



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: **PRIORITY MAINTENANCE**

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: JOHNSTON STRUCTURE NUMBER: 500243 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR2123 MILE POST:

LOCATION: 1.5 MI E JCT NC39

FEATURE INTERSECTED: LITTLE RIVER

LATITUDE: 35° 38' 50.13" LONGITUDE: 78° 13' 31.67"

SUPERSTRUCTURE: STEEL PLANK FLOOR/I-BEAMS

SUBSTRUCTURE: E.BTS:TIM.CAPS ON TIM.PILES;BT:RCP&BEAM W/STL.CAP

SPANS: 2 @ 40'
2 @ 40"4.5

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

PRESENT CONDITION: Fair INSPECTION DATE: 07/29/2015

POSTED SV: 31 POSTED TTST: 36

OTHER SIGNS PRESENT: (4) DELINEATORS



WEST APPROACH LOOKING EAST

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>

INSPECTED BY ROBERT PRUETT	SIGNATURE <i>Robert Pruett</i>	ASSISTED BY ALEX WISEMAN
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Span Element Report

Structure Number: 500243

Inspection Date: 07/29/2015

Span Number 1

Span Length 40.375 Feet

Number of Beams/Girders: 8

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	976	976	0	0	0	0	3328
107		Steel Open Girder/Beam	320	0	300	20	0	320	3314
515	107	Steel Protective Coating	1968	1568	0	400	0	400	3342
216		Timber Abutment	53	37	12	4	0	16	3346
228		Timber Pile	4	4	0	0	0	0	3344
235		Timber Pier Cap	26	21	1	4	0	5	3344
316		Other Bearings	16	0	0	16	0	16	3334
515	316	Steel Protective Coating	32	0	0	32	0	32	3342
330		Metal Bridge Railing	82	41	41	0	0	41	3322
510		Wearing Surface	976	0	25	951	0	976	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 2

Span Length 40.375 Feet

Number of Beams/Girders: 8

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
30		Steel Deck Corrugated/Orthotropic/Etc.	976	976	0	0	0	0	3328
107		Steel Open Girder/Beam	320	0	304	16	0	320	3314
515	107	Steel Protective Coating	1976	1576	0	400	0	400	3342
205		Reinforced Concrete Column	2	2	0	0	0	0	3348
216		Timber Abutment	59	53	0	6	0	6	3346
228		Timber Pile	4	4	0	0	0	0	3344
231		Steel Pier Cap	24	24	0	0	0	0	3354
515	231	Steel Protective Coating	170	170	0	0	0	0	3342
235		Timber Pier Cap	26	25	0	1	0	1	3344
316		Other Bearings	16	0	0	16	0	16	3334
515	316	Steel Protective Coating	32	0	0	32	0	32	3342
330		Metal Bridge Railing	82	41	41	0	0	41	3322
510		Wearing Surface	976	0	48	928	0	976	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Superstructure Detailed Element Quantities

Structure Number: 500243

Inspection Date: 07/29/2015

Structure Number: 500243

Inspection Date: 07/29/2015

Span Number 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	976	976	0	0	0	0	3328	☐ Requested
☒ Bridge Rail	1	330	Metal Bridge Railing	41	0	41	0	0	41	3322	☐ Requested
☒ Bridge Rail	2	330	Metal Bridge Railing	41	41	0	0	0	0	3322	☐ Requested
☒ Wearing Surfaces	0	510	Wearing Surface	976	0	25	951	0	976	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	40	0	38	2	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	246	196	0	50	0	50	3342	
☒ Beam	2	107	Steel Open Girder/Beam	40	0	39	1	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	246	196	0	50	0	50	3342	
☒ Beam	3	107	Steel Open Girder/Beam	40	0	39	1	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	246	196	0	50	0	50	3342	
☒ Beam	4	107	Steel Open Girder/Beam	40	0	37	3	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	246	196	0	50	0	50	3342	
☒ Beam	5	107	Steel Open Girder/Beam	40	0	36	4	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	246	196	0	50	0	50	3342	
☒ Beam	6	107	Steel Open Girder/Beam	40	0	35	5	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	246	196	0	50	0	50	3342	
☒ Beam	7	107	Steel Open Girder/Beam	40	0	38	2	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	246	196	0	50	0	50	3342	
☒ Beam	8	107	Steel Open Girder/Beam	40	0	38	2	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	246	196	0	50	0	50	3342	
☒ Bearing Device	1	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	1	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	2	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	2	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	3	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	3	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested

Structure Number: 500243

Inspection Date: 07/29/2015

Span Number 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	4	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	4	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	5	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	5	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	6	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	6	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	7	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	7	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	8	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	8	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	30	Steel Deck Corrugated/Orthotropic/Etc.	976	976	0	0	0	0	3328	☐ Requested
☒ Bridge Rail	1	330	Metal Bridge Railing	41	0	41	0	0	41	3322	☐ Requested
☒ Bridge Rail	2	330	Metal Bridge Railing	41	41	0	0	0	0	3322	☐ Requested
☒ Wearing Surfaces	0	510	Wearing Surface	976	0	48	928	0	976	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	40	0	38	2	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	247	197	0	50	0	50	3342	
☒ Beam	2	107	Steel Open Girder/Beam	40	0	39	1	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	247	197	0	50	0	50	3342	
☒ Beam	3	107	Steel Open Girder/Beam	40	0	39	1	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	247	197	0	50	0	50	3342	
☒ Beam	4	107	Steel Open Girder/Beam	40	0	38	2	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	247	197	0	50	0	50	3342	
☒ Beam	5	107	Steel Open Girder/Beam	40	0	38	2	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	247	197	0	50	0	50	3342	
☒ Beam	6	107	Steel Open Girder/Beam	40	0	36	4	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	247	197	0	50	0	50	3342	
☒ Beam	7	107	Steel Open Girder/Beam	40	0	37	3	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	247	197	0	50	0	50	3342	
☒ Beam	8	107	Steel Open Girder/Beam	40	0	39	1	0	40	3314	☒ Requested
Protective System		515	Steel Protective Coating	247	197	0	50	0	50	3342	
☒ Bearing Device	1	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	1	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	2	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	2	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	3	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	3	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested

