



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 STRUCTURE MANAGEMENT UNIT

ATTENTION: **PRIORITY MAINTENANCES (BEAMS, CAP, DECK SPALLS) CLEARANCES CHECKED TEMPORARY REPAIR (CAP)**

Structure Safety Report

Routine Element Inspection

COUNTY: HAYWOOD STRUCTURE NUMBER: 430243 FREQUENCY: 24 MONTHS

FACILITY CARRIED: I-40 MILE POST: 31.1

LOCATION: 3.8 M.I.E.JCT.SR1660

FEATURE INTERSECTED: NC215

LATITUDE: 35° 33' 21.87" LONGITUDE: 82° 51' 4.55"

SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE: E.BTS:RC CAPS/H-PILES;INT.BTS:RCP&B/PILE FOOTINGS

SPANS: 1 @ 41',1 @ 50',1 @ 54'

FRACTURE CRITICAL TEMPORARY SHORING SCOUR CRITICAL SCOUR PLAN OF ACTION

PRESENT CONDITION: Fair INSPECTION DATE: 04/25/2017

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: NONE



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 W-E

DIRECTION MATCHES PLANS _____

WEST APPROACH LOOKING EAST

INSPECTED BY JOSEPH HUNTSINGER	SIGNATURE <i>Joseph Huntsinger</i>	ASSISTED BY DELVIN ADAMS
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Structure Element Scoring

Structure Number: 430243

Inspection Date 4/25/2017

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	10357	9342	1000	15	0
107	0	Steel Open Girder/Beam	Beam	1450	0	1414	32	4
515	107	Steel Protective Coating	Beam	13660	0	13576	0	84
205	0	Reinforced Concrete Column	Piles and Columns	8	7	1	0	0
215	0	Reinforced Concrete Abutment	Abutments	136	136	0	0	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	10	10	0	0	0
225	0	Steel Pile	Piles and Columns	28	28	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	294	273	0	21	0
301	0	Pourable Joint Seal	Expansion Joints	0	0	0	0	0
311	0	Movable Bearing	Bearing Device	30	0	24	6	0
515	311	Steel Protective Coating	Bearing Device	60	0	0	48	12
313	0	Fixed Bearing	Bearing Device	30	0	24	6	0
515	313	Steel Protective Coating	Bearing Device	60	0	0	48	12
330	0	Metal Bridge Railing	Bridge Rail	290	290	0	0	0
515	330	Steel Protective Coating	Bridge Rail	290	290	0	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	145	0	0	145	0
510	0	Wearing Surface	Wearing Surfaces	9570	9330	0	240	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 430243

Inspection Date: 04/25/2017

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Exposed Rebar	30 Square Feet
3314	Steel Open Girder/Beam	Corrosion	36 Feet
3348	Reinforced Concrete Column	Cracking (RC and Other)	1 Each
3348	Reinforced Concrete Pier Cap	Exposed Rebar	18 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	3 Feet
3334	Movable Bearing	Corrosion	6 Each
3334	Fixed Bearing	Corrosion	6 Each
3318	Reinforced Concrete Bridge Railing	Cracking (RC and Other)	145 Feet
2816	Wearing Surface	Crack (Wearing Surface)	240 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	13780 Square Feet

Element Structure Maintenance Quantities

Structure Number: 430243

Inspection Date 04/25/2017

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	0	136	0	0	0	136
Beam	3314	Maintenance Steel Superstructure Components	36	1450	4	32	1414	0
Beam	3342	Clean and Paint Steel	13660	13660	84	0	13576	0
Bearing Device	3334	Bridge Bearing	12	60	0	12	48	0
Bearing Device	3342	Clean and Paint Steel	120	120	24	96	0	0
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	145	145	0	145	0	0
Bridge Rail	3322	Maintenance of Steel Bridge Rail	0	290	0	0	0	290
Bridge Rail	3342	Clean and Paint Steel	0	290	0	0	0	290
Caps	3348	Maintenance of Concrete Substructure	21	294	0	21	0	273
Deck	3326	Maintenance of Concrete Deck	30	10357	0	15	1000	9342
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	0	0	0	0	0
Footing	3348	Maintenance of Concrete Substructure	0	10	0	0	0	10
Piles and Columns	3348	Maintenance of Concrete Substructure	1	8	0	0	1	7
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	28	0	0	0	28
Wearing Surfaces	2816	Asphalt Surface Repair	240	9570	0	240	0	9330

