



NC DEPARTMENT OF TRANSPORTATION

ATTENTION:

DIVISION OF HIGHWAYS

STRUCTURE MANAGEMENT UNIT

Structure Safety Report

2 Year Complete Topside and Underwater Element Inspection

COUNTY: COLUMBUS STRUCTURE NUMBER: 230313 FREQUENCY: 24 MONTHSFACILITY CARRIED: SR1159 MILE POST: LOCATION: 1.1 MI.N. OF JCT.SR1158FEATURE INTERSECTED: BOGGY BRANCHLATITUDE: 34° 11' 18.99" LONGITUDE: 78° 41' 56.08"SUPERSTRUCTURE: REINF.CONC.FLOOR ON I-BEAMSSUBSTRUCTURE: E.BTS&INT.BTS:RC CAPS/TIMBER PILES@VAR.CTS.SPANS: 1@18.25'; 2@18.33'; 1@18.42'☐ FRACTURE CRITICAL ☐ TEMPORARY SHORING ☐ SCOUR CRITICAL ☐ SCOUR PLAN OF ACTIONPRESENT CONDITION: Fair INSPECTION DATE: 01/10/2017POSTED SV: Not Posted POSTED TTST: Not PostedOTHER SIGNS PRESENT: 4 DELINEATORS

LOOKING NORTH

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

DIRECTION OF INSPECTION	<u>S-N</u>
DIRECTION MATCHES PLANS	<u>YES</u>

INSPECTED BY PATRICK G. RUTHERFORD	SIGNATURE 	ASSISTED BY STAN MATTHIAE
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Structure Element Scoring

Structure Number: **230313**

Inspection Date **1/10/2017**

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	1863	1863	0	0	0
107	0	Steel Open Girder/Beam	Beam	792	410	374	8	0
515	107	Steel Protective Coating	Beam	3255	2855	0	6	394
228	0	Timber Pile	Piles and Columns	20	4	16	0	0
234	0	Reinforced Concrete Pier Cap	Caps	135	0	135	0	0
301	0	Pourable Joint Seal	Expansion Joints	130	78	52	0	0
304	0	Open Expansion Joint	Expansion Joints	26	0	26	0	0
313	0	Fixed Bearing	Bearing Device	7	6	0	1	0
515	313	Steel Protective Coating	Bearing Device	1	1	0	0	0
515	316	Steel Protective Coating	Bearing Device	84	84	0	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	152	148	4	0	0
510	0	Wearing Surface	Wearing Surfaces	1504	1480	0	17	7

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **230313**

Inspection Date: **01/10/2017**

MMS Code	Element Name	Defect Name	Recommended Quantity
3314	Steel Open Girder/Beam	Corrosion	7 Feet
3344	Timber Pile	Decay/Section Loss	4 Each
3344	Timber Pile	Check/Shake	48 Each
3348	Reinforced Concrete Pier Cap	Delamination/Spall	135 Feet
3310	Pourable Joint Seal	Seal Cracking	52 Feet
3334	Fixed Bearing	Corrosion	1 Each
3334	Other Bearings	Corrosion	74 Each
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	400 Square Feet

Element Structure Maintenance Quantities

Structure Number: **230313**

Inspection Date **01/10/2017**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Beam	3314	Maintenance Steel Superstructure Components	7	792	0	8	374	410
Beam	3342	Clean and Paint Steel	400	3255	394	6	0	2855
Bearing Device	3334	Bridge Bearing	1	7	0	1	0	6
Bearing Device	3342	Clean and Paint Steel	0	85	0	0	0	85
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	4	152	0	0	4	148
Caps	3348	Maintenance of Concrete Substructure	135	135	0	0	135	0
Deck	3326	Maintenance of Concrete Deck	0	1863	0	0	0	1863
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	52	130	0	0	52	78
Piles and Columns	3344	Maintenance To Timber Substructure	52	20	0	0	16	4
Wearing Surfaces	2816	Asphalt Surface Repair	24	1504	7	17	0	1480

Element Condition and Maintenance Data

Structure Number: 230313

Inspection Date: 01/10/2017

Span 1

Expansion Joint

Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	26	0	26	0	0 Feet
304	Open Expansion Joint	26	0	26	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
301	Seal Cracking	CRACKED TO 1" WIDE (MAX). SETTLED TO 1" IN SBL, 3/4" IN NBL	2	26	26 Feet

General Comments

CRACKED TO 1" WIDE(MAX.)
SBL SETTLED 1"
NBL SETTLED 3/4"

Span 1

Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	464	464	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

AWS COVERED, EXPOSED AREAS AND UNDERSIDE SHOW NO PROBLEMS

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	18	17	0	1	0 Feet
515	Steel Protective Coating	74	74	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	EAST FLANGE, 3.5' FROM END BENT 1 SECTION LOSS-EDGE OF FLANGE HAS 1/8" REMAINING X 1" LONG, TAPERS BACK TO FULL THICKNESS +/- 3/4" FROM EDGE. THIS AREA PREVIOUSLY RECOATED.	3	1	1 Feet

General Comments

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	18	12	6	0	0 Feet
515	Steel Protective Coating	74	68	0	0	6 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	6 FEET OF FRECKELED RUST	2	6	Feet
515	Effectiveness (Steel	COATING FAILED IN AREAS OF CORROSION	4	6	6 Square Feet

General Comments

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	18	10	8	0	0 Feet
515	Steel Protective Coating	74	66	0	0	8 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	8 FEET OF FRECKLED RUST	2	8	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	8	8 Square Feet

General Comments

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	18	10	8	0	0 Feet
515	Steel Protective Coating	74	66	0	0	8 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	8 FEET OF FRECKLED RUST	2	8	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	8	8 Square Feet

General Comments

Span 1 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	12	6	0	0 Feet
515	Steel Protective Coating	74	68	0	0	6 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	6 FEET OF FRECKLED RUST	2	6	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	6	6 Square Feet

General Comments

Span 1 Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	10	8	0	0 Feet
515	Steel Protective Coating	74	66	0	0	8 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **230313**Inspection Date: **01/10/2017**

107	Corrosion	8 FEET OF FRECKLED RUST	2	8	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	8	8 Square Feet
General Comments					

Span 1**Beam 7****Plate Girder**

Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam		18	12	6	0	0 Feet
515	Steel Protective Coating		74	68	0	0	6 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	6 FEET OF FRECKLED RUST	2	6	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	6	6 Square Feet
General Comments					

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	12	6	0	0 Feet
515	Steel Protective Coating	74	68	0	6	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	6 FEET OF FRECKLED RUST	2	6	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	3	6	6 Square Feet
General Comments					

Span 1**Beam 9****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	10	8	0	0 Feet
515	Steel Protective Coating	74	66	0	0	8 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	8 FEET OF FRECKLED RUST	2	8	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	8	8 Square Feet
General Comments					

Span 1**Beam 10****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	12	6	0	0 Feet
515	Steel Protective Coating	74	68	0	0	6 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	6 FEET OF FRECKLED RUST	2	6	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	6	6 Square Feet

General Comments**Span 1****Beam 11****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	8	10	0	0 Feet
515	Steel Protective Coating	74	64	0	0	10 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	10 FEET OF FRECKLED RUST. REPAIR PLATES IN PLACE OVER BENT 1, NOTCHED AROUND DIAPHRAM.	2	10	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	10	10 Square Feet

General Comments**Span 1****Wearing Surface****Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	375	358	0	17	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments					

AWS WORN AWAY EXPOSING DECK

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	19	18	1	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments					

SOUTH END - SPALL 6" DIAMETER X 3/4" DEEP

Span 1**Far Bearing****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PIITING TO 1/8", REPAINTED	3	1	1	Each

General Comments

Span 1**Near Bearing****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	1	0	0	0	Each
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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General Comments

NO PROBLEMS NOTED

Span 1**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each

General Comments

PITTING TO 1/8", REPAINTED

Span 1**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	1	0	0	0	Each
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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General Comments

NO PROBLEMS NOTED

Span 1 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	1	0	0	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 1 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	1	0	0	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

NO PROBLEMS NOTED

Span 1 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	1	0	0	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 1 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	1	0	0	0 Each
515	Steel Protective Coating	0	0	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

NO PROBLEMS NOTED

Span 1		Far Bearing					
Other Bearing							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating		1	1	0	0	0 Square Feet
Element Number	Defect Type	Defect Description		CS	CS Qty	Maint Qty	
316	Corrosion	PITTING TO 1/8", REPAINTED		3	1	1	Each
General Comments							
PITTING TO 1/8", REPAINTED							

Span 1		Near Bearing				
Other Bearing						
Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	0	0	0	0	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
General Comments						
NO PROBLEMS NOTED						

Span 1		Far Bearing					
Other Bearing							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating		1	1	0	0	0 Square Feet
Element Number	Defect Type	Defect Description		CS	CS Qty	Maint Qty	
316	Corrosion	PITTING TO 1/8", REPAINTED		3	1	1	Each
General Comments							

Span 1		Near Bearing				
Other Bearing						
Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0
Square Feet						
Element Number	Defect Type	Defect Description		CS	CS Qty	Maint Qty
General Comments						
NO PROBLEMS NOTED						

Span 1 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each	
General Comments							

Span 1 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
General Comments							
NO PROBLEMS NOTED							

Span 1 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each	
General Comments							

Span 1 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
General Comments							
NO PROBLEMS NOTED							

Span 1 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each	

General Comments

PITTING TO 1/8", REPAINTED

Span 1**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

NO PROBLEMS NOTED

Span 1**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 1**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

NO PROBLEMS NOTED

Span 1**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 1 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

NO PROBLEMS NOTED

Span 2 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	464	464	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

AWS COVERED, EXPOSED AREAS AND UNDERSIDE SHOW NO PROBLEMS

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	18	13	5	0	0 Feet
515	Steel Protective Coating	74	69	0	0	5 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	5 FEET OF FRECKLED RUST	2	5	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	5	5 Square Feet

