Beam 4

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

20% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

General Inspection Notes

1' OF RUST SCALE ALONG BOTTOM FLANGE, AT BENT 1. - - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

8" X 12" X 6" DELAMINATION, END DIAPHRAGM OUTSIDE BEAM 4, AT BENT 2 - NOT OBSERVED

Span 3 Beam 2

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

20% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 3 Beam 3

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

15% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 3 Beam 4

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

35% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 4 Beam 1

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

20% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 4 Beam 2

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

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 4 Beam 3

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

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 4 Beam 4

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

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW

General Inspection Notes

PAINT SINCE PREVIOUS INSPECTION

Span 5 Beam 2

Span 5 Beam 4

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 6 Beam 1

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

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

1' OF RUST SCALE ALONG BOTTOM FLANGE AT BENT 6. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION.

Span 6 Beam 2

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

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 6 Beam 4

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

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 7 Beam 1

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

5% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 7 Beam 2

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

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 7 Beam 3

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

25% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW

General Inspection Notes

PAINT SINCE PREVIOUS INSPECTION

Span 7 Beam 4

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

15% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 8 Beam 1

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

10% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 8 Beam 2

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

20% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 8 Beam 3

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

15% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

Span 8 Beam 4

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

20% OF SURFACE AREA HAS PAINT PEELING THROUGHOUT WEB AND FLANGES. - NOT OBSERVED, NEW PAINT SINCE PREVIOUS INSPECTION

National Bridge and NC Inspection Items

Structure Number: 500101 **Inspection Date:** 06/26/2019

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**5**
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**	**804**	**3332**
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	**F**	**1000**	**3352**
Scour	G, F, P, or C	**P**		
Wingwall	G, F, P, or C	**F**	**60**	**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 Insepction Item is not present, leave NC SMU item blank

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	**N**
Priority Maintenance Request Submitted	YES/NO	**Y**
Inspection Time	Hours	**10**
Traffic Control Time	Hours	**7**
Snooper Time	Hours	**4**
Ladder Used	YES/NO	**N**
Bucket Truck Used	YES/NO	**N**
Boat Used	YES/NO	**N**
Other Equipment Used	YES/NO	**N**

National Bridge and NC SMU Inspection Item Details

Structure Number: 500101 **Inspection Date:** 06/26/2019

Item	Deck - Item 58	**Grade**	5	**Maint Code**		**Qty.**	0
Details	NEW LMC OVERLAY						

Item	Superstructure - Item 59	**Grade**	6	**Maint Code**		**Qty.**	0
Details	NEW PAINT TO THE BEAMS AND BEARINGS SINCE PREVIOUS INSPECTION.						

Item	Substructure - Item 60	**Grade**	4	**Maint Code**		**Qty.**	0
Details	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 AT BENT 3 PILES AND SCOUR WITH EXPOSED STEEL PILES AT BENTS 4, 5, AND 6. NEW EPOXY SEALING ON TOP OF END BENTS AND BENT CAPS.						

Item	Channel and Channel Protection - Item 61	**Grade**	4	**Maint Code**		**Qty.**	0
Details	POST HURRICANE MATTHEW UNDERWATER INSPECTION REPORT DATED 9/13/2017 RATES 4 DUE TO CHANNEL CONTRACTION SCOUR. SOUNDINGS INDICATE UP TO 5 FT OF AGGRADATION IN THE CHANNEL AT UPSTREAM OF BENT 5.						

Item	Drainage System	**Grade**	F	**Maint Code**	3332	**Qty.**	804
Details	ONE BROKEN DRAIN PIPE AND THREE (3) PARTIALLY BROKEN DRAIN PIPES IN SPAN 1 RIGHT OVERHANG. ONE DRAIN BROKEN OFF AND TWO (2) PARTIALLY BROKEN DRAIN PIPES IN SPAN 6, LEFT OVERHANG.						

Item	Slope Protection	**Grade**	F	**Maint Code**	3352	**Qty.**	1000
Details	20 FT WIDE X 50 FT LONG X UP TO 5 FT HIGH AREA OF EROSION IN THE SLOPE UNDER SPAN 7. UP TO 2 FT OF EROSION ALONG THE PILES AT BENT 1.						

Item	Scour	**Grade**	P	**Maint Code**		**Qty.**	0
Details	POST HURRICANE MATTHEW UNDERWATER INSPECTION REPORT DATED 9/13/2017 INDICATES SCOUR AT BENT 3 PILES AND SCOUR WITH EXPOSED STEEL PILES AT BENTS 4, 5, AND 6.						

Item	Wingwalls	**Grade**	F	**Maint Code**	3350	**Qty.**	60
Details	HEAVY VEGETATION ON SOUTHEAST, NORTHEAST, 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 EVALUATION AS " P AS PER REFERENCE TO THE PILE TIP ELEVATION DATA SHEET."						

Item	General Comments and Misc Items	**Grade**		**Maint Code**		**Qty.**	0
Details	GUARDRAIL IS CONTINUOUS AT NORTHEAST, NORTHWEST, AND SOUTHEAST CORNERS UP TO 0.03 IN WIDE X 12 FT LONG LONGITUDINAL CRACK IN NORTH APPROACH LOCATED IN RIGHT TRAVEL LANE TO THE RIGHT OF CENTERLINE. DOWNSTREAM READINGS FROM 2018 WERE USED IN INSPECTIONS STREAMBED PROFILE SINCE READINGS COULD NOT BE OBTAINED DUE TO ACCESS.						