Element Condition and Maintenance Data

Structure Number: 430243

Inspection Date: 04/25/2017

Span 1	Deck
Reinforced Concrete Deck	

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	2,929	2,729	200	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Efflorescence/Rust Staining	HAIRLINE TRANSVERSE CRACKS WITH EFFLORESCENCE IN THE UNDERSIDE OF THE DECK.	2	200	Square Feet
General Comments					

Span 1	Beam 1
Plate Girder	

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	41	0	34	7	0 Feet
515	Steel Protective Coating	385	0	371	0	14 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 1/2" FOR 4' BEGINNING AT THE FAR END OF THE BEAM, AND 5/8" FOR 1' ADJACENT TO PREVIOUS LOSS. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" FOR 1.5' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	3	5	5 Feet
107	Corrosion	THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 6" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	3	2	2 Feet
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST TO FORM ON THE WEB AND FLANGES THROUGHOUT. THE EXTERIOR HALF OF THE BOTTOM FLANGE, TOP FACE, HAS FULL LENGTH CORROSION WITH UP TO 1/16" PITTING.	2	34	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED AT BEARINGS, RESULTING IN CORROSION WITH SECTION LOSS	4	14	14 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING ALLOWING FRECKLED RUST.	2	371	371 Square 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	41	0	41	0	0 Feet
515	Steel Protective Coating	385	0	385	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	41	Feet

515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	385	385	Square Feet
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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	41	0	41	0	0 Feet
515	Steel Protective Coating	385	0	385	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	41	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	385	385 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	41	0	41	0	0 Feet
515	Steel Protective Coating	385	0	385	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	41	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	385	385 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	41	0	41	0	0 Feet
515	Steel Protective Coating	385	0	385	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	41	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	385	385 Square Feet

THE ENDS OF THE BEAM.

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	41	0	41	0	0 Feet
515	Steel Protective Coating	385	0	385	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	41	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	385	385 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	41	0	41	0	0 Feet
515	Steel Protective Coating	385	0	385	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	41	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	385	385 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	41	0	41	0	0 Feet
515	Steel Protective Coating	385	0	385	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	41	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	385	385 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	41	0	41	0	0	Feet
515	Steel Protective Coating	385	0	385	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	41		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	385	385	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	41	0	33	4	4	Feet
515	Steel Protective Coating	385	0	371	0	14	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 1/8" - 3/16" FOR 2'-6" BEGINNING AT THE FAR END OF THE BEAM, AND 5/16" - 3/8" FOR 1.5' ADJACENT TO PREVIOUS AREA. THE LOWER 9" OF THE WEB IS REDUCED TO 1/16" - 1/8" FOR 12" BEGINNING AT THE FAR END WITH A 3" WIDE X 1/2" HIGH COMPLETE LOSS BEGINNING 4" FROM THE FAR END OF THE BEAM AT 8" UP FROM THE BASE OF THE WEB. A PRIORITY MAINTENANCE IS REQUESTED.	4	4		4 Feet
107	Corrosion	THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 9/16" - 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 16" OF THE WEB IS REDUCED TO 1/4" - 5/16" FOR 2' BEGINNING AT THE NEAR END OF THE BEAM. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	3	4		4 Feet
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST TO FORM ON THE WEB AND FLANGES THROUGHOUT. THE EXTERIOR HALF OF THE BOTTOM FLANGE, TOP FACE, HAS FULL LENGTH CORROSION WITH UP TO 1/16" PITTING.	2	33		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED AT BEARINGS, RESULTING IN CORROSION WITH SECTION LOSS	4	14	14	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING ALLOWING FRECKLED RUST.	2	371	371	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	2,706	2,646	0	60	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	1/4" - 1/2" WIDE TRANSVERSE CRACKS AT THE EXPANSION JOINTS.	3	60	60 Square Feet

General Comments

Span 1 Median Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	41	0	0	41	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	6" - 1' HIGH HAIRLINE MAP CRACKS ALONG THE BASE OF THE RAIL, BOTH FACES.	3	41	41 Feet

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	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	BEARING DEVICE CORRODED WITH 1/16" - 1/8" SCALE SECTION LOSS TO BOTH THE MASONRY AND SOLE PLATES. THE ANCHOR NUTS HAVE UP TO 75 PERCENT LOSS.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOWING CORROSION WITH SECTION LOSS.	4	2	2 Square Feet

General Comments

Span 1 Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	BEARING DEVICE CORRODED WITH 1/16" - 1/8" SCALE SECTION LOSS TO BOTH THE MASONRY AND SOLE PLATES. THE ANCHOR NUTS HAVE UP TO 75 PERCENT LOSS.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOWING CORROSION WITH SECTION LOSS.	4	2	2 Square Feet

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	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 1 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

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	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 1 Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