Structure Number: 500243

Inspection Date: 07/29/2015

Span Number 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	4	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	4	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	5	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	5	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	6	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	6	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	7	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	7	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	8	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	
☒ Bearing Device	8	316	Other Bearings	1	0	0	1	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	0	2	0	2	3342	

Superstructure Element Defect Descriptions

Structure Number: 500243

Inspection Date: 07/29/2015

Span Number 1

Span	1	Bridge Rail	1	Component Name:	Steel Rail						
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Element: 330 Name Metal Bridge Railing Qty: 41 Lvl 2: 41 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 41

Defect Description:

PEELING PAINT THROUGHOUT THE CURB

Span	1	Wearing Surfaces	0	Component Name:	Asphalt Wearing Surface						
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Element: 510 Name Wearing Surface Qty: 976 Lvl 2: 25 Lvl 3: 951 Lvl 4: 0 Maint. Qty: 976

Defect Description:

10' WIDE X 1'-6" SOUND PATCH IN THE EASTBOUND LANE ALONG THE END BENT 1 JOINT
10' WIDE X 7" LONG AREA OF DELAMINATED ASPHALT IN THE WESTBOUND LANE ALONG THE END BENT 1 JOINT
FULL LENGTH X 1/4" WIDE LONGITUDINAL CRACKS IN THE WESTBOUND LANE AT GREATER THAN 3' SPACING
6' LONG X 1/8" WIDE TRANSVERSE CRACKS AT 1'-3' CENTERS THROUGHOUT THE SPAN

Span	1	Beam	1	Component Name:	Plate Girder						
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Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 38 Lvl 3: 2 Lvl 4: 0 Maint. Qty: 40

Defect Description:

1'-6" LONG X UP TO 8" WIDE AREA OF UP TO 5/16" SECTION LOSS IN THE BOTTOM FLANGE AND 2" HIGH X 1'-6" LONG AREA OF 1/16" SECTION LOSS IN THE WEB AT END BENT 1
5" WIDE X 1'-6" HIGH X 8" LONG TIMBER BLOCK REPAIR BOLTED TO THE WEB AT END BENT 1
SURFACE RUST AND PEELING PAINT THROUGHOUT THE INTERMEDIATE DIAPHRAGMS
SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span	1	Beam	2	Component Name:	Plate Girder						
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Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 39 Lvl 3: 1 Lvl 4: 0 Maint. Qty: 40

Defect Description:

1'-0" LONG X UP TO 8" WIDE AREA OF UP TO 3/16" SECTION LOSS IN THE BOTTOM FLANGE AT END BENT 1
SURFACE RUST AND PEELING PAINT THROUGHOUT THE INTERMEDIATE DIAPHRAGMS
SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span	1	Beam	3	Component Name:	Plate Girder						
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Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 39 Lvl 3: 1 Lvl 4: 0 Maint. Qty: 40

Defect Description:

1'-0" LONG X UP TO 8" WIDE AREA OF UP TO 5/16" SECTION LOSS IN THE BOTTOM FLANGE AT END BENT 1
5" WIDE X 1'-6" HIGH X 8" LONG TIMBER BLOCK REPAIR BOLTED TO THE WEB AT END BENT 1
SURFACE RUST AND PEELING PAINT THROUGHOUT THE INTERMEDIATE DIAPHRAGMS
SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span	1	Beam	4	Component Name:	Plate Girder						
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Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 37 Lvl 3: 3 Lvl 4: 0 Maint. Qty: 40

Defect Description:

2'-6" LONG X UP TO 8" WIDE AREA OF UP TO 7/16" SECTION LOSS IN THE BOTTOM FLANGE AT END BENT 1
SURFACE RUST AND PEELING PAINT THROUGHOUT THE INTERMEDIATE DIAPHRAGMS
SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span	1	Beam	5	Component Name:	Plate Girder						
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Element: 107 Name Steel Open Girder/Beam Qty: 40 Lvl 2: 36 Lvl 3: 4 Lvl 4: 0 Maint. Qty: 40

Defect Description:

1'-6" LONG X UP TO 8" WIDE AREA OF UP TO 1/2" SECTION LOSS IN THE BOTTOM FLANGE AT END BENT 1
1'-6" LONG X UP TO 8" WIDE AREA OF UP TO 3/16" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 5 IN SPAN 1, 1'-6" FROM BENT 1
5" WIDE X 1'-6" HIGH X 8" LONG TIMBER BLOCK REPAIR BOLTED TO THE WEB AT END BENT 1
SURFACE RUST AND PEELING PAINT THROUGHOUT THE INTERMEDIATE DIAPHRAGMS
SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span 1	Beam 6	Component Name: Plate Girder										
Element: 107	Name Steel Open Girder/Beam	Qty: 40	Lvl 2: 35	Lvl 3: 5	Lvl 4: 0	Maint. Qty: 40						
Defect Description:												

1'-6" LONG X UP TO 8" WIDE AREA OF UP TO 1/4" SECTION LOSS IN THE BOTTOM FLANGE AT END BENT 1
 3'-0" LONG X UP TO 8" WIDE AREA OF UP TO 3/16" SECTION LOSS IN THE BOTTOM FLANGE AT BENT 1
 5" WIDE X 1'-6" HIGH X 8" LONG TIMBER BLOCK REPAIR BOLTED TO THE WEB AT END BENT 1
 SURFACE RUST AND PEELING PAINT THROUGHOUT THE INTERMEDIATE DIAPHRAGMS
 SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span 1	Beam 7	Component Name: Plate Girder										
Element: 107	Name Steel Open Girder/Beam	Qty: 40	Lvl 2: 38	Lvl 3: 2	Lvl 4: 0	Maint. Qty: 40						
Defect Description:												

1'-8" LONG X UP TO 8" WIDE AREA OF UP TO 3/8" SECTION LOSS IN THE BOTTOM FLANGE AT END BENT 1
 SURFACE RUST AND PEELING PAINT THROUGHOUT THE INTERMEDIATE DIAPHRAGMS
 SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span 1	Beam 8	Component Name: Plate Girder										
Element: 107	Name Steel Open Girder/Beam	Qty: 40	Lvl 2: 38	Lvl 3: 2	Lvl 4: 0	Maint. Qty: 40						
Defect Description:												