Span 1 Deck: UP TO 1 FT WIDE X 9 IN LONG X UP TO 1 IN DEEP SPALL WITH EXPOSED REINFORCEMENT IN RIGHT OVERHANG, LOCATED AT THIRD DRAIN PIPE. 80% SECTION REMAINING IN EXPOSED REINFORCEMENT.

ONE BROKEN DRAIN PIPE AND THREE (3) PARTIALLY BROKEN DRAIN PIPES IN SPAN 1 RIGHT OVERHANG.

Span 1 Deck: 5 FT WIDE X 1 FT HIGH SOUND CONCRETE PATCH IN BAY 3 END DIAPHRAGM, AT BENT 1. PATCH EXHIBITS A HAIRLINE X 1 FT LONG CRACK IN BOTTOM RIGHT CORNER.

Span 1 Beam 4: 5 IN LONG X 5 IN WIDE AREA OF HEAVY SURFACE CORROSION BENEATH THE PAINTED SURFACES IN BOTTOM FLANGE OF LEFT FLANGE ABOVE BEARING AT BENT 1. UP TO 0.8 IN SECTION REMAINING.

Span 1 Beam 4 Far Bearing: SECTION LOSS IN THE RIGHT ANCHOR BOLT. 75% SECTION REMAINING.

NEW EPOXY SEAL ON TOP OF BENT 1 CAP. TYPICAL ON TOP OF ALL BENTS AND BOTH END BENTS.

Span 1 Deck: 4 FT LONG X 8 IN HIGH SOUND CONCRETE PATCH IN BAY 2 END DIAPHRAGM, AT BENT 1.

Span 1 Left Bridge Rail: 15 FT LONG AREA OF SOUND CONCRETE PATCHING TO CONCRETE RAIL, BEGINNING AT 15 FT FROM END BENT 1. PREVIOUS REPAIR.

Span 2 Deck: 82 IN WIDE X 1 FT HIGH SOUND CONCRETE PATCH AREA, BAY 2 END DIAPHRAGM, AT BENT 1.

Span 2 Deck: UP TO 1.5 FT WIDE X 4 IN LONG X UP TO 2 IN DEEP SPALL IN DIAPHRAGM IN BAY 3 AT BENT 1.

Span 2 Beam 3 Far Bearing: WELDED BEARING REPAIR WITH ANCHOR ROD. TYPICAL AT BEAMS 1, 2, AND 4.

Span 2 Deck: 9 FT LONG X 1 FT HIGH CONCRETE PATCH, BAY 2 END DIAPHRAGM, AT BENT 2. PATCH EXHIBITS UP TO 1/8 IN WIDE X 5 FT LONG CRACK IN THE BOTTOM FACE WITH A 5 FT LONG X 5 IN WIDE UNSOUND CONCRETE AND UP TO 0.02 IN WIDE VERTICAL CRACKS IN FRONT FACE, SCATTERED.

NEW REPAIR TO SPAN 2 BEAM 1 BEAM END IN BOTH FACES OF THE WEB ABOVE BENT 2.

Span 2 Beam 1: 10 IN LONG X 5 IN WIDE AREA OF SECTION LOSS BENEATH THE PAINTED SURFACE ABOVE THE BEARING AT BENT 2. 0.60 IN SECTION REMAINING (PAR).

Span 3 Deck: 3 FT LONG X 6 IN HIGH UNSOUND CONCRETE PATCH WITH EXPOSED REINFORCEMENT. 90% SECTION REMAINING IN EXPOSED REINFORCEMENT.

Span 3 Deck: 32 IN LONG X 1 FT HIGH SOUND CONCRETE PATCHES IN PATCHED AREA, BAY 1 END DIAPHRAGM, AT BENT 2.

Span 3 Deck: 7 FT LONG X 6 IN HIGH SOUND CONCRETE PATCH IN BAY 2 END DIAPHRAGM, AT BENT 2.

Span 2 Deck: 9 FT LONG X 1 FT HIGH SOUND CONCRETE PATCH, BAY 2 END DIAPHRAGM, AT BENT 2. PATCH EXHIBITS UP TO 1/8 IN WIDE X 5 FT LONG CRACK IN THE BOTTOM FACE WITH A 5 FT LONG X 5 IN WIDE UNSOUND CONCRETE AND UP TO 0.02 IN WIDE VERTICAL CRACKS IN FRON FACE, SCATTERED.

Span 3 Deck: NEW REPAIR: 9 FT LONG X 1 FT HIGH SOUND CONCRETE PATCH IN BAY 3 AT BENT 2.