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	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 1 Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

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	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 1 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

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	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 1 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

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	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 1 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

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	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 1 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

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	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 1 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2 Square Feet

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	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	BEARING DEVICE CORRODED WITH 1/16" - 1/8" SCALE SECTION LOSS TO BOTH THE MASONRY AND SOLE PLATES. THE ANCHOR NUTS HAVE UP TO 75 PERCENT LOSS.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOWING CORROSION WITH SECTION LOSS.	4	2	2 Square Feet

General Comments

Span 1 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	BEARING DEVICE CORRODED WITH 1/16" - 1/8" SCALE SECTION LOSS TO BOTH THE MASONRY AND SOLE PLATES. THE ANCHOR NUTS HAVE UP TO 75 PERCENT LOSS.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOWING CORROSION WITH SECTION LOSS.	4	2	2 Square Feet

General Comments

Span 2 Deck
Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	3,571	2,971	600	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Efflorescence/Rust Staining	HAIRLINE TRANSVERSE CRACKS WITH EFFLORESCENCE IN THE UNDERSIDE OF THE DECK.	2	600		Square Feet

General Comments

Span 2 Beam 1
Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	50	0	42	8	0	Feet
515	Steel Protective Coating	473	0	459	0	14	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE FAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	3	4		4 Feet
107	Corrosion	THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	3	4		4 Feet
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST TO FORM ON THE WEB AND FLANGES THROUGHOUT. THE EXTERIOR HALF OF THE BOTTOM FLANGE, TOP FACE, HAS FULL LENGTH CORROSION WITH UP TO 1/16" PITTING.	2	42		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED AT BEARINGS, RESULTING IN CORROSION WITH SECTION LOSS	4	14		14 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING ALLOWING FRECKLED RUST.	2	459		459 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	50	0	50	0	0	Feet
515	Steel Protective Coating	473	0	473	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	50		Feet

515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	473	473	Square Feet
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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	50	0	50	0	0 Feet
515	Steel Protective Coating	473	0	473	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	50	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	473	473 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	50	0	50	0	0 Feet
515	Steel Protective Coating	473	0	473	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	50	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	473	473 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	50	0	50	0	0 Feet
515	Steel Protective Coating	473	0	473	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	50	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	473	473 Square Feet

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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	50	0	50	0	0 Feet
515	Steel Protective Coating	473	0	473	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	50	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	473	473 Square Feet

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	50	0	50	0	0 Feet
515	Steel Protective Coating	473	0	473	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	50	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	473	473 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	50	0	50	0	0 Feet
515	Steel Protective Coating	473	0	473	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	50	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	473	473 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	50	0	50	0	0	Feet
515	Steel Protective Coating	473	0	473	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	50		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	473	473	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	50	0	43	7	0	Feet
515	Steel Protective Coating	473	0	459	0	14	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3.5' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	3	4		4 Feet
107	Corrosion	THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE FAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	3	3		3 Feet
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST TO FORM ON THE WEB AND FLANGES THROUGHOUT. THE EXTERIOR HALF OF THE BOTTOM FLANGE, TOP FACE, HAS FULL LENGTH CORROSION WITH UP TO 1/16" PITTING.	2	43		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED AT BEARINGS, RESULTING IN CORROSION WITH SECTION LOSS	4	14	14	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING ALLOWING FRECKLED RUST.	2	459	459	Square Feet

General Comments

Span 2 Expansion Joint

Standard Joint

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

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

NOT VISIBLE DUE TO WEARING SURFACE

Span 2 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	3,300	3,240	0	60	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	1/4" - 1/2" WIDE TRANSVERSE CRACKS AT THE EXPANSION JOINTS.	3	60	60 Square Feet

General Comments

Span 2 Median Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	50	0	0	50	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	6" - 1' HIGH HAIRLINE MAP CRACKS ALONG THE BASE OF THE RAIL, BOTH FACES.	3	50	50 Feet

General Comments

Span 2 Near 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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	BEARING DEVICE CORRODED WITH 1/16" - 1/8" SCALE SECTION LOSS TO BOTH THE MASONRY AND SOLE PLATES. THE ANCHOR NUTS HAVE UP TO 75 PERCENT LOSS.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOWING CORROSION WITH SECTION LOSS.	4	2	2 Square Feet

General Comments

Span 2 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	BEARING DEVICE CORRODED WITH 1/16" - 1/8" SCALE SECTION LOSS TO BOTH THE MASONRY AND SOLE PLATES. THE ANCHOR NUTS HAVE UP TO 75 PERCENT LOSS.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOWING CORROSION WITH SECTION LOSS.	4	2	2 Square Feet