1'-6" LONG X UP TO 8" WIDE AREA OF UP TO 5/16" SECTION LOSS IN THE BOTTOM FLANGE AT END BENT 1
 5" WIDE X 1'-6" HIGH X 8" LONG TIMBER BLOCK REPAIR BOLTED TO THE WEB AT END BENT 1
 SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span 1		Bearing Device 1		Component Name:		Other Bearing							
Element: 316		Name Other Bearings		Qty: 1		Lvl 2: 0		Lvl 3 1		Lvl 4 0		Maint. Qty 1	
Defect Description:													

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span 1	Bearing Device 1	Component Name:				Other Bearing				
Element: 316	Name Other Bearings	Qty: 1	Lvl 2: 0	Lvl 3: 1	Lvl 4: 0	Maint. Qty: 1				
Defect Description:										

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span 1		Bearing Device 2		Component Name:		Other Bearing							
Element: 316		Name Other Bearings		Qty:	1	Lvl 2:	0	Lvl 3	1	Lvl 4	0	Maint. Qty	1
Defect Description:													

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span 1	Bearing Device	2	Component Name:			Other Bearing						
Element: 316	Name	Other Bearings	Qty:	1	Lvl 2:	0	Lvl 3	1	Lvl 4	0	Maint. Qty	1
Defect Description:												

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span 1	Bearing Device	3	Component Name:				Other Bearing					
Element: 316	Name	Other Bearings	Qty:	1	Lvl 2:	0	Lvl 3	1	Lvl 4	0	Maint. Qty	1
Defect Description:												

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span 1	Bearing Device	3	Component Name:			Other Bearing						
Element: 316	Name	Other Bearings	Qty:	1	Lvl 2:	0	Lvl 3	1	Lvl 4	0	Maint. Qty	1
Defect Description:												

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span 1		Bearing Device		4		Component Name:		Other Bearing																	
Element: 316		Name		Other Bearings		Qty:		1		Lvl 2:		0		Lvl 3		1		Lvl 4		0		Maint. Qty		1	
Defect Description:																									

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span 1	Bearing Device 4	Component Name:	Other Bearing						
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Element: 316 **Name** Other Bearings **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span 1	Bearing Device 5	Component Name:	Other Bearing						
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Element: 316 **Name** Other Bearings **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span 1	Bearing Device 5	Component Name:	Other Bearing						
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Element: 316 **Name** Other Bearings **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span 1	Bearing Device 6	Component Name:	Other Bearing						
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Element: 316 **Name** Other Bearings **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span 1	Bearing Device 6	Component Name:	Other Bearing						
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Element: 316 **Name** Other Bearings **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span 1	Bearing Device 7	Component Name:	Other Bearing						
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Element: 316 **Name** Other Bearings **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span 1	Bearing Device 7	Component Name:	Other Bearing						
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Element: 316 **Name** Other Bearings **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span 1	Bearing Device 8	Component Name:	Other Bearing						
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Element: 316 **Name** Other Bearings **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span 1	Bearing Device 8	Component Name:	Other Bearing						
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Element: 316 **Name** Other Bearings **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span Number 2

Span 2	Bridge Rail 1	Component Name:	Steel Rail						
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Element: 330 **Name** Metal Bridge Railing **Qty:** 41 **Lvl 2:** 41 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 41

Defect Description:

PEELING PAINT THROUGHOUT THE CURB

Span 2	Wearing Surfaces 0	Component Name:	Asphalt Wearing Surface						
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Element: 510 **Name** Wearing Surface **Qty:** 976 **Lvl 2:** 48 **Lvl 3** 928 **Lvl 4** 0 **Maint. Qty** 976

Defect Description:

FULL LENGTH X 1/4" WIDE LONGITUDINAL CRACKS IN THE WESTBOUND LANE AT GREATER THAN 3' SPACING
 24' WIDE X 2' LONG AREA OF DELAMINATED ASPHALT ALONG THE BENT 1 JOINT
 6' LONG X 1/8" WIDE TRANSVERSE CRACKS AT 1'-3' CENTERS THROUGHOUT THE SPAN
 2'-0" WIDE X 2'-0" SOUND PATCH IN THE WESTBOUND LANE ALONG THE END BENT 2 JOINT
 10' LONG X 1/4" WIDE TRANSVERSE CRACK IN THE EASTBOUND LANE ALONG THE END BENT 2 JOINT

Span	2	Beam	1	Component Name: Plate Girder								
Element: 107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	38	Lvl 3	2	Lvl 4	0 Maint. Qty	40	
Defect Description:												

2'-0" LONG X UP TO 8" WIDE AREA OF UP TO 5/16" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 1 IN SPAN 2, 2' FROM BENT 1
 5" WIDE X 1'-6" HIGH X 8" LONG TIMBER BLOCK REPAIR BOLTED TO THE WEB AT END BENT 1
 SURFACE RUST AND PEELING PAINT THROUGHOUT THE INTERMEDIATE DIAPHRAGMS
 SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span	2	Beam	2	Component Name:					Plate Girder					
Element:	107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	39	Lvl 3	1	Lvl 4	0	Maint. Qty	40	
Defect Description:														

6" LONG X UP TO 8" WIDE AREA OF UP TO 3/16" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 2 IN SPAN 2 AT BENT 1
 SURFACE RUST AND PEELING PAINT THROUGHOUT THE INTERMEDIATE DIAPHRAGMS
 SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span	2	Beam	3	Component Name:		Plate Girder						
Element:	107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	39	Lvl 3	1	Lvl 4	0 Maint. Qty	40
Defect Description:												

1'-0" LONG X UP TO 8" WIDE AREA OF UP TO 3/16" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 3 IN SPAN 2 AT END BENT 2
 5" WIDE X 1'-6" HIGH X 8" LONG TIMBER BLOCK REPAIR BOLTED TO THE WEB AT END BENT 1
 SURFACE RUST AND PEELING PAINT THROUGHOUT THE INTERMEDIATE DIAPHRAGMS
 SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span	2	Beam	4	Component Name:		Plate Girder						
Element:	107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	38	Lvl 3	2	Lvl 4	0 Maint. Qty	40
Defect Description:												