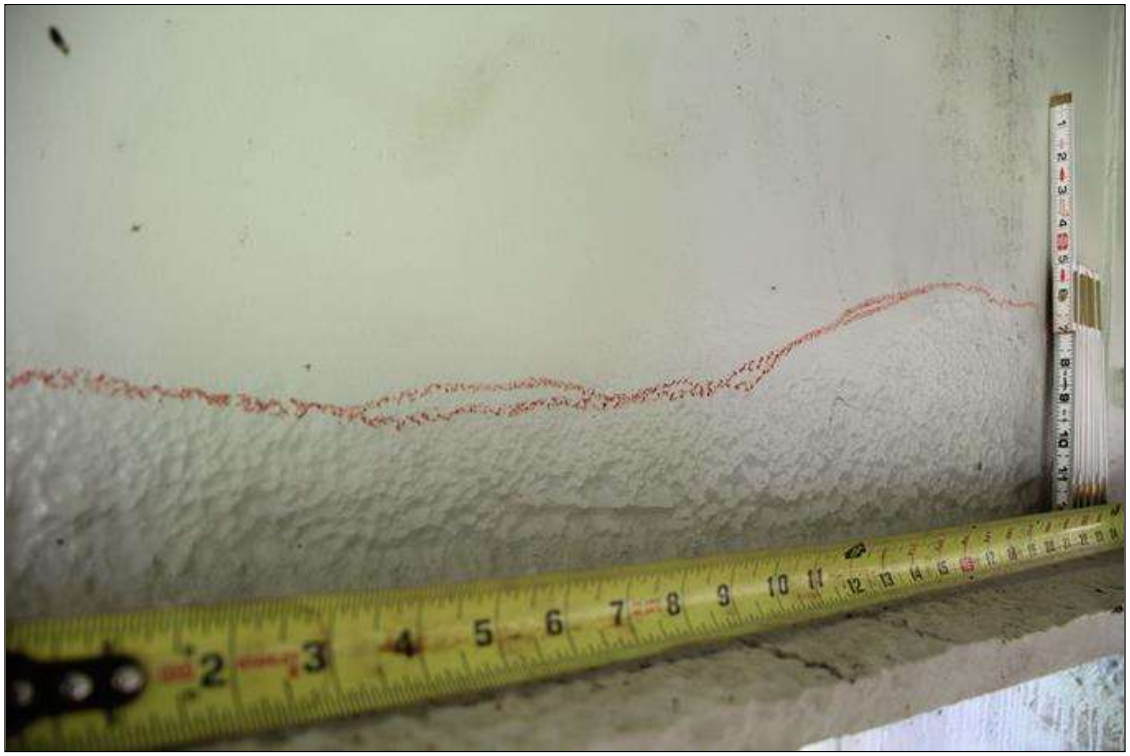
Span 2 Deck: NEW REPAIR: 3 FT WIDE X 1 FT HIGH SOUND CONCRETE PATCH IN OVERHANG IN EAST FACE AT BENT 2 AND A 1 FT WIDE X 2 FT HIGH SOUND CONCRETE PATCH IN DIAPHRAGM OUTSIDE OF BEAM 4 AT BENT 2.

Bent 3 Pile 7: 5 FT HIGH X UP TO 6 IN WIDE CONCRETE PATCH WITH HAIRLINE VERTICAL CRACKS IN EAST FACE, LOCATED AT 4 FT BELOW THE CAP.

Bent 3 Pile 7: 4 FT HIGH X 4 IN WIDE SPALL WITH EXPOSED REINFORCEMENT IN EAST FACE. 90% SECTION REMAINING IN EXPOSED REINFORCEMENT (PAR).

Span 3 Deck: UP TO 0.03 IN WIDE TRANSVERSE AND RANDOM CRACKING IN DECK UNDERSIDE IN ALL BAYS, SCATTERED THROUGHOUT. BAY 3 SHOWN IN PHOTO.

Span 3 Beam 1: 2 FT LONG X 5 IN WIDE AREA OF BOTTOM FLANGE HAS SECTION LOSS BENEATH THE PAINTED SURFACE, LOCATED AT 2 FT FROM BEAM END AT BENT 3. 0.74 IN SECTION REMAINING.



Span 3 Beam 1: 3.3 FT LONG X UP TO 5 IN HIGH AREA OF RIGHT FACE OF THE WEB AT 1.25 FT FROM BEAM END AT BENT 3 EXHIBITS SECTION LOSS BENEATH THE PAINTED SURFACE. UP TO 0.575 IN SECTION REMAINING.

Span 4 Deck: 2.5 FT LONG X 6 IN HIGH SOUND CONCRETE PATCH WITH HAIRLINE VERTICAL CRACKS IN BAY 1 ABOVE BENT 3.

Span 4 Deck: 4 FT LONG X 6 IN HIGH SOUND CONCRETE PATCH WITH HAIRLINE VERTICAL CRACKS IN BAY 2 AT BENT 3.

Bent 4 Pile 1: 5 FT LONG X 0.02 IN WIDE VERTICAL CRACK, SOUTH FACE BEGINNING AT CAP.

Span 4 Right Bridge Rail: 1.5 FT LONG X 9 IN HIGH X UP TP 1.5 IN DEEP SPALL IN EXTERIOR FACE OF RAIL, LOCATED AT MID SPAN.

Span 4 Deck: 7 FT LONG X 2 FT LONG AREA OF HONEYCOMBING LOCATED AT MID SPAN.

Span 4 Deck: 2 IN WIDE X 7 IN LONG X UP TO 2 IN DEEP SPALLS AND HONEYCOMBING WITH EXPOSED REBAR IN BOTTOM OF DIAPHRAGM IN BAY 1 AT BENT 4. NO MEASUREABLE SECTION LOSS IN EXPOSED REINFORCEMENT.

Span 5 Deck: 6 FT LONG X 3 FT WIDE X UP TO 3/4 IN DEEP AREA OF HONEYCOMBING IN BAY 3 NEAR BENT 5.

Span 5 Deck: NEW REPAIR: 8 FT LONG X 6 IN HIGH SOUND CONCRETE PATCH IN BAY 2 END DIAPHRAGM, AT BENT 5.