General Comments

Span 2 Near Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2 Square Feet

General Comments

Span 2 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2 Square Feet

General Comments

Span 2 Near Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 2 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 2 Near Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 2 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 2 Near Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 2 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 2 Near Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 2 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 2 Near Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 2 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 2 Near Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 2 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 2 Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 2 Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 2 Near 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	2	0	0	0	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	BEARING DEVICE CORRODED WITH 1/16" - 1/8" SCALE SECTION LOSS TO BOTH THE MASONRY AND SOLE PLATES. THE ANCHOR NUTS HAVE UP TO 75 PERCENT LOSS.	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOWING CORROSION WITH SECTION LOSS.	4	2	2	Square Feet

General Comments

Span 2 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	BEARING DEVICE CORRODED WITH 1/16" - 1/8" SCALE SECTION LOSS TO BOTH THE MASONRY AND SOLE PLATES. THE ANCHOR NUTS HAVE UP TO 75 PERCENT LOSS.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOWING CORROSION WITH SECTION LOSS.	4	2	2 Square Feet

General Comments

Span 3 Expansion Joint
Standard Joint

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

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

NOT VISIBLE DUE TO WEARING SURFACE.

Span 3 Deck
Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	3,857	3,642	200	15	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Exposed Rebar	7' LONG X 1.5' WIDE X 2.5" DEEP DELAMINATION IN THE LEFT OVERHANG WITH EXPOSED AND CORRODING REINFORCING STEEL BEGINNING AT THE NEAR END OF THE SPAN. THE CURB, BEGINNING AT THE SAME AREA HAS 15' LONG FULL WIDTH X FULL HEIGHT X UP TO 3" DEEP DELAMINATION WITH EXPOSED AND CORRODING REINFORCING STEEL. A PRIORITY MAINTENANCE IS REQUESTED.	3	15	30 Square Feet
12	Efflorescence/Rust Staining	HAIRLINE TRANSVERSE CRACKS WITH EFFLORESCENCE IN THE UNDERSIDE OF THE DECK.	2	200	Square Feet

General Comments

Span 3 Beam 1
Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	54	0	51	3	0 Feet
515	Steel Protective Coating	508	0	494	0	14 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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107	Corrosion	THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16" - 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	3	3	3	Feet
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST TO FORM ON THE WEB AND FLANGES THROUGHOUT. THE EXTERIOR HALF OF THE BOTTOM FLANGE, TOP FACE, HAS FULL LENGTH CORROSION WITH UP TO 1/16" PITTING. SIMILAR PITTING IS ALSO PRESENT ON THE WEB AND BOTTOM FLANGE AT END BENT 2.	2	51		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED AT BEARINGS, RESULTING IN CORROSION WITH SECTION LOSS	4	14	14	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING ALLOWING FRECKLED RUST.	2	494	494	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	54	0	54	0	0 Feet
515	Steel Protective Coating	508	0	508	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	54	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	508	508 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	54	0	54	0	0 Feet
515	Steel Protective Coating	508	0	508	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	54	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	508	508 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	54	0	54	0	0	Feet
515	Steel Protective Coating	508	0	508	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	508	508	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	54	0	54	0	0	Feet
515	Steel Protective Coating	508	0	508	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	508	508	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	54	0	54	0	0	Feet
515	Steel Protective Coating	508	0	508	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	508	508	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	54	0	54	0	0 Feet
515	Steel Protective Coating	508	0	508	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	54	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	508	508 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	54	0	54	0	0 Feet
515	Steel Protective Coating	508	0	508	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	54	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	508	508 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	54	0	54	0	0 Feet
515	Steel Protective Coating	508	0	508	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	54	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.	2	508	508 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	54	0	51	3	0 Feet
515	Steel Protective Coating	508	0	494	0	14 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16" - 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	3	3	3 Feet
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST TO FORM ON THE WEB AND FLANGES THROUGHOUT. THE EXTERIOR HALF OF THE BOTTOM FLANGE, TOP FACE, HAS FULL LENGTH CORROSION WITH UP TO 1/16" PITTING. SIMILAR PITTING IS ALSO PRESENT ON THE WEB AND BOTTOM FLANGE AT END BENT 2.	2	51	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED AT BEARINGS, RESULTING IN CORROSION WITH SECTION LOSS	4	14	14 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING ALLOWING FRECKLED RUST.	2	494	494 Square Feet

General Comments

Span 3 **Wearing Surface**
Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	3,564	3,444	0	120	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	1/4" - 1/2" WIDE TRANSVERSE CRACKS AT THE EXPANSION JOINTS.	3	120	120 Square Feet