2'-0" LONG X UP TO 8" WIDE AREA OF UP TO 3/8" SECTION LOSS IN THE BOTTOM FLANGE AND 2" HIGH X 2' LONG AREA OF 1/16" SECTION LOSS IN THE WEB OF BEAM 4 AT END BENT 2
 SURFACE RUST AND PEELING PAINT THROUGHOUT THE INTERMEDIATE DIAPHRAGMS
 SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span	2	Beam	5	Component Name:				Plate Girder				
Element:	107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	38	Lvl 3	2	Lvl 4	0 Maint. Qty	40
Defect Description:												

2'-0" LONG X UP TO 8" WIDE AREA OF UP TO 3/16" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 5 IN SPAN 2 AT BENT 1
 5" WIDE X 1'-6" HIGH X 8" LONG TIMBER BLOCK REPAIR BOLTED TO THE WEB AT END BENT 1
 SURFACE RUST AND PEELING PAINT THROUGHOUT THE INTERMEDIATE DIAPHRAGMS
 SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span	2	Beam	6	Component Name:		Plate Girder						
Element:	107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	36	Lvl 3	4	Lvl 4	0 Maint. Qty	40
Defect Description:												

3'-0" LONG X UP TO 8" WIDE AREA OF UP TO 1/4" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 6 IN SPAN 2 AT BENT 1
 1'-0" LONG X UP TO 8" WIDE AREA OF UP TO 3/8" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 6 AT END BENT 2
 5" WIDE X 1'-6" HIGH X 8" LONG TIMBER BLOCK REPAIR BOLTED TO THE WEB AT END BENT 1
 SURFACE RUST AND PEELING PAINT THROUGHOUT THE INTERMEDIATE DIAPHRAGMS
 SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span	2	Beam	7	Component Name:		Plate Girder						
Element:	107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	37	Lvl 3	3	Lvl 4	0 Maint. Qty	40
Defect Description:												

3'-0" LONG X UP TO 8" WIDE AREA OF UP TO 5/16" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 7 AT END

BENT 2

SURFACE RUST AND PEELING PAINT THROUGHOUT THE INTERMEDIATE DIAPHRAGMS

SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span	2	Beam	8	Component Name:	Plate Girder						
Element:	107	Name	Steel Open Girder/Beam	Qty:	40	Lvl 2:	39	Lvl 3	1	Lvl 4	0 Maint. Qty
Defect Description:											

1'-0" LONG X UP TO 8" WIDE AREA OF UP TO 1/4" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 8 AT END BENT 2

5" WIDE X 1'-6" HIGH X 8" LONG TIMBER BLOCK REPAIR BOLTED TO THE WEB AT END BENT 1

SURFACE RUST IN THE FLANGES AND WEB THROUGHOUT THE FULL LENGTH OF THE BEAM WITH 20% PAINT LOSS

Span	2	Bearing Device	1	Component Name:	Other Bearing						
Element:	316	Name	Other Bearings	Qty:	1	Lvl 2:	0	Lvl 3	1	Lvl 4	0 Maint. Qty
Defect Description:											

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span	2	Bearing Device	1	Component Name:	Other Bearing						
Element:	316	Name	Other Bearings	Qty:	1	Lvl 2:	0	Lvl 3	1	Lvl 4	0 Maint. Qty
Defect Description:											

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span	2	Bearing Device	2	Component Name:	Other Bearing						
Element:	316	Name	Other Bearings	Qty:	1	Lvl 2:	0	Lvl 3	1	Lvl 4	0 Maint. Qty
Defect Description:											

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span	2	Bearing Device	2	Component Name:	Other Bearing						
Element:	316	Name	Other Bearings	Qty:	1	Lvl 2:	0	Lvl 3	1	Lvl 4	0 Maint. Qty
Defect Description:											

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span	2	Bearing Device	3	Component Name:	Other Bearing						
Element:	316	Name	Other Bearings	Qty:	1	Lvl 2:	0	Lvl 3	1	Lvl 4	0 Maint. Qty
Defect Description:											

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span	2	Bearing Device	3	Component Name:	Other Bearing						
Element:	316	Name	Other Bearings	Qty:	1	Lvl 2:	0	Lvl 3	1	Lvl 4	0 Maint. Qty
Defect Description:											

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span	2	Bearing Device	4	Component Name:	Other Bearing						
Element:	316	Name	Other Bearings	Qty:	1	Lvl 2:	0	Lvl 3	1	Lvl 4	0 Maint. Qty
Defect Description:											

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span	2	Bearing Device	4	Component Name:	Other Bearing						
Element:	316	Name	Other Bearings	Qty:	1	Lvl 2:	0	Lvl 3	1	Lvl 4	0 Maint. Qty
Defect Description:											

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span	2	Bearing Device	5	Component Name:	Other Bearing						
Element:	316	Name	Other Bearings	Qty:	1	Lvl 2:	0	Lvl 3	1	Lvl 4	0 Maint. Qty
Defect Description:											

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span	2	Bearing Device	5	Component Name:	Other Bearing						
Element:	316	Name	Other Bearings	Qty:	1	Lvl 2:	0	Lvl 3	1	Lvl 4	0 Maint. Qty
Defect Description:											

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span	2	Bearing Device	6	Component Name:	Other Bearing				
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Element: 316 **Name** Other Bearings **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span	2	Bearing Device	6	Component Name:	Other Bearing				
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Element: 316 **Name** Other Bearings **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span	2	Bearing Device	7	Component Name:	Other Bearing				
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Element: 316 **Name** Other Bearings **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span	2	Bearing Device	7	Component Name:	Other Bearing				
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Element: 316 **Name** Other Bearings **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span	2	Bearing Device	8	Component Name:	Other Bearing				
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Element: 316 **Name** Other Bearings **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Span	2	Bearing Device	8	Component Name:	Other Bearing				
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Element: 316 **Name** Other Bearings **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

DELAMINATED STEEL ON BEARINGS AND ANCHOR BOLTS WITH 100% PAINT LOSS

Substructure Detailed Element Quantities

Structure Number: 500243

Inspection Date: 07/29/2015

End Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	235	Timber Pier Cap	26	21	1	4	0	5	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Abutments	1	216	Timber Abutment	53	37	12	4	0	16	3346	☐ Requested

Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	231	Steel Pier Cap	24	24	0	0	0	0	3354	☐ Requested
☒ Piles and Columns	1	205	Reinforced Concrete Column	1	1	0	0	0	0	3348	☐ Requested
☒ Piles and Columns	2	205	Reinforced Concrete Column	1	1	0	0	0	0	3348	☐ Requested
☒ Caps	1	515	Steel Protective Coating	170	170	0	0	0	0	3342	☐ Requested

End Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	235	Timber Pier Cap	26	25	0	1	0	1	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Abutments	1	216	Timber Abutment	59	53	0	6	0	6	3346	☐ Requested

Substructure Element Defect Descriptions

Structure Number: 500243

Inspection Date: 07/29/2015

End Bent 1

End Bent 1	Row 1	Caps	1									
Element: 235	Name	Timber Pier Cap	Qty:	26	Lvl 2:	1	Lvl 3	4	Lvl 4	0	Maint. Qty	5
Defect Description:												
4' LONG X UP TO 1/4" WIDE HORIZONTAL CRACK IN THE EAST FACE BETWEEN PILES 2 AND 3												
2 1/2" WIDE X 3" HIGH X 2" DEEP AREA OF DECAY AT THE NORTH END												

End Bent 1	Row 1	Abutments	1
Element: 216	Name Timber Abutment	Qty: 53	Lvl 2: 12 Lvl 3: 4 Lvl 4: 0 Maint. Qty: 16
Defect Description:			
1'-0" LONG X 1'-8" HIGH X 3" DEEP AREA OF DECAY AT THE NORTH END			
11' LONG X 2' HIGH X 3" DEEP AREA OF DECAY AT THE NORTH END			
2' LONG X 10" HIGH X 3 1/2" DEEP DECAYED AREA AT THE SOUTH END			
2' LONG X 4" HIGH X 3 1/2" DEEP DECAYED AREA AT THE SOUTH END BETWEEN THE SOLDIER PILES			

End Bent 2	Row 1	Caps	1									
Element: 235	Name	Timber Pier Cap	Qty:	26	Lvl 2:	0	Lvl 3	1	Lvl 4	0	Maint. Qty	1
Defect Description:												
10" DEEP X 2 1/2" WIDE X 5" HIGH AREA OF DECAY IN THE SOUTH END												

End Bent 2	Row 1	Abutments	1
Element: 216	Name Timber Abutment	Qty: 59	Lvl 2: 0 Lvl 3: 6 Lvl 4: 0 Maint. Qty: 6
Defect Description:			
1'-6" LONG X 6" HIGH X 3 1/2" DEEP AREA OF DECAY WITH EXPOSED FILL AT THE SOUTH END 4' LONG X 10" HIGH X 3 1/2" DEEP DECAYED AREA AT THE NORTH END			

National Bridge and NC Inspection Items

Structure Number: 500243

Inspection Date: 07/29/2015

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	6
Item 61: Channel and Channel Protection	0 - 9 , N	7
Item 62: Culvert	0 - 9 , N	
Item 71: Waterway Adequacy	0 - 9 , N	7
Item 72: Approach Roadway Alignment	0 - 9 , N	6

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	G	0	3352
Wingwall	G, F, P, or C		0	3350
Scour	G, F, P, or C	G		
Field Scour Evaluation		G		
Drift	G, F, P, or C	F	8	3366
Fender System	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	10		

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	8
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 500243

Inspection Date: 07/29/2015

Item	Drift
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Grade F

Maint Code 3366

Qty. 8

Details DRIFT ALONG THE UPSTREAM SIDE OF COLUMN 1 OF BENT 1



Span 1 Wearing Surface: 10' WIDE X 1'-6" SOUND PATCH IN THE EASTBOUND LANE



Span 1 Wearing Surface: 10' WIDE X 7" LONG AREA OF DELAMINATED ASPHALT IN THE WESTBOUND LANE
ALONG THE END BENT 1 JOINT



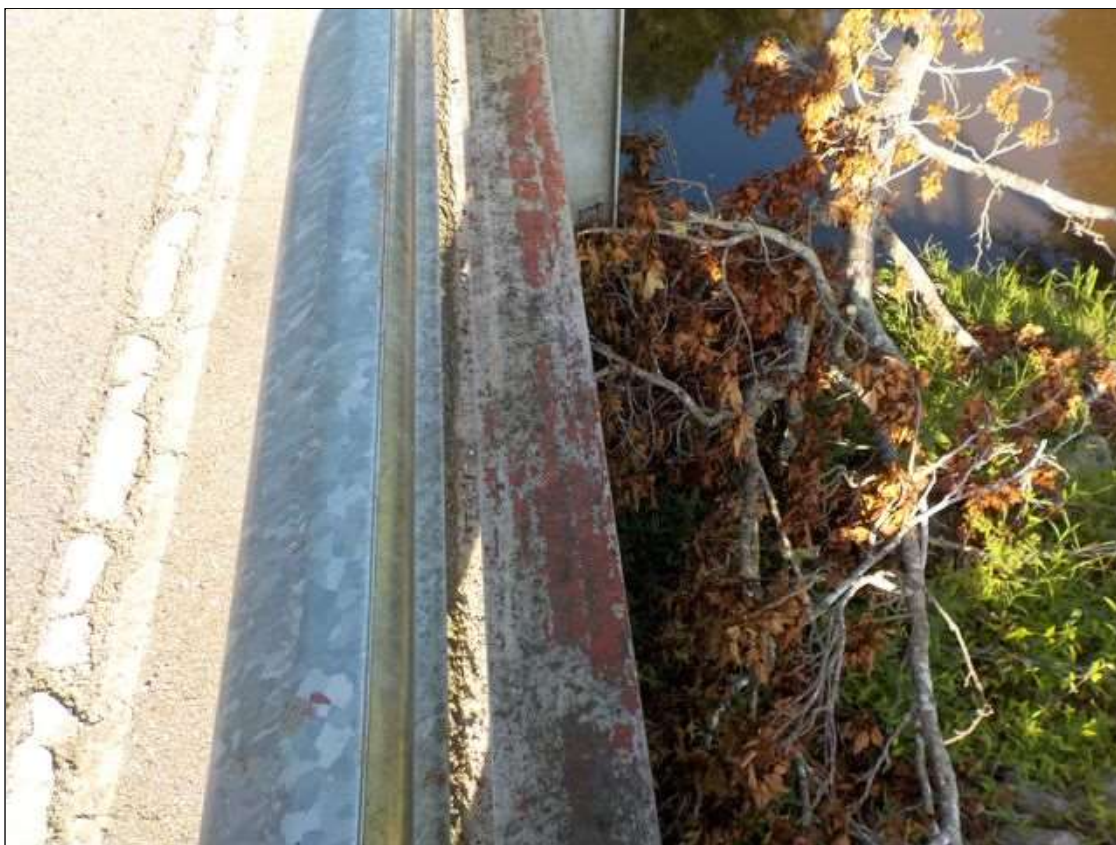
Span 1 Wearing Surface: FULL LENGTH X 1/4" WIDE LONGITUDINAL CRACKS IN THE WESTBOUND LANE AT GREATER THAN 3' SPACING