Bent 5 Pile 1: ABRASION WITH COARSE AGGREGATE EXPOSED 1/16 IN TO 1/4 IN LOSS OF FACIAL CONCRETE.

Span 6 Deck: NEW REPAIR: 28 IN LONG X 1 FT HIGH SOUND CONCRETE PATCH IN BAY 2 END DIAPHRAGM, AT BENT 5. PATCH EXHIBITS HAIRLINE VERTICAL CRACKING, SCATTERED.

Span 6 Deck: NEW REPAIR: 12 IN DIAMETER SOUND CONCRETE PATCH IN EAST OVERHANG AT DRAIN ONE.

Span 6 Deck: NEW REPAIR: 18 IN DIAMETERE SOUND CONCRETE PATCH IN EAST OVERHANG BETWEEN 5TH AND 6TH DECK DRAINS.

Span 6 Deck: 2.5 FT WIDE X 10 IN LONG X UP TO 6 IN HIGH AREA OF UNSOUND CONCRETE AND SPALL UP TO 2 IN DEEP WITH EXPOSED REINFORCEMENT IN BAY 3 END DIAPHRAGM AT BENT 7. NO MEASUREABLE SECTION LOSS IN EXPOSED REINFORCEMENT.

Bent 6 Cap 1: 2 FT LONG X 17 IN HIGH PATCHED AREA, TOP OF SOUTH FACE, BELOW BEAM 3.

Span 6 Deck: 12 IN WIDE X 9 IN LONG X 14 IN HIGH IN SOUTH FACE SPALL UP TO 3.5 IN DEEP WITH EXPOSED REINFORCEMENT IN BAY 2 AT BENT 6. NO MEASUREABLE SECTION LOSS IN EXPOSED REINFORECEMENT.

Span 6 Beam 3: UP TO 11 IN HIGH X 10 IN LONG AREA OF SECTION LOSS IN THE WEB BENEATH THE PAINTED SURFACE AT BEAM END AT BENT 6. 0.575 IN SECTION REMAINING.

DECK DRAINS ALONG LEFT BRIDGE RAIL IN SPAN 6. ONE DRAIN BROKEN OFF AND TWO (2) PARTIALLY BROKEN.

Span 6 Deck: NEW REPAIR: 2 FT HIGH X 1 FT WIDE SOUND CONCRETE PATCH IN END DIAPHRAGM OUTSIDE BEAM 1 AT BEAM 6.

Span 7 Deck: 75 SQ FT OF PATCHED AREA, UNDERSIDE OF DECK, AT RANDOM THROUGHOUT ALL BAYS. PHOTO SHOWS BAYS 1 AND 2.

Span 7 Deck: NEW REPAIR: 6 FT LONG X 12 IN HIGH SOUND CONCRETE PATCH BOTTOM OF BAY 3 END DIAPHRAGM, NEXT TO BEAM 3, AT BENT 6. PATCH EXHIBITS UP TO 0.03 IN WIDE VERTICAL CRACKS, SCATTERED.

Span 7 Deck: NEW REPAIR: 18 IN DIAMETER SOUND CONCRETE PATCH IN EAST OVERHANG AT THIRD DRAIN PIPE.

Span 7 Deck: 24 IN LONG X 2 FT WIDE X 2 IN DEEP DELAMINATION/SPALL WITH EXPOSED REINFORCING, UNDERSIDE OF EAST OVERHANG AT 2/3 POINT. NO MEASUREABLE SECTION LOSS IN EXPOSED REINFORCEMENT.

Span 7 Deck: 7 FT LONG X 1 FT HIGH SOUND CONCRETE PATCH IN INTERMEDIATE DIAPHRAGM IN BAY 3 AT BENT 7.

Span 7 Deck: NEW REPAIR: 2 FT HIGH X 1 FT WIDE SOUND CONCRETE PATCH IN DIAPHRAGM OUTSIDE BEAM 4 AT BENT 7.

Span 7 Deck: 7 FT LONG X 1 FT HIGH SOUND CONCRETE PATCH IN INTERMEDIATE DIAPHRAGM IN BAY 3 AT BENT 7.

20 FT WIDE X 50 FT LONG X UP TO 5 FT HIGH AREA OF EROSION IN THE SLOPE UNDER SPAN 7.

Span 7 Deck: NEW REPAIR 2 FT HIGH X 1 FT WIDE SOUND CONCRETE PATCH IN DIAPHRAGM OUTSIDE BEAM 4 AT BENT 7.

Span 7 Beam 2 Far Bearing: BEARINGS HAVE BEEN PAINTED SINCE PREVIOUS INSPECTION. SECTION LOSS REMAINS BENEATH THE PAINTED SURFACES. UP TO 80% SECTION REMAINING IN BOTH MASONRY AND SOLE PLATES.

Bent 7 Pile 1: NEW REPAIR 8 FT HIGH X 1 FT WIDE SOUND CONCRETE PATCH IN WEST FACE.

NEW APPROACH PAVEMENT IN NORTH APPROACH. TYPICAL IN SOUTH APPROACH.

Span 8 Left Bridge Rail: 8 IN WIDE X 8 IN HIGH X UP TO 3 IN DEEP SPALL WITH EXPOSED REINFORCEMENT IN TOP OF RAIL AT FIRST RAIL JOINT FROM END BENT 2. 90% SECTION REMAINING IN EXPOSED REINFORCEMENT.