General Comments

Span 3 **Median Rail**
Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	54	0	0	54	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	6" - 1' HIGH HAIRLINE MAP CRACKS ALONG THE BASE OF THE RAIL, BOTH FACES.	3	54	54 Feet

General Comments

Span 3 Near Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	BEARING DEVICE CORRODED WITH 1/16" - 1/8" SCALE SECTION LOSS TO BOTH THE MASONRY AND SOLE PLATES. THE ANCHOR NUTS HAVE UP TO 75 PERCENT LOSS.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOWING CORROSION WITH SECTION LOSS.	4	2	2 Square Feet

General Comments

Span 3 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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	BEARING DEVICE CORRODED WITH 1/16" - 1/8" SCALE SECTION LOSS TO BOTH THE MASONRY AND SOLE PLATES. THE ANCHOR NUTS HAVE UP TO 75 PERCENT LOSS.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOWING CORROSION WITH SECTION LOSS.	4	2	2 Square Feet

General Comments

Span 3 Near Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2 Square Feet

General Comments

Span 3 Far Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 3 Near Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 3 Far Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 3 Near Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 3 Far Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 3 Near Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 3 Far Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 3 Near Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 3 Far Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 3 Near Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 3 Far Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 3 Near Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 3 Far Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 3 Near Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 3 Far Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.	3	2	2	Square Feet

General Comments

Span 3 Near Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	BEARING DEVICE CORRODED WITH 1/16" - 1/8" SCALE SECTION LOSS TO BOTH THE MASONRY AND SOLE PLATES. THE ANCHOR NUTS HAVE UP TO 75 PERCENT LOSS.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOWING CORROSION WITH SECTION LOSS.	4	2	2 Square Feet

General Comments

Span 3 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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	BEARING DEVICE CORRODED WITH 1/16" - 1/8" SCALE SECTION LOSS TO BOTH THE MASONRY AND SOLE PLATES. THE ANCHOR NUTS HAVE UP TO 75 PERCENT LOSS.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOWING CORROSION WITH SECTION LOSS.	4	2	2 Square Feet

General Comments

End Bent 1 Steel Pile 1
Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	1	0	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments
 NOT VISIBLE

Bent 1 Reinforced Concrete Footing 1
Reinforced Concrete Footing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
220	Reinforced Concrete Pile Cap/Footing	5	5	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments
 NOT VISIBLE

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	71	59	0	12	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Exposed Rebar	9" HIGH X 4' LONG DELAMINATIONS UP TO 3" DEEP IN BOTH THE EAST AND WEST FACES OF THE CAP BEGINNING AT THE LEFT END. THESE DELAMINATIONS EXTEND UP TO THE EDGE OF THE BEARING PLATE OF BEAM 1 IN BOTH SPANS 1 AND 2. THE EXPOSED REINFORCING STEEL IS CORRODING WITH SCALE SECTION LOSS. THERE ARE MULTIPLE CRACKS UP TO 1/2" WIDE EXTENDING FROM THE DELAMINATION UP TO THE BEARING AREA OF BEAM 2 ON THE CAP. A PRIORITY MAINTENANCE IS REQUESTED.	3	9	9 Feet
234	Patched Area	PATCH ON THE RIGHT END OF THE CAP HAS MULTIPLE CRACKS UP TO 1/2" WIDE THROUGHOUT ALL FACES AND THE END. THE PATCH IS DULL SOUNDING TO THE HAMMER, AND COULD EASILY BE KNOCKED LOOSE FROM THE CAP. LARGE PIECES OF THE PATCH HAVE ALREADY FALLEN OUT. A PRIORITY MAINTENANCE IS REQUESTED.	3	3	3 Feet

General Comments

Bent 1 Reinforced Concrete Column 1

Reinforced Concrete Column

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Cracking (RC and Other)	HAIRLINE VERTICAL CRACKS IN THE WEST FACE.	2	1	1 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	71	62	0	9	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Exposed Rebar	THE RIGHT END OF THE CAP HAS A FULL WIDTH X 3' LONG SPALL UP TO 3" DEEP WITH EXPOSED AND CORRODING REINFORCING STEEL TO THE UNDERSIDE OF THE CAP AND THE END OF THE CAP. MULTIPLE CRACKS UP TO 1/2" WIDE IN THE TOP FACE OF THE CAP, AND ALONG THE TOP EDGE OF THE CAP IN THE EAST FACE EXTENDING UNDERNEATH BEAM 10, AND UP TO BEAM 9. A PRIORITY MAINTENANCE IS REQUESTED.	3	9	9 Feet

General Comments

End Bent 2

Steel Pile 1

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	1	0	0	0 Each

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

NOT VISIBLE.