General Comments**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	18	11	6	1	0 Feet
515	Steel Protective Coating	74	68	0	0	6 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	EAST FLANGE OVER REMAINING AT FLANGE EDGE IN AN AREA 1" LONG, TAPERS TO FULL THICKNESS +/- 3/4" FROM EDGE.	3	1	Feet
107	Corrosion	6 FEET OF FRECKLED RUST	2	6	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED AREAS CORROSION	4	6	6 Square Feet

General Comments

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	18	9	8	1	0 Feet
515	Steel Protective Coating	74	65	0	0	9 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	WEST FLANG OVER BENT 1- 3/16" REMAINING AT EDGE IN 3" LONG AREA.	3	1	1 Feet
107	Corrosion	8 FEET FRECKLED RUST	2	8	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	9	9 Square Feet
General Comments					

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	18	5	13	0	0 Feet
515	Steel Protective Coating	74	61	0	0	13 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	13 FEET FRECKLED RUST	2	13	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	13	13 Square Feet
General Comments					

Span 2**Beam 5****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	10	8	0	0 Feet
515	Steel Protective Coating	72	64	0	0	8 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	FEET FRECKLED RUST	2	8	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	8	8 Square Feet
General Comments					

Span 2**Beam 6****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	12	6	0	0 Feet
515	Steel Protective Coating	74	68	0	0	6 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	6 FEET FRECKLED RUST	2	6	Feet

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515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	6	6 Square Feet
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General Comments**Span 2****Beam 7****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	9	8	1	0 Feet
515	Steel Protective Coating	74	66	0	0	8 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	EAST FLANGE OVER BENT 1- SECTION LOSS TO 1/8" AT FLANGE EDGE X 3" LONG, REMAING STEEL IS 1/4" TAPERS TO FULL THICKNESS 1.5" FROM WEB.	3	1	1 Feet
107	Corrosion	8 FEET FRECKLED RUST	2	8	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	8	8 Square Feet

General Comments**Span 2****Beam 8****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	17	1	0	0 Feet
515	Steel Protective Coating	74	66	0	0	8 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PITTING TO 1/8", REPAINTED	2	1	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	8	8 Square Feet

General Comments**Span 2****Beam 9****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	9	8	1	0 Feet
515	Steel Protective Coating	74	66	0	0	8 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	EAST FLANGE OVER BENT 2- 1/4" REMAINING AT FLANGE EDGE X 3" LONG, TAPERS TO FULL THICKNESS +/- 3/4" FROM FLANGE EDGE.	3	1	1 Feet
107	Corrosion	8 FEET FRECKLED RUST	2	8	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	8	8 Square Feet

General Comments

Span 2**Beam 10****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	18	8	10	0	0	Feet
515	Steel Protective Coating	74	64	0	0	10	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	10 FEET FRECKLED RUST	2	10		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	10	10	Square Feet

General Comments

Span 2**Beam 11****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	18	11	7	0	0	Feet
515	Steel Protective Coating	74	67	0	0	7	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	7 FEET FRECKLED RUST	2	7		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	7	7	Square Feet

General Comments

Span 2**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each

General Comments

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	11 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3		1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each
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General Comments

PITTING TO 1/8", REPAINTED

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED. EAST FLANGE 10% REMAINING ON NUT	3	1	1 Each

General CommentsPITTING TO 1/8", REPAINTED
EAST FLANGE, 10% REMAINING ON NUT**Span 2 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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316 Corrosion PITTING TO 1/8", REPAINTED 3 1 1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each

General Comments

PITTING TO 1/8", REPAINTED

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	466	466	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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General Comments

AWS COVERED, EXPOSED AREAS AND UNDERSIDE SHOW NO PROBLEMS

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	18	10	8	0	0	Feet
515	Steel Protective Coating	74	66	0	0	8	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	8 FEET FRECKLED RUST. BEAM HAS REPAIR PLATES WELDED IN PLACE OVER BENT 2 NOTCHED AROUND DIAPHRAM	2	8		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	8	8	Square Feet

General Comments

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	18	10	8	0	0 Feet
515	Steel Protective Coating	74	66	0	0	8 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	8 FEET FRECKLED RUST	2	8	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	8	8 Square Feet

General Comments

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	18	8	10	0	0 Feet
515	Steel Protective Coating	74	64	0	0	10 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	10 FEET FRECKLED RUST	2	10	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	10	10 Square Feet

General Comments

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	18	4	14	0	0 Feet
515	Steel Protective Coating	74	60	0	0	14 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	14 FEET FRECKLED RUST	2	14	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	14	14 Square Feet

General Comments

Span 3**Beam 5****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	8	10	0	0 Feet
515	Steel Protective Coating	74	64	0	0	10 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	10 FEET FRECKLED RUST	2	10	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	10	10 Square Feet

General Comments**Span 3 Beam 6****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	6	12	0	0 Feet
515	Steel Protective Coating	74	62	0	0	12 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	12 FEET FRECKLED RUST	2	12	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	12	12 Square Feet

General Comments**Span 3 Beam 7****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	10	8	0	0 Feet
515	Steel Protective Coating	74	66	0	0	8 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	8 FEET FRECKLED RUST	2	8	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	8	8 Square Feet

General Comments**Span 3 Beam 8****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	4	14	0	0 Feet
515	Steel Protective Coating	74	60	0	0	14 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	14 FEET FRECKLED RUST	2	14	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	14	14 Square Feet

General Comments**Span 3 Beam 9****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	3	15	0	0 Feet
515	Steel Protective Coating	74	59	0	0	15 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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107	Corrosion	15 FEET FRECKLED RUST	2	15	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	15	15 Square Feet
General Comments					

Span 3 Beam 10**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	0	18	0	0 Feet
515	Steel Protective Coating	74	56	0	0	18 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	18 FEET FRECKLED RUST	2	18	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	18	18 Square Feet
General Comments					

Span 3 Beam 11**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	6	12	0	0 Feet
515	Steel Protective Coating	74	62	0	0	12 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	12 FEET FRECKLED RUST	2	12	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	12	12 Square Feet
General Comments					

Span 3 Left Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	19	18	1	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments					

POST 3 - SPALL 3" DIAMETER X 1/2" DEEP

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1	Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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316 Corrosion PITTING TO 1/8", REPAINTED 3 1 1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **230313**Inspection Date: **01/10/2017**

316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each
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General Comments

PITTING TO 1/8", REPAINTED

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 4 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	469	469	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

AWS COVERED, EXPOSED AREAS AND UNDERSIDE SHOW NO PROBLEMS

Span 4 Expansion Joint

Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	26	0	26	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
301	Seal Cracking	CRACKED TO 1" WIDE. SBL SETTLED TO 1", NBL SETTLED TO 3/4"	2	26	26 Feet
General Comments					

Span 4 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	378	371	0	0	7 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments					

WORN IN AREAS EXPOSING DECK

Span 4 Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	19	18	1	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments					

NORTH END - SPALL ON CURB 5" LONG X 3" WIDE X 1/2" DEEP

Span 4 Right Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	19	18	1	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments					

NORTH END - SPALL ON CURB 4" LONG X 2" WIDE X 1/2" DEEP

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	18	3	15	0	0	Feet
515	Steel Protective Coating	74	44	0	0	30	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	15 FEET FRECKLED RUST/SURFACE RUST	2	15		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	30	30	Square Feet

General Comments

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	18	13	4	1	0	Feet
515	Steel Protective Coating	75	71	0	0	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS 1" WIDE X 1" BACK TOWARD WEB NEAR BEARING AREA AT BENT 3.	3	1	1	Feet
107	Corrosion	4 FEET FRECKLED RUST	2	4		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	4	4	Square Feet

General Comments

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	18	10	8	0	0	Feet
515	Steel Protective Coating	74	66	0	0	8	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	8 FEET FRECKLED RUST	2	8		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	8	8	Square Feet

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	18	8	10	0	0	Feet
515	Steel Protective Coating	74	64	0	0	10	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	10 FEET FRECKLED RUST	2	10		Feet

Structure Number: **230313**Inspection Date: **01/10/2017**

515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	10	10 Square Feet
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General Comments**Span 4****Beam 5****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	10	8	0	0 Feet
515	Steel Protective Coating	74	66	0	0	8 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	8 FEET FRECKLED RUST	2	8	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	8	8 Square Feet

General Comments**Span 4****Beam 6****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	12	6	0	0 Feet
515	Steel Protective Coating	74	66	0	0	8 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	8 FEET FRECKLED RUST	2	6	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	8	8 Square Feet

General Comments**Span 4****Beam 7****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	10	8	0	0 Feet
515	Steel Protective Coating	74	66	0	0	8 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	8 FEET FRECKLED RUST	2	8	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	8	8 Square Feet

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	12	6	0	0 Feet
515	Steel Protective Coating	74	68	0	0	6 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	6 FEET FRECKLED RUST	2	6	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	6	6 Square Feet

General Comments

Span 4 **Beam 9****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	5	12	1	0 Feet
515	Steel Protective Coating	74	62	0	0	12 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	EAST FLANGE OVER BENT 3- 1/4" REMAINING AT FLANGE EDGE IN AREA 4" LONG, TAPERS TO FULL THICKNESS +/- 3/4" FROM FLANGE EDGE.	3	1	1 Feet
107	Corrosion	12 FEET FRECKELED RUST	2	12	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	12	12 Square Feet

General Comments

Span 4 **Beam 10****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	7	10	1	0 Feet
515	Steel Protective Coating	74	63	0	0	11 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	EAST FLANGE OVER BENT 3- UP TO 1/4" LOSS OF FLANGE EDGE IN AN AREA 4" LONG AT BEARING	3	1	1 Feet
107	Corrosion	10 FEET FRECKLED RUST	2	10	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	11	11 Square Feet

General Comments

Span 4**Beam 11****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	18	12	6	0	0 Feet
515	Steel Protective Coating	74	68	0	0	6 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	6 FEET FRECKLED RUST.REPAIR PLATES WELDED IN PLACE OVER BENT 2, NOTCHED AROUND DIAPHRAM.	2	6	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED IN AREAS OF CORROSION	4	6	6 Square Feet