Span 3 Left Bridge Rail: TWO (2) SPALLS UP TO 8 IN IN DIAMETER X 1 IN DEEP WITH EXPOSED REINFORCEMENT IN BOTTOM OF CURB AT 6 FT AND 10 FT FROM BENT 3 JOINT. NO MEASUREABLE SECTION LOSS IN EXPOSED REINFORCEMENT.

2 FT WIDE X 8 IN LONG X UP TO 5 IN DEEP SPALL IN THE TOP OF WINGWALL AT SOUTHWEST CORNER.

Span 6 Left Bridge Rail: MODERATE TO HEAVY IMPACT DAMAGE WITH UP TO 5 IN DEFLECTION TOWARDS WEST TO THE SUPPLEMENTAL BRIDGE RAIL FOR 20 FT LONG STARTING AT BENT 6. TWO (2) SPACER BLOCKS CONNECTING THE GUARDRAIL TO POSTS ARE PARTIALLY CRUSHED.

Span 6 Left Bridge Rail: MODERATE TO HEAVY IMPACT DAMAGE WITH UP TO 5 IN DEFLECTION TOWARDS WEST TO THE SUPPLEMENTAL BRIDGE RAIL FOR 20 FT LONG STARTING AT BENT 6. TWO (2) SPACER BLOCKS CONNECTING THE GUARDRAIL TO POSTS ARE PARTIALLY CRUSHED.

End Bent 1 Abutment/Backwall : UP TO 0.03 IN WIDE RANDOM CRACKING IN BACKWALL FOR FULL LENGTH.

UP TO 2 FT OF EROSION ALONG THE PILES AT BENT 1.

Stream Bed Soundings

(Profile diagram on following sheet)

County **JOHNSTON** Structure Number: **500101** Inspection Date **06/26/2019**

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

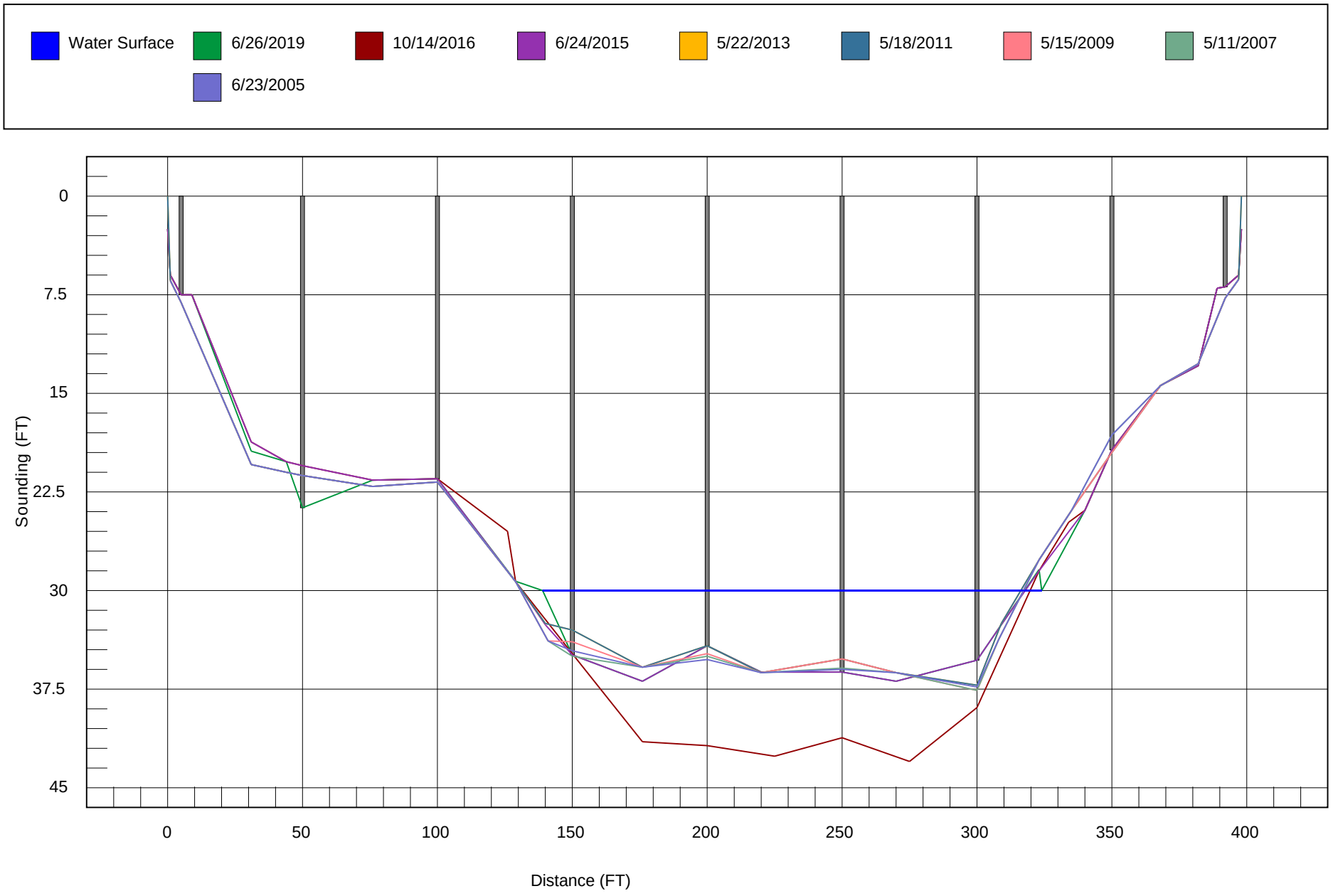
Highwater Mark Distance Location of Highwater Mark **NONE DETECTED**