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2929
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 10	Plate Girder	Steel Open Girder/Beam	41
Span 1	Left Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 1	Right Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 1	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	41
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2706
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3571
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	50

Elements Verified

Location	Name	Component	Element Name	Amount
Span 2	Beam 10	Plate Girder	Steel Open Girder/Beam	50
Span 2	Left Bridge Rail	Steel Rail	Metal Bridge Railing	50
Span 2	Right Bridge Rail	Steel Rail	Metal Bridge Railing	50
Span 2	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	3300
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3857
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 10	Plate Girder	Steel Open Girder/Beam	54
Span 3	Left Bridge Rail	Steel Rail	Metal Bridge Railing	54
Span 3	Right Bridge Rail	Steel Rail	Metal Bridge Railing	54
Span 3	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	54
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	3564
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1

Elements Verified

Location	Name	Component	Element Name	Amount
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	71
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	76
End Bent 1		Reinforced Concrete Abutment	Reinforced Concrete Abutment	68
Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	71
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	76
End Bent 2		Reinforced Concrete Abutment	Reinforced Concrete Abutment	68

General Inspection Notes

Bent 1

NOT VISIBLE

Bent 2

NOT VISIBLE.

Span 2

Expansion Joint

NOT VISIBLE DUE TO WEARING SURFACE

Span 3

Expansion Joint

NOT VISIBLE DUE TO WEARING SURFACE.

National Bridge and NC Inspection Items

Structure Number: 430243

Inspection Date: 04/25/2017

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	5
Item 59: Superstructure	0 - 9 , N	5
Item 60: Substructure	0 - 9 , N	5
Item 61: Channel and Channel Protection	0 - 9 , N	N
Item 62: Culvert	0 - 9 , N	N
Item 71: Waterway Adequacy	0 - 9 , N	N
Item 72: Approach Roadway Alignment	0 - 9 , N	8

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

NC SMU Inspection Items

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		0	3352
Scour	G, F, P, or C			
Wingwall	G, F, P, or C		0	3350
Field Scour Evaluation		N		
Drift	G, F, P, or C		0	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	20		
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	6
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: 430243

Inspection Date: 04/25/2017

Item	Priority Maintenance Issued	Grade	Y	Maint Code	Qty.	0
Details	BEAMS, CAPS, DECK SPALL					



Span 3 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16" - 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.



Span 2 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE FAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.



Bent 2 Cap 1: THE RIGHT END OF THE CAP HAS A FULL WIDTH X 3' LONG SPALL UP TO 3" DEEP WITH EXPOSED AND CORRODING REINFORCING STEEL TO THE UNDERSIDE OF THE CAP AND THE END OF THE CAP. MULTIPLE CRACKS UP TO 1/2" WIDE IN THE TOP FACE OF THE CAP, AND ALONG THE TOP EDGE OF THE CAP IN THE EAST FACE EXTENDING UNDERNEATH BEAM 10, AND UP TO BEAM 9. A PRIORITY MAINTENANCE IS REQUESTED.



Bent 2 Cap 1: THE RIGHT END OF THE CAP HAS A FULL WIDTH X 3' LONG SPALL UP TO 3" DEEP WITH EXPOSED AND CORRODING REINFORCING STEEL TO THE UNDERSIDE OF THE CAP AND THE END OF THE CAP. MULTIPLE CRACKS UP TO 1/2" WIDE IN THE TOP FACE OF THE CAP, AND ALONG THE TOP EDGE OF THE CAP IN THE EAST FACE EXTENDING UNDERNEATH BEAM 10, AND UP TO BEAM 9. A PRIORITY MAINTENANCE IS REQUESTED.



Span 3 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16" - 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.



Span 2 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE FAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.



Span 3 Deck: 7' LONG X 1.5' WIDE X 2.5" DEEP DELAMINATION IN THE LEFT OVERHANG WITH EXPOSED AND CORRODING REINFORCING STEEL BEGINNING AT THE NEAR END OF THE SPAN. THE CURB, BEGINNING AT THE SAME AREA HAS 15' LONG FULL WIDTH X FULL HEIGHT X UP TO 3" DEEP DELAMINATION WITH EXPOSED AND CORRODING REINFORCING STEEL. A PRIORITY MAINTENANCE IS REQUESTED.



Span 2 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.



Span 1 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 1/2" FOR 4' BEGINNING AT THE FAR END OF THE BEAM, AND 5/8" FOR 1' ADJACENT TO PREVIOUS LOSS. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" FOR 1.5' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.