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 4**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

NO PROBLEMS NOTED

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 4 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

NO PROBLEMS NOTED

Span 4 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 4 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

NO PROBLEMS NOTED

Span 4 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 4 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

NO PROBLEMS NOTED

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

PITTING TO 1/8", REPAINTED

Span 4**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

NO PROBLEMS NOTED

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 4**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

NO PROBLEMS NOTED

Span 4 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 4 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

NO PROBLEMS NOTED

Span 4 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 4 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

NO PROBLEMS NOTED

Span 4 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **230313**Inspection Date: **01/10/2017**

316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each
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General Comments

PITTING TO 1/8", REPAINTED

Span 4 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

NO PROBLEMS NOTED

Span 4 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 4 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

NO PROBLEMS NOTED

Span 4 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PITTING TO 1/8", REPAINTED	3	1	1 Each

General Comments

PITTING TO 1/8", REPAINTED

Span 4 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

NO PROBLEMS NOTED

End Bent 1 Reinforced Concrete Pier 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	27	0	27	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	COARSE AGGREGATE EXPOSED TO 1/4"	2	27	27 Feet

General Comments**End Bent 1 Timber Pile 1****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	SURFACE SOFT TO 1/4" WITH CHECKS TO 1/16"	2	1	1 Each

General Comments**End Bent 1 Timber Pile 2****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	SURFACE SOFT TO 1/4" WITH CHECKS TO 1/16"	2	1	1 Each

General Comments**End Bent 1 Timber Pile 3****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	SURFACE SOFT TO 1/4" WITH CHECKS TO 1/16"	2	1	1 Each

General Comments**End Bent 1 Timber Pile 4****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	SURFACE SOFT TO 1/4" WITH CHECKS TO 1/16"	2	1	1 Each

General Comments**Bent 1 Reinforced Concrete Pier 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	27	0	27	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	COARSE AGGREGATE EXPOSED TO 1/4"	2	27	27 Feet

General Comments**Bent 1 Timber Pile 1****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	SURFACE SOFT TO 1/4" WITH CHECKS TO 1/16"	2	1	13 Each

General Comments**Bent 1 Timber Pile 2****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	SURFACE SOFT TO 1/4" WITH CHECKS TO 1/16"	2	1	3 Each

General Comments

Bent 1**Timber Pile 3****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	SURFACE SOFT TO 1/4" WITH CHECKS TO 1/16"	2	1	3 Each

General Comments

Bent 1**Timber Pile 4****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	SURFACE SOFT TO 1/4" WITH CHECKS TO 1/16"	2	1	3 Each

General Comments

Bent 2**Reinforced Concrete Pier 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	27	0	27	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	COARSE AGGREGATE EXPOSED TO 1/4"	2	27	27 Feet

General Comments

Bent 2**Timber Pile 1****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	SURFACE SOFT TO 1/4" WITH CHECKS TO 1/16"	2	1	3 Each

General Comments

Bent 2**Timber Pile 2****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Decay/Section Loss	DECAY AT NORTHUAD. BELOW CAP 5" VERT. X 3" WIDE X 1" DEEP. SURFACE SOFT TO 1/4", CHECKS TO 1/16"	2	1	4 Each

General Comments**Bent 2 Timber Pile 3****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	SURFACE SOFT TO 1/4" WITH CHECKS TO 1/16"	2	1	4 Each

General Comments**Bent 2 Timber Pile 4****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	SURFACE SOFT TO 1/4" WITH CHECKS TO 1/16"	2	1	4 Each

General Comments**End Bent 2 Reinforced Concrete Pier 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	27	0	27	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	COARSE AGGREGATE EXPOSED TO 1/4"	2	27	27 Feet

General Comments**End Bent 2 Timber Pile 1****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	1	0	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

LIMITED ACCESS, UNABLE TO INSPECT

End Bent 2**Timber Pile 2****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	1	0	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

LIMITED ACCESS, UNABLE TO INSPECT

End Bent 2**Timber Pile 3****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	1	0	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

LIMITED ACCESS, UNABLE TO INSPECT

End Bent 2**Timber Pile 4****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	1	0	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

LIMITED ACCESS, UNABLE TO INSPECT

Bent 3**Reinforced Concrete Pier 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	27	0	27	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	COARSE AGGREGATE EXPOSED TO 1/4"	2	27	27 Feet

General Comments**Bent 3****Timber Pile 1****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	COARSE AGGREGATE EXPOSED TO 1/4"	2	1	2 Each

General Comments**Bent 3 Timber Pile 2****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	SURFACE SOFT TO 1/4" WITH CHECKS TO 1/16"	2	1	2 Each

General Comments**Bent 3 Timber Pile 3****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	SURFACE SOFT TO 1/4" WITH CHECKS TO 1/16"	2	1	3 Each

General Comments**Bent 3 Timber Pile 4****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	SURFACE SOFT TO 1/4" WITH CHECKS TO 1/16"	2	1	4 Each

General Comments

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	464
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	18
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	18
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	18
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	18
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	18
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	18
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	18
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	18
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	18
Span 1	Beam 10	Plate Girder	Steel Open Girder/Beam	18
Span 1	Beam 11	Plate Girder	Steel Open Girder/Beam	18
Span 1	Expansion Joint	Standard Joint	Pourable Joint Seal	26
Span 1	Expansion Joint	Standard Joint	Open Expansion Joint	26
Span 1	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Other Bearing	Fixed Bearing	1
Span 1	Far Bearing	Other Bearing	Fixed Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	464
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	18
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	18
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	18
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	18
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	18
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	18
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	18
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	18
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	18
Span 2	Beam 10	Plate Girder	Steel Open Girder/Beam	18
Span 2	Beam 11	Plate Girder	Steel Open Girder/Beam	18
Span 2	Expansion Joint	Standard Joint	Pourable Joint Seal	26
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	466
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	18
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	18
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	18
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	18
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	18
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	18
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	18
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	18
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	18
Span 3	Beam 10	Plate Girder	Steel Open Girder/Beam	18
Span 3	Beam 11	Plate Girder	Steel Open Girder/Beam	18
Span 3	Expansion Joint	Standard Joint	Pourable Joint Seal	26
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	469
Span 4	Beam 1	Plate Girder	Steel Open Girder/Beam	18

Elements Verified

Location	Name	Component	Element Name	Amount
Span 4	Beam 2	Plate Girder	Steel Open Girder/Beam	18
Span 4	Beam 3	Plate Girder	Steel Open Girder/Beam	18
Span 4	Beam 4	Plate Girder	Steel Open Girder/Beam	18
Span 4	Beam 5	Plate Girder	Steel Open Girder/Beam	18
Span 4	Beam 6	Plate Girder	Steel Open Girder/Beam	18
Span 4	Beam 7	Plate Girder	Steel Open Girder/Beam	18
Span 4	Beam 8	Plate Girder	Steel Open Girder/Beam	18
Span 4	Beam 9	Plate Girder	Steel Open Girder/Beam	18
Span 4	Beam 10	Plate Girder	Steel Open Girder/Beam	18
Span 4	Beam 11	Plate Girder	Steel Open Girder/Beam	18
Span 4	Expansion Joint	Standard Joint	Pourable Joint Seal	26
Span 4	Expansion Joint	Standard Joint	Pourable Joint Seal	26
Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	27
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
End Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	27
End Bent 1		Timber Pile	Timber Pile	1
End Bent 1		Timber Pile	Timber Pile	1
End Bent 1		Timber Pile	Timber Pile	1
End Bent 1		Timber Pile	Timber Pile	1
Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	27
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
End Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	27
End Bent 2		Timber Pile	Timber Pile	1
End Bent 2		Timber Pile	Timber Pile	1
End Bent 2		Timber Pile	Timber Pile	1
End Bent 2		Timber Pile	Timber Pile	1
Bent 3		Timber Pile	Timber Pile	1
Bent 3		Timber Pile	Steel Pile	1
Bent 3		Timber Pile	Steel Pile	1
Bent 3		Timber Pile	Timber Pile	1
Bent 3		Timber Pile	Timber Pile	1
Bent 3		Timber Pile	Timber Pile	1

National Bridge and NC Inspection Items

Structure Number: 230313

Inspection Date: 01/10/2017

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	6
Item 59: Superstructure	0 - 9 , N	5
Item 60: Substructure	0 - 9 , N	5
Item 61: Channel and Channel Protection	0 - 9 , N	6
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	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C			
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	F	0	3350
Field Scour Evaluation		P		
Drift	G, F, P, or C	F	0	3366
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C			
Estimated Remaining Life	0 - 100 Years	10		
Superstructure Paint Code		A		

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

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	12
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	Y

National Bridge and NC SMU Inspection Item Details

Structure Number: 230313

Inspection Date: 01/10/2017

Item	Other Equipment Used	Grade	Y	Maint Code		Qty.	0
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Details DRY SUIT
PGR 4.0"W/D 30 MIN.

Item	Drift	Grade	F	Maint Code	3366	Qty.	0
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Details CUT-OFF PILES TO 2' AM/L.
DRIFT ON UPSTREAM END OF BENT 1 CAP.

Item	Wingwalls	Grade	F	Maint Code	3350	Qty.	0
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Details S.W. TURNPILE PREVIOUSLY HAD A NEW PILE ADDED ADJACENT.
S.E. TURNPILE- WEST QUADRANT DECAYED 20" V X 7" W X 4" DEEP.
N.E. TURNPILE- SOUTH QUADRANT DECAYED 26" V X 4" W X 3" DEEP.
N.W. WING- TOP BOARD DECAYED / DISPLACED.