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.500	0.000	TOP OF RAIL
1.000	6.000	0.000	TOP OF CAP
5.000	7.500	7.300	END BENT 1
9.000	7.500	0.000	
31.000	19.400	0.000	TOE OF SLOPE
44.000	20.200	0.000	
50.000	23.700	22.700	BENT 1
76.000	21.600	0.000	
100.000	21.500	23.400	BENT 2
129.000	29.300	0.000	
139.000	30.000	0.000	WSWE
150.000	34.900	34.000	BENT 3
176.000	36.900	0.000	
200.000	34.200	36.300	BENT 4
220.000	36.200	0.000	
250.000	36.200	40.900	BENT 5
270.000	36.900	0.000	
300.000	35.300	39.400	BENT 6
323.000	28.400	0.000	
324.000	30.000	30.000	WSWE
340.000	23.900	0.000	
350.000	19.300	16.900	BENT 7
368.000	14.400	0.000	
382.000	12.900	0.000	
389.000	7.000	0.000	
392.000	6.900	6.900	END BENT 2
397.000	6.000	0.000	TOP OF CAP
398.000	2.500	0.000	TOP OF RAIL

Bridge: 500101 County: JOHNSTON Date: 06/26/2019

STREAMBED PROFILE (Downstream)

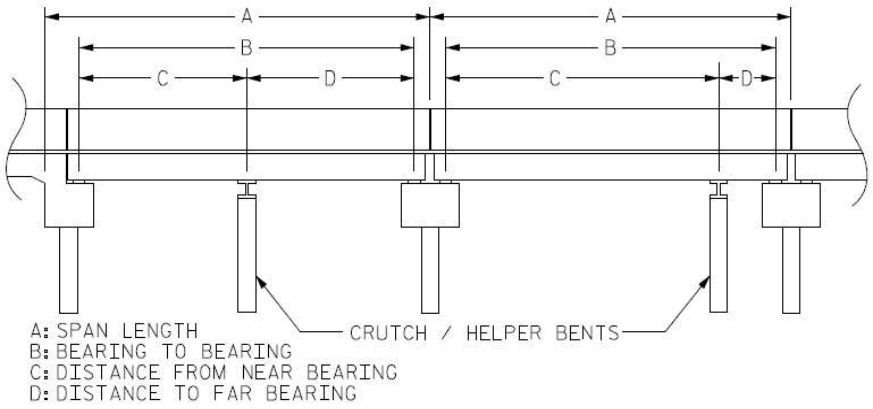
Top of Rail = 0FT (Sounding)



Structure Data Worksheet

Span Profile

County: **JOHNSTON** Structure Number: **500101**



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			

SNOOPER USED

TRAFFIC CONTROL USED

SLOPE PROTECTION AT END BENT 1

SOUTHWEST WINGWALL

INTERMEDIATE DIAPHRAGM IN SPAN 1 BAY 2

SOUTHEAST WINGWALL. NOTE HEAVY VEGETATION.

BEARINGS AT BENT 1 BEAM 2

BENT 2 PROFILE. OTHER INTERIOR BENTS SIMILAR.

SUPERSTRUCTURE UNDERSIDE SPAN 2. NOTE NEW PAINT.

BOTTOM FLANGE COVERPLATE CONNECTION AT BEAM 3 SPAN 3. TYPICAL IN BEAMS 2 AND 3 IN ALL SPANS.

NEW REPAIR TO SPAN 3 BEAM 1 BEAM END IN BOTH FACES OF THE WEB ABOVE BENT 3.

UPSTREAM FROM UNDER THE BRIDGE

DOWNSTREAM FROM UNDER THE BRIDGE

NEW REPAIR TO SPAN 5 BEAM 1 BEAM END IN BOTH FACES OF THE WEB ABOVE BENT 4.

BENT 4 PROFILE

WELDED REPAIR TO WEB BELOW END DIAPHRAGM, AT BENT 5.

SLOPE PROTECTION AT END BENT 2

NEW REPAIR TO SPAN 8 BEAM 1 BEAM END IN BOTH FACES OF THE WEB ABOVE BENT 7.

NORTHWEST WINGWALL. NOTE HEAVY VEGETATION GROWTH.

END DIAPHRAGM AT BENT 7 BAY 2

NORTHEAST WINGWALL. NOTE HEAVY VEGETATION.

END BENT 2 PROFILE

BACKWALL AND CAP AT END BENT 2 BAY 1

BEARING AT END BENT 2 BEAM 2. NOTE NEW PAINT.

WEST PROFILE

POST SPACING MID LENGTH NORTHWEST CORNER

POST SPACING MID LENGTH NORTHEAST CORNER

POST SPACING AT BRIDGE NORTHEAST CORNER

POST SPACING AT BRIDGE NORTHWEST CORNER

LOOKING SOUTH

FEATURE INTERSECTED SIGN AT NORTHEAST CORNER

RIGHT BRIDGE RAIL

LEFT BRIDGE RAIL

BRIDGE PLAQUE AT NORTHWEST CORNER. TYPICAL AT SOUTHEAST CORNER.