Span 2 Wearing Surface: 24' WIDE X 2' LONG AREA OF DELAMINATED ASPHALT ALONG THE BENT 1 JOINT



Span 2 Wearing Surface: 6' LONG X 1/8" WIDE TRANSVERSE CRACKS AT 1'-3' CENTERS THROUGHOUT THE SPAN



Span 2 Left Bridge Rail: PEELING PAINT THROUGHOUT THE CURB



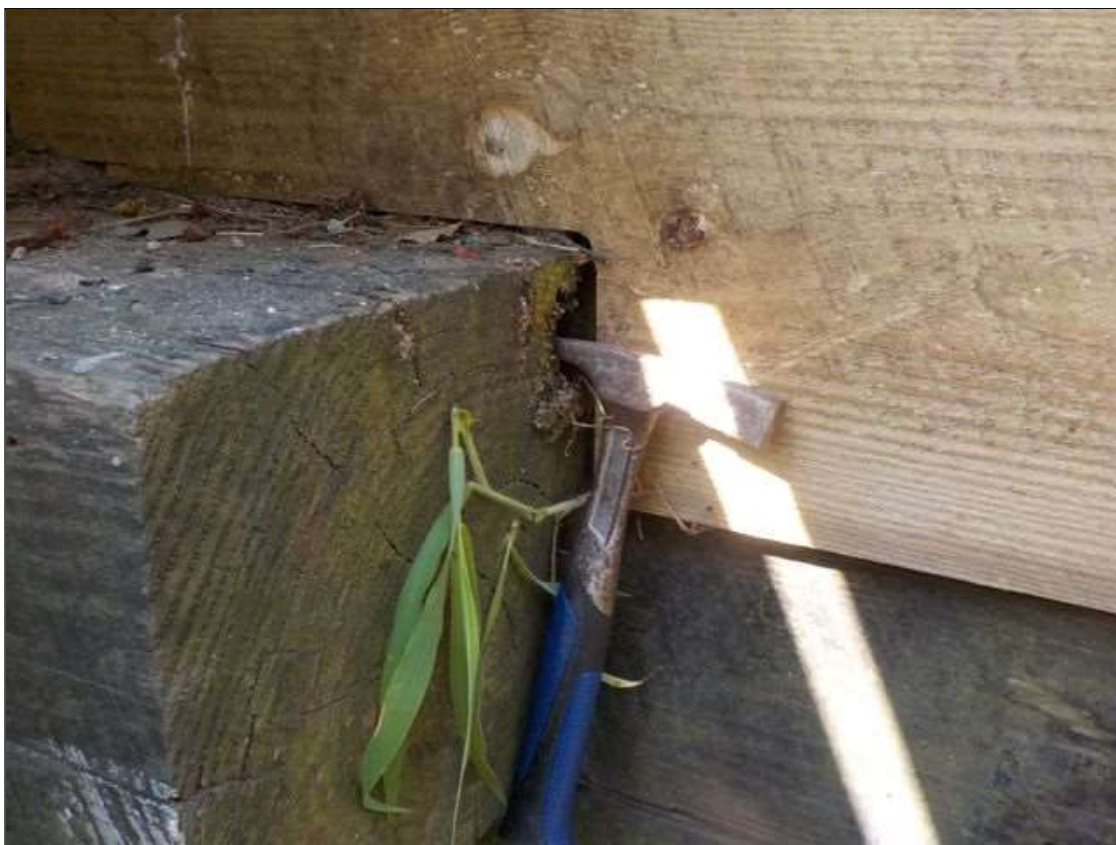
Span 2 Wearing Surface: 2'-0" WIDE X 2'-0" SOUND PATCH IN THE WESTBOUND LANE ALONG THE END BENT 2 JOINT



Span 2 Wearing Surface: 10' LONG X 1/4" WIDE TRANSVERSE CRACK IN THE EASTBOUND LANE ALONG THE END BENT 2 JOINT



End Bent 1 Cap : 4' LONG X UP TO 1/4" WIDE HORIZONTAL CRACK IN THE EAST FACE BETWEEN PILES 2 AND 3



End Bent 1 Cap : 2 1/2" WIDE X 3" HIGH X 2" DEEP AREA OF DECAY AT THE NORTH END



End Bent 1 Abutment/Backwall : 1'-0" LONG X 1'-8" HIGH X 3" DEEP AREA OF DECAY AT THE NORTH END



End Bent 1 Abutment/Backwall : 11' LONG X 2' HIGH X 3" DEEP AREA OF DECAY AT THE NORTH END



End Bent 2 Abutment/Backwall : 1'-6" LONG X 6" HIGH X 3 1/2" DEEP AREA OF DECAY WITH EXPOSED FILL AT THE SOUTH END