SPALL, SPAN 1, LEFT RAIL, SOUTH END



AWS WORN EXPOSING DECK, SPAN 1



SPALL SPAN 3, POST 3, LEFT RAIL



SPALL IN SPAN 4, RIGHT RAIL NORTH END



SPALL, SPAN 4, NORTH END LEFT RAIL



DECAY AT N.E. TURNPILE



N.W. WING, TOP BOARD DECAYED AND DISPLACED



S.E. TURNPILE DECAY



RUST WHERE PAINT MISSING ON BEAM 1, SPAN 4



COARSE AGGREGATE EXPOSED ON CAPS



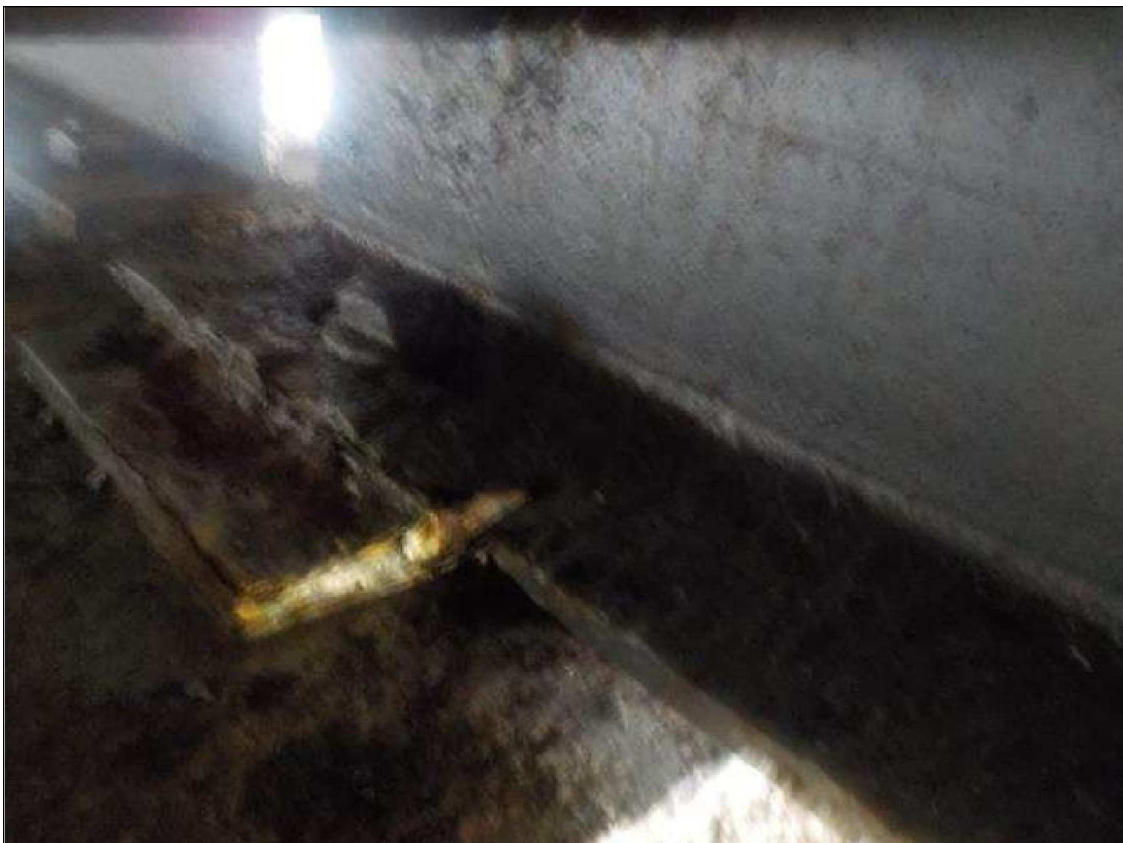
SOUTH TRANSITION CRACKED AND SETTLED



NORTH TRANSITION CRACKED AND SETTLED



DRIFT ON BENT 1 UPSTREAM END



SECTION LOSS, BEAM 2, SPAN 4 OVER BENT 3, EAST FLANGE 1" WIDE X 1" TOWARD WEB



SECTION LOSS BEAM 9 SPAN 4, EAST FLANGE OVER BENT 3



SECTION LOSS BEAM 10, SPAN 4 OVER BENT 3



SPALL ON DIAPHRAM EXPOSING REBAR, SPAN 3, BAY 2 OVER BENT 2



SPALL ON DIAPHRAM EXPOSING REBAR, SPAN 3, BAY 4 OVER BENT 2



PITTING ON BEARING PLATE BEAM 11, OVER BENT 3 IN SPAN 4



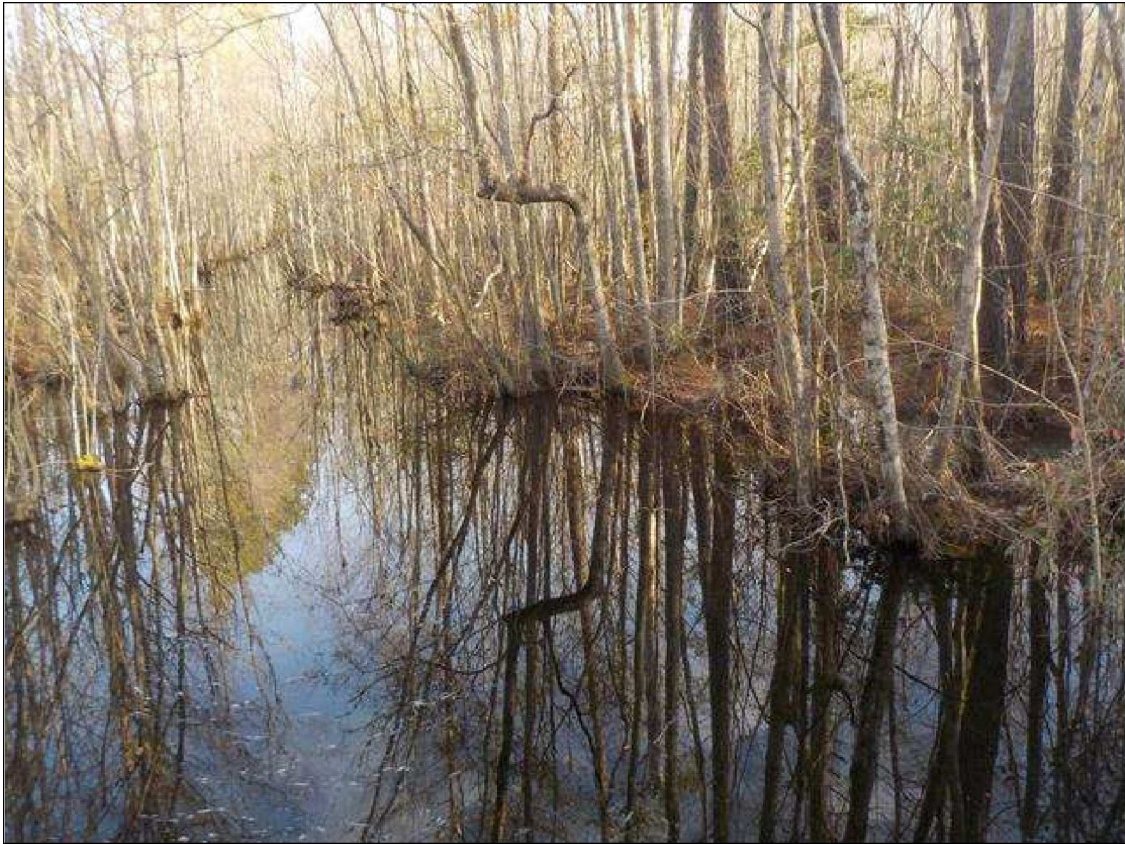
BEAM REPAIR



LOOKING NORTH



EAST PROFILE



EAST



WEST



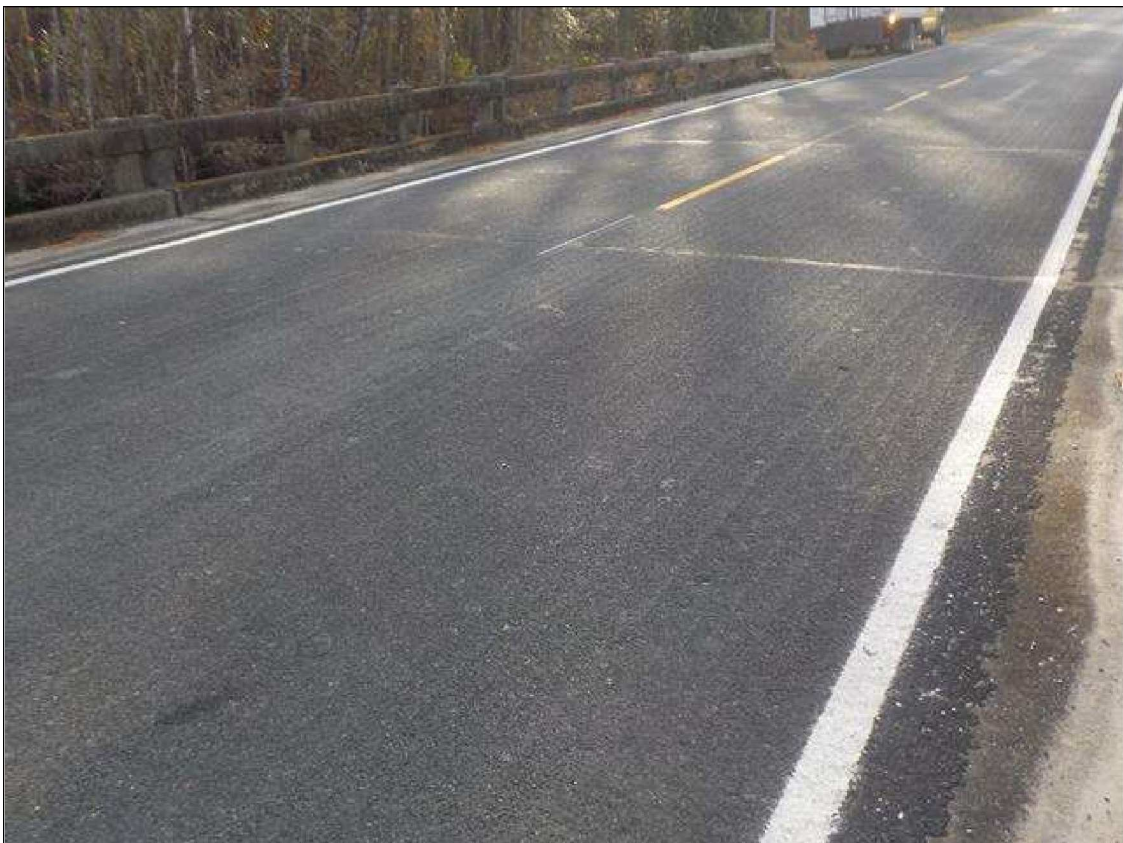
WEST PROFILE



BENT 3 SPAN 4 SIDE



SOUTH



DECK OVERVIEW



CURB/RAIL OVERVIEW



TYPICAL JOINT



S.W. WING / EXTERIOR BULKHEAD



S.E. WING/ EXTERIOR BULKHEAD



N.E. WING/ EXTERIOR BULKHEAD



N.W. WING/ EXTERIOR BULKHEAD



END BENT 1



BEARING AREA

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

Run Date: 07/06/2017

IDENTIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	230313	SUFFICIENCY RATING = 26.64
(8) STRUCTURE NUMBER(FEDERAL)	00000000470313	STATUS =	Functionally Obsolete
(5) INVENTORY ROUTE (ON/UNDER) - ON	31011590		
(2) STATE HIGHWAY DEPARTMENT DISTRICT	3		
(3) COUNTY CODE 47	(4) PLACE CODE	0	
(6) FEATURE INTERSECTED - BOGGY BRANCH			
(7) FACILITY CARRIED SR1159			
(9) LOCATION 1.1 MI.N. OF JCT.SR1158			
(11)MILEPOINT	0		
(16)LAT 34° 11' 18.99"	(17)LONG 78° 41' 56.08"		
(98)BORDER BRIDGE STATE CODE	PCT SHARE		
(99)BORDER BRIDGE STRUCTURE NO			

STRUCTURE TYPE AND MATERIAL			
(43) STRUCTURE TYPE MAIN: Steel			
TYPE - Stringer Multibeam or Girder	CODE	302	
(44) STRUCTURE TYPE APPR :			
TYPE -	CODE	000	
(45) NUMBER OF SPANS IN MAIN UNIT	4		
(46) NUMBER OF APPROACH SPANS			
(107)DECK STRUCTURE TYPE - 1	CODE		
(108)WEARING SURFACE / PROTECTIVE SYSTEM :			
(A) TYPE OF WEARING SURFACE -	CODE		
(B) TYPE OF MEMBRANE -	CODE		
(C) TYPE OF DECK PROTECTION -	CODE		

AGE AND SERVICE			
(27) YEAR BUILT	1955		
(106)YEAR RECONSTRUCTED			
(42) TYPE OF SERVICE : ON - Highway			
UNDER - Waterway	CODE	15	
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE	0		
(29) AVERAGE DAILY TRAFFIC	740		
(30) YEAR OF ADT 2013	(109) TRUCK ADT PCT	6%	
(19) BYPASS OR DETOUR LENGTH	7 MI		

GEOMETRIC DATA			
(48) LENGTH OF MAXIMUM SPAN	18 FT		
(49) STRUCTURE LENGTH	73 FT		
(50)CURB OR SIDEWALK: LEFT .75 FT RIGHT .75 FT			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB	24 FT		
(52) DECK WIDTH OUT TO OUT	25.417 FT		
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)	20 FT		
(33) BRIDGE MEDIAN - No Median	CODE	0	
(34) SKEW 0°	(35) STRUCTURE FLARED	0	
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9 FT		
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	24 FT		
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9 FT		
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad	0 FT		
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad	000 FT		
(56) MIN LAT UNDERCLEAR LT REF -	000 FT		

NAVIGATION DATA			
(38) NAVIGATION CONTROL - No Navigational Control	CODE	0	
(111)PIER PROTECTION -	CODE		
(39) NAVIGATION VERTICAL CLEARANCE	0		
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR	FT		
(40) NAVIGATION HORIZONTAL CLEARANCE	0 FT		

CLASSIFICATION			
(112)NBIS BRIDGE SYSTEM -			YES
(104)HIGHWAY SYSTEM Is not on NHS			0
(26) FUNCTIONAL CLASS - Minor Collector			08
(100)STRAHNET HIGHWAY - Not a STRAHNET Route			0
(101)PARALLEL STRUCTURE - No Parallel Structure			N
(102)DIRECTION OF TRAFFIC - 2-way Traffic			2
(103)TEMPORARY STRUCTURE - Temporary Structure/Conditions			T
(110)DESIGNATED NATIONAL NETWORK - Not on the National Network			0