LEFT BRIDGE RAIL LOOKING SOUTH

DECK JOINT AT END BENT 2. TYPICAL AT END BENT 1.

NORTH APPROACH SLAB

DECK DRAINS ALONG LEFT BRIDGE RAIL IN SPAN 8. TYPICAL ALONG BOTH BRIDGE RAILS AND IN ALL SPANS.

NORTH APPROACH

DECK JOINT AT BENT 7. TYPICAL AT ALL INTERIOR BENTS.

TOP OF DECK. NEW LMC OVERLAY SINCE PREVIOUS INSPECTION.

DOWNSTREAM LOOKING WEST

SOUTH APPROACH

POST SPACING AT BRIDGE SOUTHEAST CORNER

POST SPACING AT BRIDGE SOUTHWEST CORNER

SOUTH APPROACH SLAB. NEW SINCE PREVIOUS INSPECTION. NOTE NEW ASPHALT PAVEMENT IN SOUTH APPROACH.

LOOKING NORTH

GUARDRAIL END TERMINAL AT SOUTHEAST CORNER

END BENT 1 PROFILE

EAST PROFILE

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 500101 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	1	Span 2 Beam 1: 10 IN LONG X 5 IN WIDE AREA OF SECTION LOSS BENEATH THE PAINTED SURFACE ABOVE THE BEARING AT BENT 2. 0.60 IN SECTION REMAINING (PAR).	
3348	Maintain Concrete Substructure Components	LF	1	Bent 3 Pile 7: 4 FT HIGH X 4 IN WIDE SPALL WITH EXPOSED REINFORCEMENT IN EAST FACE. 90% SECTION REMAINING IN EXPOSED REINFORCEMENT (PAR).	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 500101 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	1 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/27/2019	RAGHUVEER SURAPANENI	

Details

Span 2 Beam 1: 10 IN LONG X 5 IN WIDE AREA OF SECTION LOSS BENEATH THE PAINTED SURFACE ABOVE THE BEARING AT BENT 2. 0.60 IN SECTION REMAINING (PAR).

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	1 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
06/27/2019	RAGHUVEER SURAPANENI	

Details

Bent 3 Pile 7: 4 FT HIGH X 4 IN WIDE SPALL WITH EXPOSED REINFORCEMENT IN EAST FACE. 90% SECTION REMAINING IN EXPOSED REINFORCEMENT (PAR).

Bridge Inspection Field Sketch

I-95 SBL M.P. 91.5

Roadway	24ft Wide	2 Paved Lanes	Looking North
Left Shoulder	2.5ft Wide	2.5ft Paved	
Right Shoulder	1.5ft Wide	1.5ft Paved	
Left Guardrail	2.5ft from road		
Right Guardrail	1.5ft from road		

MEASURED AT OUTSIDE APPROACH SLAB AT NORTHWEST CORNER

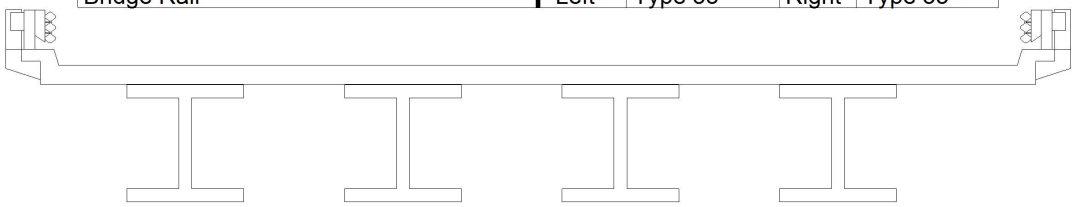
MODIFIED BY RS ON 6/26/19

Title	**Description**
APPROACH ROADWAY - SBL	LOOKING SOUTH

Bridge No: 500101	**Drawn By:** A. D. OSBORNE	**Date:** 06/21/2005	**File Name:** S0154000026

Bridge Inspection Field Sketch

Deck Width/Out to Out	33.5ft	Between Rails			28.167ft
Clear Roadway	28.167ft	Wearing Surface			0.146ft*
Median Width		Median Height			
Curb Height		Left	0.708ft**	Right	0.708ft**
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	2.958ft	Right	2.958ft
Bridge Rail		Left	Type 33	Right	Type 33



Measurements for Span #	1		
Deck Thickness	0.875'	Left Overhang	4.75'
Top of Rail to Bottom of Beam	6.5'	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	

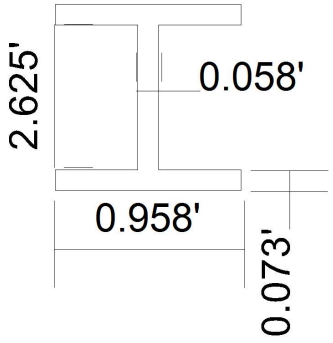
CHANGE IN BEAM SIZES, DECK WIDTH, OVERHANGS, TOP OF RAIL TO DECK, CURB HEIGHT, GUARDRAIL WIDTH, DECK THICKNESS, TOP OF RAIL TO BOTTOM OF BEAM, AND WEARING SURFACE