Span 1 Beam 1 Near Bearing: BEARING DEVICE CORRODED WITH 1/16" - 1/8" SCALE SECTION LOSS TO BOTH THE MASONRY AND SOLE PLATES. THE ANCHOR NUTS HAVE UP TO 75 PERCENT LOSS.



Bent 1 Cap 1: 9" HIGH X 4' LONG DELAMINATIONS UP TO 3" DEEP IN BOTH THE EAST AND WEST FACES OF THE CAP BEGINNING AT THE LEFT END. THESE DELAMINATIONS EXTEND UP TO THE EDGE OF THE BEARING PLATE OF BEAM 1 IN BOTH SPANS 1 AND 2. THE EXPOSED REINFORCING STEEL IS CORRODING WITH SCALE SECTION LOSS. THERE ARE MULTIPLE CRACKS UP TO 1/2" WIDE EXTENDING FROM THE DELAMINATION UP TO THE BEARING AREA OF BEAM 2 ON THE CAP. A PRIORITY MAINTENANCE IS REQUESTED.



Bent 1 Cap 1: 9" HIGH X 4' LONG DELAMINATIONS UP TO 3" DEEP IN BOTH THE EAST AND WEST FACES OF THE CAP BEGINNING AT THE LEFT END. THESE DELAMINATIONS EXTEND UP TO THE EDGE OF THE BEARING PLATE OF BEAM 1 IN BOTH SPANS 1 AND 2. THE EXPOSED REINFORCING STEEL IS CORRODING WITH SCALE SECTION LOSS. THERE ARE MULTIPLE CRACKS UP TO 1/2" WIDE EXTENDING FROM THE DELAMINATION UP TO THE BEARING AREA OF BEAM 2 ON THE CAP. A PRIORITY MAINTENANCE IS REQUESTED.



Bent 1 Cap 1: 9" HIGH X 4' LONG DELAMINATIONS UP TO 3" DEEP IN BOTH THE EAST AND WEST FACES OF THE CAP BEGINNING AT THE LEFT END. THESE DELAMINATIONS EXTEND UP TO THE EDGE OF THE BEARING PLATE OF BEAM 1 IN BOTH SPANS 1 AND 2. THE EXPOSED REINFORCING STEEL IS CORRODING WITH SCALE SECTION LOSS. THERE ARE MULTIPLE CRACKS UP TO 1/2" WIDE EXTENDING FROM THE DELAMINATION UP TO THE BEARING AREA OF BEAM 2 ON THE CAP. A PRIORITY MAINTENANCE IS REQUESTED.



Span 1 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 1/8" - 3/16" FOR 2'-6" BEGINNING AT THE FAR END OF THE BEAM, AND 5/16" - 3/8" FOR 1.5' ADJACENT TO PREVIOUS AREA. THE LOWER 9" OF THE WEB IS REDUCED TO 1/16" - 1/8" FOR 12" BEGINNING AT THE FAR END WITH A 3" WIDE X 1/2" HIGH COMPLETE LOSS BEGINNING 4" FROM THE FAR END OF THE BEAM AT 8" UP FROM THE BASE OF THE WEB. A PRIORITY MAINTENANCE IS REQUESTED.



Span 1 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 1/8" - 3/16" FOR 2'-6" BEGINNING AT THE FAR END OF THE BEAM, AND 5/16" - 3/8" FOR 1.5' ADJACENT TO PREVIOUS AREA. THE LOWER 9" OF THE WEB IS REDUCED TO 1/16" - 1/8" FOR 12" BEGINNING AT THE FAR END WITH A 3" WIDE X 1/2" HIGH COMPLETE LOSS BEGINNING 4" FROM THE FAR END OF THE BEAM AT 8" UP FROM THE BASE OF THE WEB. A PRIORITY MAINTENANCE IS REQUESTED.



Span 2 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3.5' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.



Bent 1 Cap 1: PATCH ON THE RIGHT END OF THE CAP HAS MULTIPLE CRACKS UP TO 1/2" WIDE THROUGHOUT ALL FACES AND THE END. THE PATCH IS DULL SOUNDING TO THE HAMMER, AND COULD EASILY BE KNOCKED LOOSE FROM THE CAP. LARGE PIECES OF THE PATCH HAVE ALREADY FALLEN OUT. A PRIORITY MAINTENANCE IS REQUESTED.



Bent 1 Cap 1: PATCH ON THE RIGHT END OF THE CAP HAS MULTIPLE CRACKS UP TO 1/2" WIDE THROUGHOUT ALL FACES AND THE END. THE PATCH IS DULL SOUNDING TO THE HAMMER, AND COULD EASILY BE KNOCKED LOOSE FROM THE CAP. LARGE PIECES OF THE PATCH HAVE ALREADY FALLEN OUT. A PRIORITY MAINTENANCE IS REQUESTED.