(20) TOLL On Free Road			3
(31) MAINTAIN - State Highway Agency			01
(22) OWNER - State Highway Agency			01
(37) HISTORICAL SIGNIFICANCE - Not Eligible			5

CONDITION			
(58) DECK			6
(59) SUPERSTRUCTURE			5
(60) SUBSTRUCTURE			5
(61) CHANNEL & CHANNEL PROTECTION			6
(62) CULVERTS			N

LOAD RATING AND POSTING			
(31) DESIGN LOAD H 15			2
(63) OPERATING RATING METHOD - Load Factor			1
(64) OPERATING RATING - HS-1			1
(65) INVENTORY RATING METHOD - Load Factor			1
(66) INVENTORY RATING - HS-1			1
(70) BRIDGE POSTING - No Posting Required			5
(41) STRUCTURE OPEN, POSTED ,OR CLOSED DESCRIPTION - Open Temporary Shoring			D

APPRAISAL			
(67) STRUCTURAL EVALUATION			3
(68) DECK GEOMETRY			4
(69) UNDERCLEARANCES,VERTI & HORIZ			N
(71) WATERWAY ADEQUACY			7
(72) APPROACH ROADWAY ALIGNMENT			8
(36) TRAFFIC SAFETY FEATURES			0000
(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 1480	(115) YEAR FUTURE ADT	2025	

INSPECTIONS			
(90) INSPECTION DATE			01/10/2017
(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE	
A) FRACTURE CRIT DETAIL - NO		A)	
B) UNDERWATER INSP - YES 24Mo		B)	01/10/2017
C) OTHER SPECIAL INSP NO		C)	
SCOUR			

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 07/06/2017

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
COLUMBUS	6	3	230313	73	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1159	BOGGY BRANCH

LOCATED :	BRIDGE NAME :	CITY :
1.1 MI.N. OF JCT.SR1158		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
08	NFA	NFA	740 2013	LT 241 RT 241

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1955	BMU			H 15

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :	
			TAN.	90	ON 2 UNDER 0	

NAVIGATION :	HT. CRN. TO BED :	WATER DEPTH :
VC 0 FT HC 0 FT 6 FT 3 FT		

SUPERSTRUCTURE :	REINF.CONC.FLOOR ON I-BEAMS
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SUBSTRUCTURE :	E.BTS&INT.BTS:RC CAPS/TIMBER PILES
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SPANS :	1@18'-3"; 2@18'-4"; 1@18'-5"
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BEAMS OR GIRDERS :	11 LINES W12X27 I-BEAMS @ 2'-4 13/16" CENTERS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
5 RC/NO AWS		25.417 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
24 FT	25.5 FT	LT .75 FT RT .75 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-1	HS-1	Int Bm	SV		03/13/1996

SYSTEM :	GREEN LINE ROUTE :
Secondary S.R. Route	N

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 230313

County COLUMBUS

Date: 01/10/2017

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 4 Beam 2: SECTION LOSS 1" WIDE X 1" BACK TOWARD WEB NEAR BEARING AREA AT BENT 3.	
 3314	Maintain Steel Superstructure Components	LF	1	Span 4 Beam 10: EAST FLANGE OVER BENT 3- UP TO 1/4" LOSS OF FLANGE EDGE IN AN AREA 4" LONG AT BEARING	
 3314	Maintain Steel Superstructure Components	LF	1	Span 4 Beam 9: EAST FLANGE OVER BENT 3- 1/4" REMAINING AT FLANGE EDGE IN AREA 4" LONG, TAPERS TO FULL THICKNESS +/- 3/4" FROM FLANGE EDGE.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 230313

County COLUMBUS

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 Maintenance Work Completed	
Submitted Date:	Submitted By:	Assisted By:
01/12/2017	PATRICK G. RUTHERFORD	
Details		
Span 4 Beam 2: SECTION LOSS 1" WIDE X 1" BACK TOWARD WEB NEAR BEARING AREA AT BENT 3.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work Completed	
Submitted Date:	Submitted By:	Assisted By:
01/12/2017	PATRICK G. RUTHERFORD	
Details		
Span 4 Beam 10: EAST FLANGE OVER BENT 3- UP TO 1/4" LOSS OF FLANGE EDGE IN AN AREA 4" LONG AT BEARING		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 230313

County COLUMBUS

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
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Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work Completed	
Submitted Date:	Submitted By:	Assisted By:
01/12/2017	PATRICK G. RUTHERFORD	
Details		
Span 4 Beam 9: EAST FLANGE OVER BENT 3- 1/4" REMAINING AT FLANGE EDGE IN AREA 4" LONG, TAPERS TO FULL THICKNESS +/- 3/4" FROM FLANGE EDGE.		