End Bent 2 Cap : 10" DEEP X 2 1/2" WIDE X 5" HIGH AREA OF DECAY IN THE SOUTH END



Span 1 Beam 8: 1'-6" LONG X UP TO 8" WIDE AREA OF UP TO 5/16" SECTION LOSS IN THE BOTTOM FLANGE AT END BENT 1



Span 1 Beam 7: 1'-8" LONG X UP TO 8" WIDE AREA OF UP TO 3/8" SECTION LOSS IN THE BOTTOM FLANGE AT END BENT 1



Span 1 Beam 6: 1'-6" LONG X UP TO 8" WIDE AREA OF UP TO 1/4" SECTION LOSS IN THE BOTTOM FLANGE AT
END BENT 1



Span 1 Beam 5: 1'-6" LONG X UP TO 8" WIDE AREA OF UP TO 1/2" SECTION LOSS IN THE BOTTOM FLANGE AT
END BENT 1



Span 1 Beam 4: 2'-6" LONG X UP TO 8" WIDE AREA OF UP TO 7/16" SECTION LOSS IN THE BOTTOM FLANGE AT END BENT 1



Span 1 Beam 3: 1'-0" LONG X UP TO 8" WIDE AREA OF UP TO 5/16" SECTION LOSS IN THE BOTTOM FLANGE AT END BENT 1



Span 1 Beam 2: 1'-0" LONG X UP TO 8" WIDE AREA OF UP TO 3/16" SECTION LOSS IN THE BOTTOM FLANGE AT END BENT 1



Span 1 Beam 1: 1'-6" LONG X UP TO 8" WIDE AREA OF UP TO 5/16" SECTION LOSS IN THE BOTTOM FLANGE AND 2" HIGH X 1'-6" LONG AREA OF 1/16" SECTION LOSS IN THE WEB AT END BENT 1



Span 1 Beam 6: 3'-0" LONG X UP TO 8" WIDE AREA OF UP TO 3/16" SECTION LOSS IN THE BOTTOM FLANGE AT BENT 1



Span 2 Beam 6: 3'-0" LONG X UP TO 8" WIDE AREA OF UP TO 1/4" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 6 IN SPAN 2 AT BENT 1



Span 2 Beam 5: 2'-0" LONG X UP TO 8" WIDE AREA OF UP TO 3/16" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 5 IN SPAN 2 AT BENT 1



Span 1 Beam 5: 1'-6" LONG X UP TO 8" WIDE AREA OF UP TO 3/16" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 5 IN SPAN 1, 1'-6" FROM BENT 1



Span 2 Beam 2: 6" LONG X UP TO 8" WIDE AREA OF UP TO 3/16" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 2 IN SPAN 2 AT BENT 1



Span 2 Beam 1: 2'-0" LONG X UP TO 8" WIDE AREA OF UP TO 5/16" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 1 IN SPAN 2, 2' FROM BENT 1



Span 2 Beam 3: 1'-0" LONG X UP TO 8" WIDE AREA OF UP TO 3/16" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 3 IN SPAN 2 AT END BENT 2



Span 2 Beam 4: 2'-0" LONG X UP TO 8" WIDE AREA OF UP TO 3/8" SECTION LOSS IN THE BOTTOM FLANGE AND 2" HIGH X 2' LONG AREA OF 1/16" SECTION LOSS IN THE WEB OF BEAM 4 AT END BENT 2



Span 2 Beam 6: 1'-0" LONG X UP TO 8" WIDE AREA OF UP TO 3/8" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 6 AT END BENT 2



Span 2 Beam 7: 3'-0" LONG X UP TO 8" WIDE AREA OF UP TO 5/16" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 7 AT END BENT 2



Span 2 Beam 8: 1'-0" LONG X UP TO 8" WIDE AREA OF UP TO 1/4" SECTION LOSS IN THE BOTTOM FLANGE OF BEAM 8 AT END BENT 2



End Bent 1 Abutment/Backwall : 2' LONG X 10" HIGH X 3 1/2" DEEP DECAYED AREA AT THE SOUTH END



End Bent 1 Abutment/Backwall : 2' LONG X 4" HIGH X 3 1/2" DEEP DECAYED AREA AT THE SOUTH END
BETWEEN THE SOLDIER PILES



SURFACE RUST AND PEELING PAINT THROUGHOUT THE INTERMEDIATE DIAPHRAGMS IN BAY 6 OF SPAN 2
(OTHERS SIMILAR)



DELAMINATED ANCHOR BOLTS ON BEAM 7 AT BENT 1 (OTHERS SIMILAR)



End Bent 2 Abutment/Backwall : 4' LONG X 10" HIGH X 3 1/2" DEEP DECAYED AREA AT THE NORTH END



DRIFT ALONG THE UPSTREAM SIDE OF COLUMN 1 OF BENT 1



SOUTHWEST GUARD RAIL END TREATMENT (OTHERS SIMILAR)



WEST APPROACH LOOKING EAST



SOUTHWEST WEIGHT LIMIT SIGN (OTHERS SIMILAR)