* MINIMUM

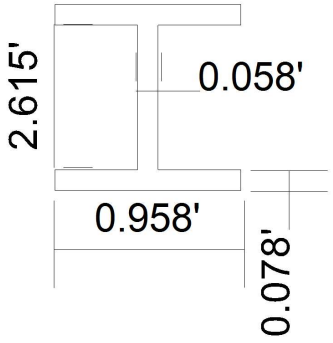
** 0.5FT MINIMUM AT NORTHWEST CORNER

BEAMS 2&3 COVERPLATES = 26'-6" X 9" X 0.623"

BEAMS 2 & 3, ALL SPANS



BEAMS 1 & 4, ALL SPANS



Title MODIFIED BY RS ON 6/26/19 TYPICAL SECTION	**Description** 4 - LINES STEEL I - BEAMS

Bridge No: 500101	**Drawn By:** A. D. OSBORNE	**Date:** 06/21/2005	**File Name:** S0154000027

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

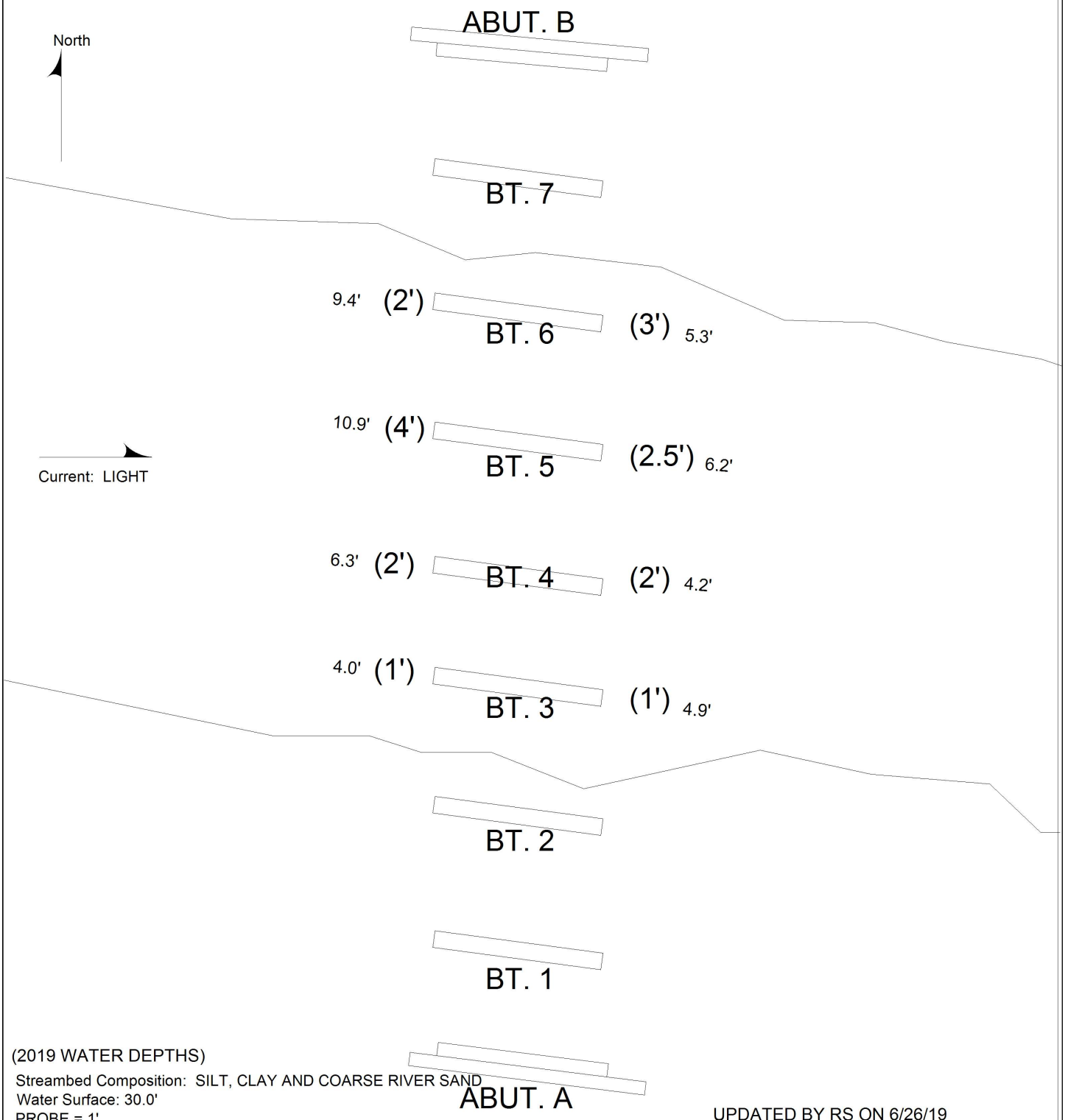
VERIFIED BY RS ON 6/25/19

Bent/Abutment #: 1 Similar Bents: BENT 2-6

Title	**Description**
SUBSTRUCTURE	LOOKING NORTH

Bridge No: 500101	**Drawn By:**	**Date:** 06/22/2005	**File Name:** S0018000412

Bridge Inspection Field Sketch



(2019 WATER DEPTHS)
Streambed Composition: SILT, CLAY AND COARSE RIVER SAND
Water Surface: 30.0'
PROBE = 1'

UPDATED BY RS ON 6/26/19

Title	Description
PLAN VIEW	BRIDGE AND WATERWAY

Bridge No:	Drawn By:	Date:	File Name:
500101	WTW	09/19/2005	S0158000026