Structure Data Worksheet

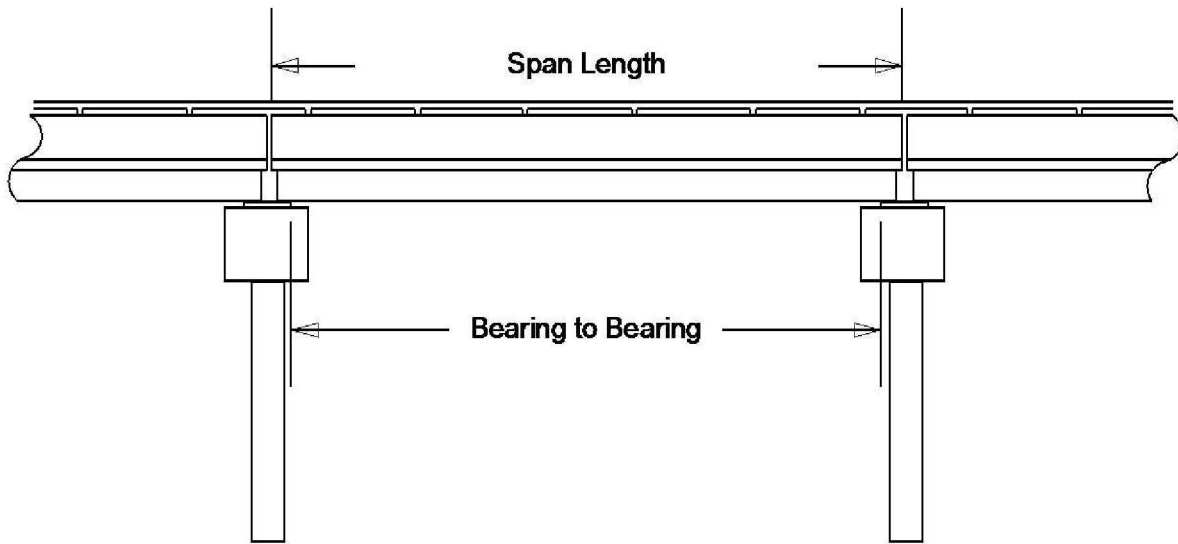
Spans

County: COLUMBUS

Structure No: 230313

Date: 01/10/2017

Inspected By: PGR



Span No	Span Length	Bearing to Bearing	Comments
1	18.25 FT	17.0 FT	
2	18.333 FT	17.5 FT	
3	18.333 FT	17.5 FT	
4	18.417 FT	17.5 FT	NBIS - 71.16'

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 230313 County: COLUMBUS Date: 01/10/2017 By: PGR

Record sounding from top of rail. Other location if needed: _____

Distance from Highwater Mark to top of rail: _____ Location of Highwater Mark: _____

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.5	FILL FACE			
0.01	2.4	TOP OF BULKHEAD			
0.02	5.5	WEWS			
0.025	4	Top of Cap			
0.03	5.6	END BENT 1	0.03	5.9	END BENT 1
6	6.3				
12	6.7				
18	8	BENT 1	18	6.4	
24	8.7				
30	8.6				
36	8.8	BENT 2	36	8.8	BENT 2
42	7.9				
48	6.1				
54	6.2	BENT 3	54	9	BENT 3
60	6.2				
66	5.5				
70	5.5	WEWS	70	6	END BENT 2
70	5.6	END BENT 2			
70.1	4	Top of Cap			
72.01	2.5	TOP OF BULKHEAD			
72.02	2.6	FILL FACE			

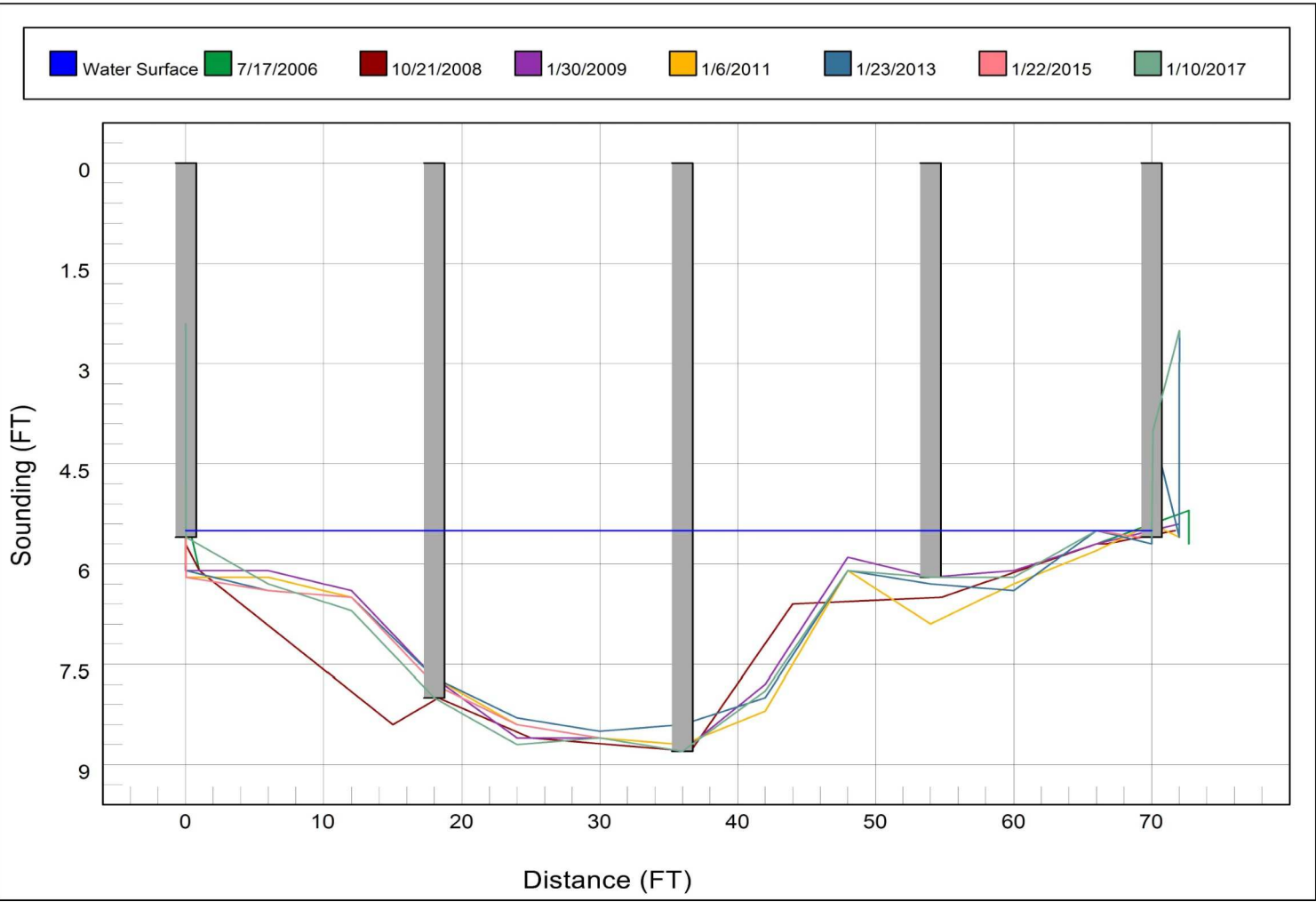
Bridge: 230313

County COLUMBUS

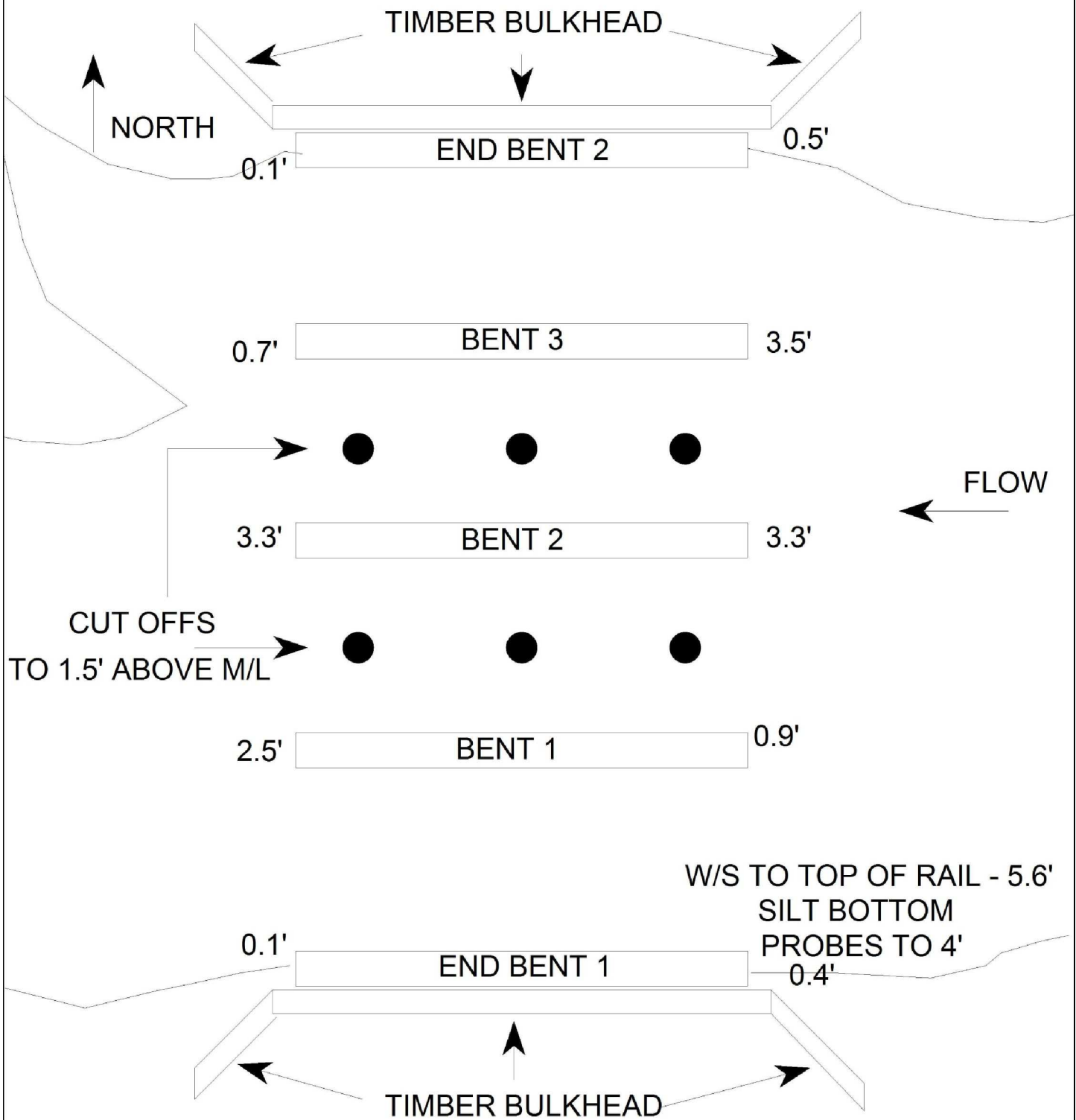
Date: 01/10/2017

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



Title
PLAN VIEW

Description
CHANNEL OVERVIEW

Bridge No: 230313

Drawn By: PGR

Date: 1/10/17

File Name: S0178000465

Bridge Inspection Field Sketch



Roadway	20ft Wide	2 Paved Lanes	Looking North
Left Shoulder	6ft Wide		6ft Unpaved
Right Shoulder	6ft Wide		6ft Unpaved
Left Guardrail			
Right Guardrail			