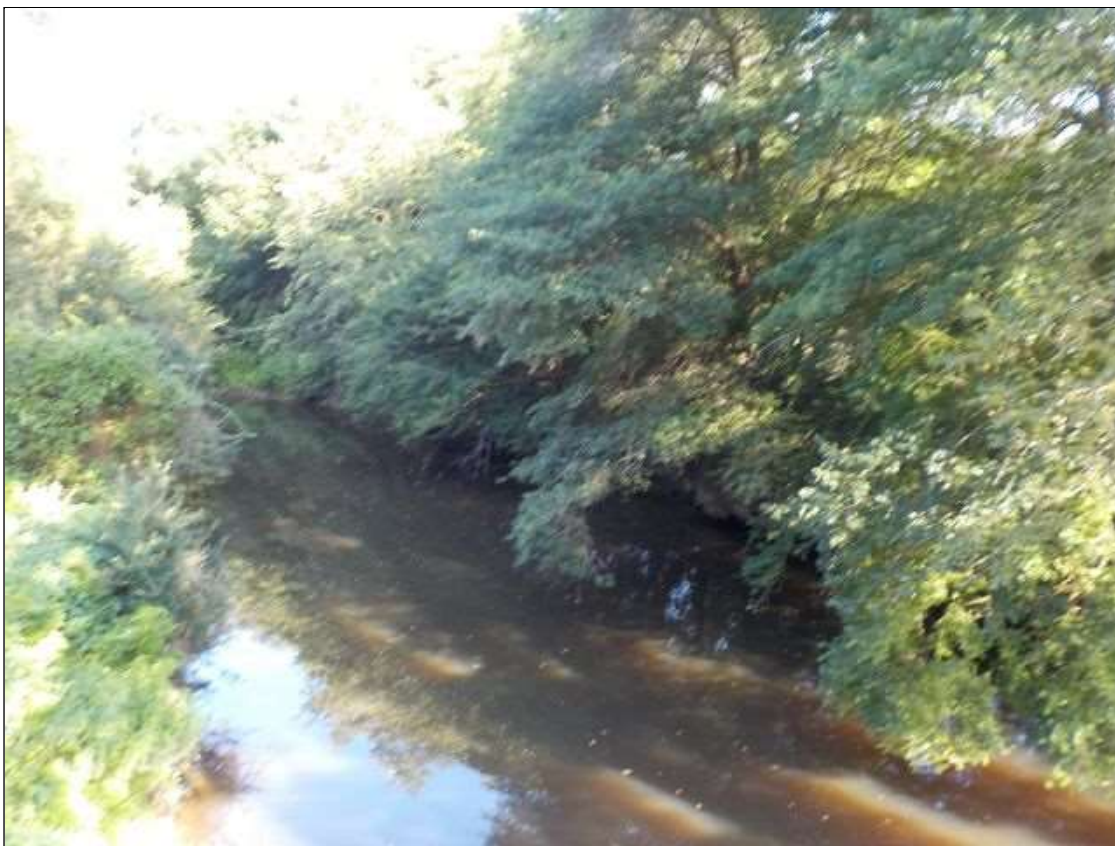
SOUTHWEST GUARD RAIL - BRIDGE RAIL TRANSITION (OTHERS SIMILAR)



NORTH BRIDGE RAIL (SOUTH SIMILAR)



LOOKING DOWNSTREAM SOUTH



LOOKING UPSTREAM NORTH



EAST APPROACH LOOKING WEST



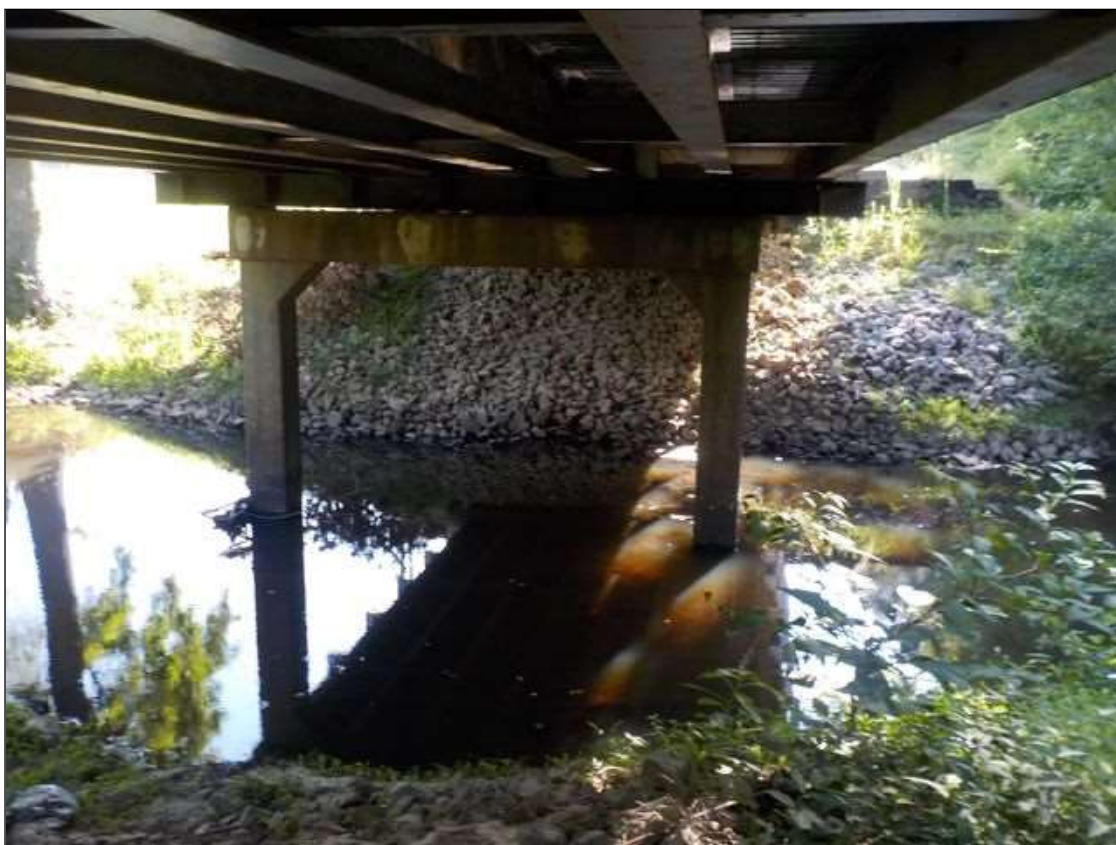
JOINT ALONG END BENT 2



JOINT ALONG BENT 1



JOINT ALONG END BENT 1



BENT 1 ELEVATION



INTERMEDIATE DIAPHRAGM IN SPAN BAY 7 OF SPAN 1 (OTHERS SIMILAR)



TEMPORARY REPAIR TO THE END BENT 1 BULKHEAD BETWEEN PILES 1 AND 3



SPAN 1 SUPERSTRUCTURE



END BENT 1 ELEVATION



END BENT 2 ELEVATION



NORTH ELEVATION



SPAN 2 SUPERSTRUCTURE



SOUTH ELEVATION



STEEL CAP BEARING PLATE ON CONCRETE CAP OF BENT 1 (OTHERS SIMILAR)



BEAM 6 BEARING ON STEEL CAP OF BENT 1 (OTHERS SIMILAR)



5" WIDE X 1'-6" HIGH X 8" LONG TIMBER BLOCK REPAIR BOLTED TO THE WEB AT END BENT 1 (OTHERS SIMILAR)