VERIFIED BY PGR 1/10/17

Title

APPROACH ROADWAY

Description

APPROACH ROADWAY

Bridge No: 230313

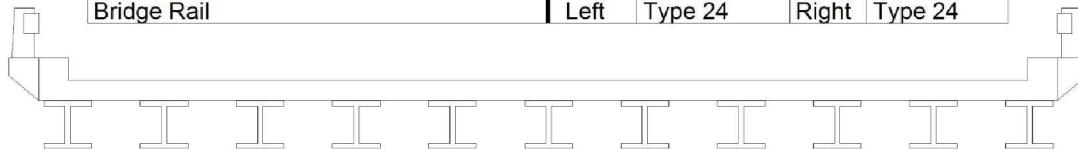
Drawn By: CAA

Date: 10/21/2008

File Name: S0326000048

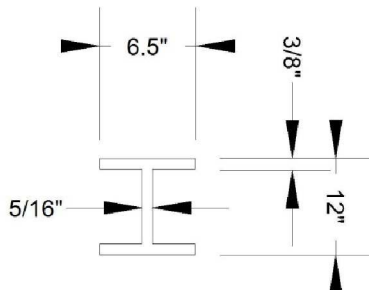
Bridge Inspection Field Sketch

Deck Width/Out to Out	25.417ft	Between Rails	25.5ft
Clear Roadway	24ft	Wearing Surface	
Median Width		Median Height	
Curb Height		Left	0.75ft
Sidewalk Width		Left	
Clear Roadway (Rail to Median)		Left	
Guardrail Width		Left	1.75ft
Top of Rail to Deck/Wearing Surface		Left	2.417ft
Bridge Rail		Left	Type 24



Measurements for Span #	1		
Deck Thickness	0.5	Left Overhang	0.729
Top of Rail to Bottom of Beam	3.833	Right Overhang	0.729

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	ft	
2	Steel I Beam	2.40ft	
3	Steel I Beam	2.40ft	
4	Steel I Beam	2.40ft	
5	Steel I Beam	2.40ft	
6	Steel I Beam	2.40ft	
7	Steel I Beam	2.40ft	
8	Steel I Beam	2.40ft	
9	Steel I Beam	2.40ft	
10	Steel I Beam	2.40ft	
11	Steel I Beam	2.40ft	



TYP. I - BEAM, W12 X 27.0

VERIFIED 1/10/17 BY PGR

Title

TYPICAL SECTION

Description

TYPICAL SECTION

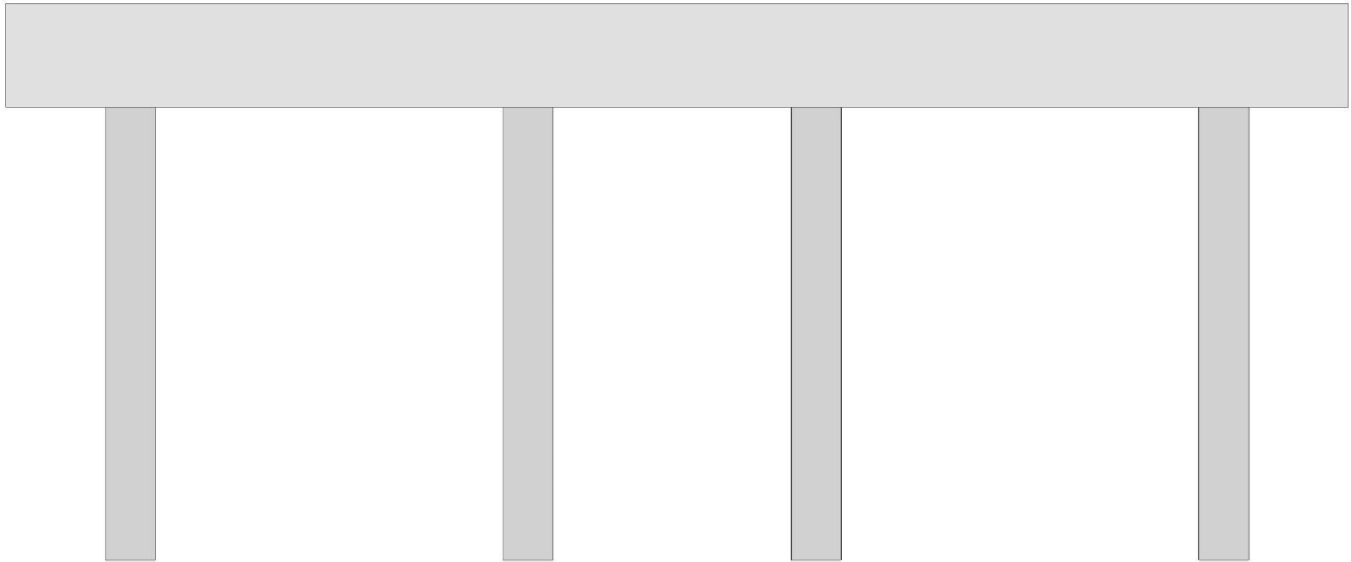
Bridge No: 230313

Drawn By: SLK

Date: 06/08/2006

File Name: S0326000049

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.				
27.000 ft.	1.500 ft.	2.080 ft.	2.500 ft.	2.500 ft.	1.330 ft.	1.330 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	Timber		1 ft.			Vertical	Yes	No	No	No
2	Timber	8 ft.	1 ft.			Vertical	Yes	No	No	No
3	Timber	5.8 ft.	1 ft.			Vertical	Yes	No	No	No
4	Timber	8.2 ft.	1 ft.			Vertical	Yes	No	No	No
VERIFIED BY PGR 1/10/17										
Bent/Abutment #: 1			Similar Bents:							

Title

END BENT 1

Description

SUBSTRUCTURE

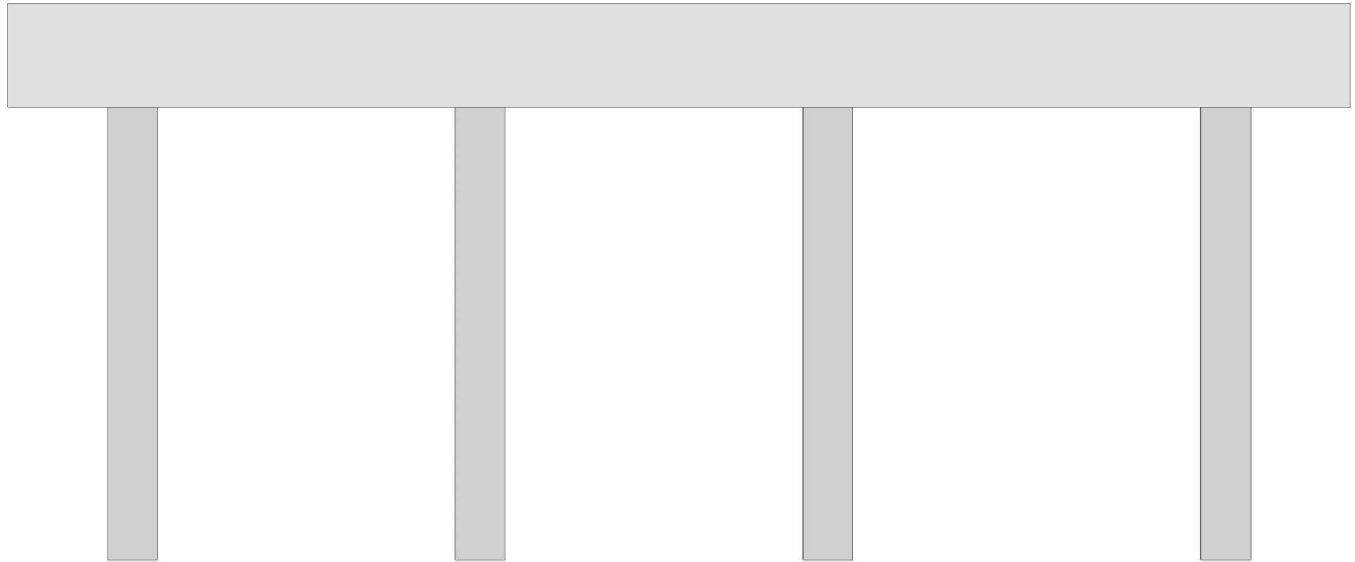
Bridge No: 230313

Drawn By: SLK

Date: 06/08/2006

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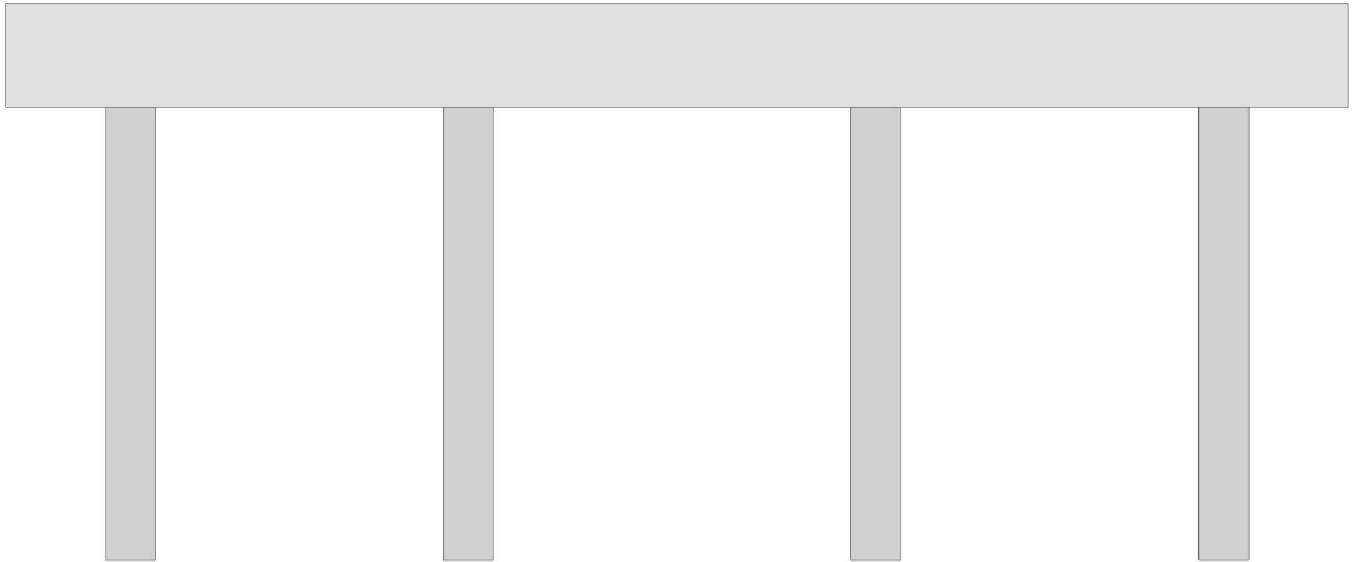
Bridge Inspection Field Sketch



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.				
27 ft.	1.5 ft.	2.08 ft.	2.5 ft.	2.5 ft.	1.33 ft.	1.33 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	Timber		1 ft.			Vertical	Yes	No	No	No
2	Timber	7 ft.	1 ft.			Vertical	Yes	No	No	No
3	Timber	7 ft.	1 ft.			Vertical	Yes	No	No	No
4	Timber	8 ft.	1 ft.			Vertical	Yes	No	No	No
VERIFIED BY PGR 1/10/17										
Bent/Abutment #: 1			Similar Bents:							

Title BENT 1			Description SUBSTRUCTURE		
Bridge No: 230313	Drawn By: WRM	Date: 2/11/2015	File Name: S0174012949		

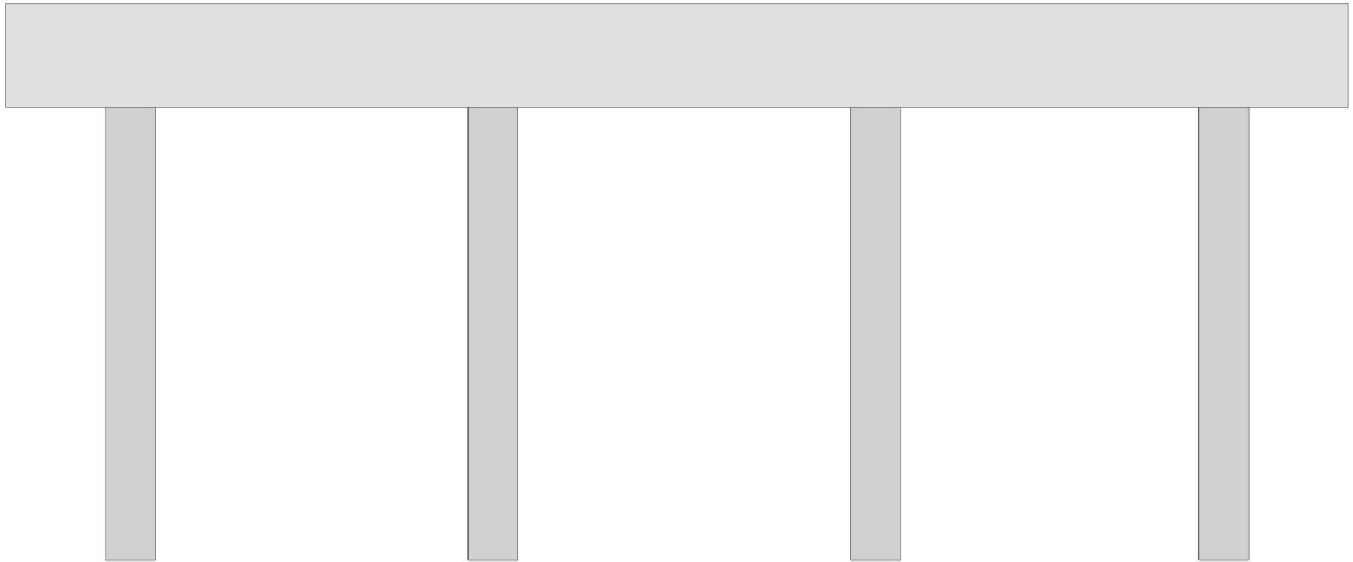
Bridge Inspection Field Sketch



Cap Information			Material Cast-in-Place Concrete							
Length 27 ft.	Width 1.5 ft.	Height 2.08 ft.	Left Overhang 2.5 ft.	Right Overhang 2.5 ft.	Left Beam to End of Cap. 1.33 ft.	Right Beam to End of Cap. 1.33 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	Timber		1 ft.			Vertical	Yes	No	No	No
2	Timber	6.8 ft.	1 ft.			Vertical	Yes	No	No	No
3	Timber	8.2 ft.	1 ft.			Vertical	Yes	No	No	No
4	Timber	7 ft.	1 ft.			Vertical	Yes	No	No	No
VERIFIED BY PGR 1/10/17										
Bent/Abutment #: 2			Similar Bents:							

Title BENT 2			Description SUBSTRUCTURE		
Bridge No: 230313	Drawn By: WRM	Date: 2/11/2015	File Name: S0174012950		

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.				
27 ft.	1.5 ft.	2.08 ft.	2.5 ft.	2.5 ft.	1.33 ft.	1.33 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	Timber		1 ft.			Vertical	Yes	No	No	No
2	Timber	7.3 ft.	1 ft.			Vertical	Yes	No	No	No
3	Timber	7.7 ft.	1 ft.			Vertical	Yes	No	No	No
4	Timber	7 ft.	1 ft.			Vertical	Yes	No	No	No
VERIFIED BY PGR 1/10/17										
Bent/Abutment #: 3			Similar Bents:							

Title
BENT 3

Description
SUBSTRUCTURE

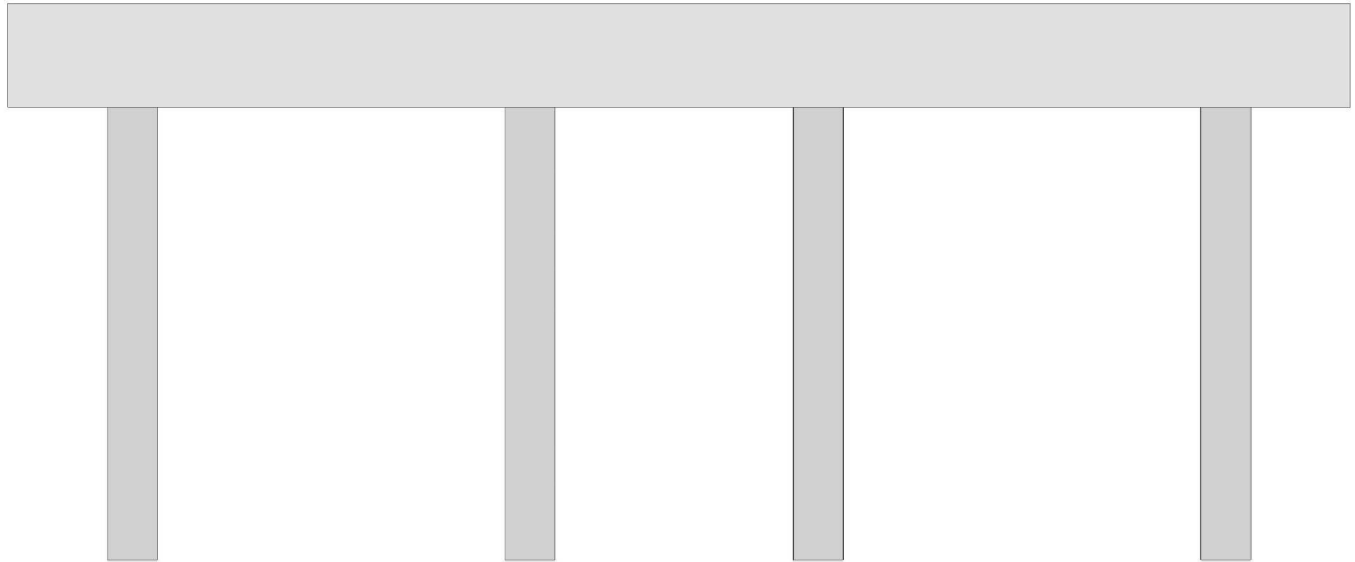
Bridge No: 230313

Drawn By: WRM

Date: 2/11/2015

File Name: S0174012951

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.				
27.000 ft.	1.500 ft.	2.080 ft.	2.500 ft.	2.500 ft.	1.330 ft.	1.330 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	Timber		1 ft.			Vertical	Yes	No	No	No
2	Timber	8 ft.	1 ft.			Vertical	Yes	No	No	No
3	Timber	5.8 ft.	1 ft.			Vertical	Yes	No	No	No
4	Timber	8.2 ft.	1 ft.			Vertical	Yes	No	No	No
VERIFIED BY PGR 1/10/17										
Bent/Abutment #: 2			Similar Bents:							

Title

END BENT 2

Description

SUBSTRUCTURE

Bridge No: 230313

Drawn By: WRM

Date: 2/11/2015

File Name: S0174012952