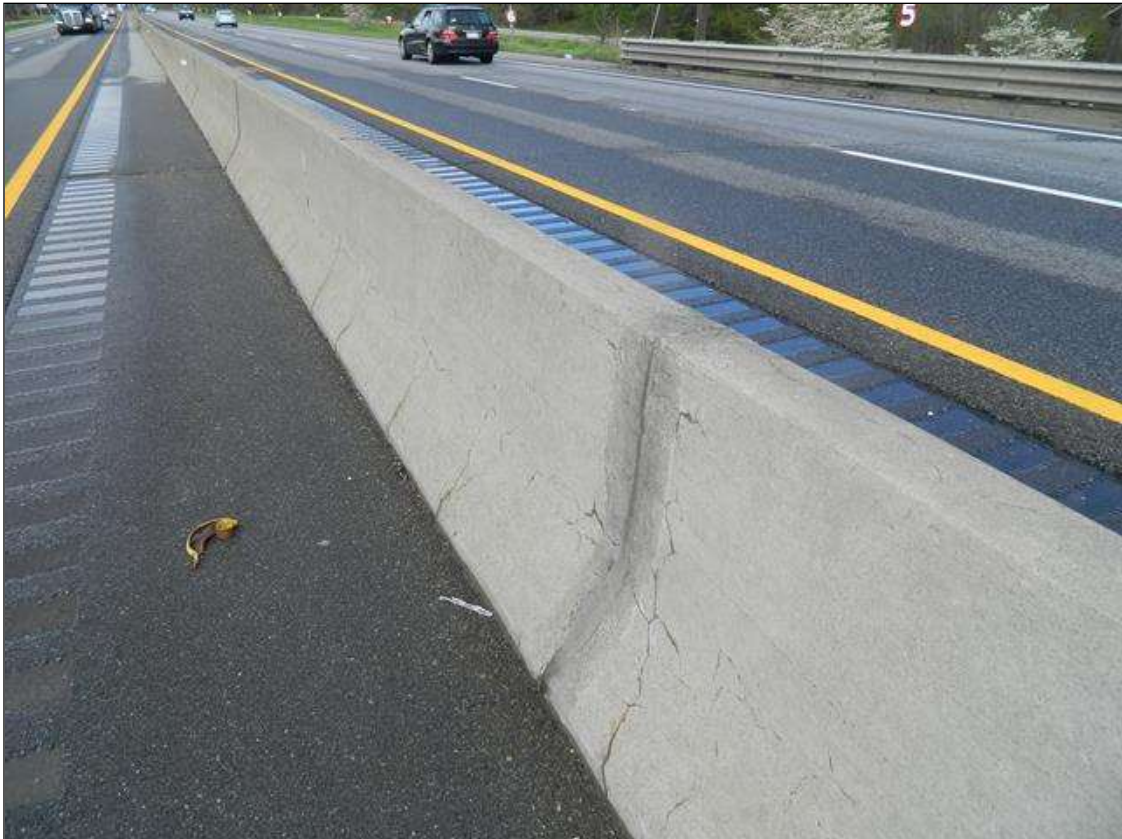
Span 1 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO $9/16'' - 5/8''$ FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 16" OF THE WEB IS REDUCED TO $1/4'' - 5/16''$ FOR 2' BEGINNING AT THE NEAR END OF THE BEAM. ORIGINAL $11/16''$ FLANGE AND $1/2''$ WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.



Span 1 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 6" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.



Span 1 Wearing Surface: 1/4" - 1/2" WIDE TRANSVERSE CRACKS AT THE EXPANSION JOINTS.



Span 1 Median Rail: 6" - 1' HIGH HAIRLINE MAP CRACKS ALONG THE BASE OF THE RAIL, BOTH FACES.



Span 3 Deck: 7' LONG X 1.5' WIDE X 2.5" DEEP DELAMINATION IN THE LEFT OVERHANG WITH EXPOSED AND CORRODING REINFORCING STEEL BEGINNING AT THE NEAR END OF THE SPAN. THE CURB, BEGINNING AT THE SAME AREA HAS 15' LONG FULL WIDTH X FULL HEIGHT X UP TO 3" DEEP DELAMINATION WITH EXPOSED AND CORRODING REINFORCING STEEL. A PRIORITY MAINTENANCE IS REQUESTED.



SOUTH PROFILE



NORTH PROFILE



END BENT 1



BENT 1



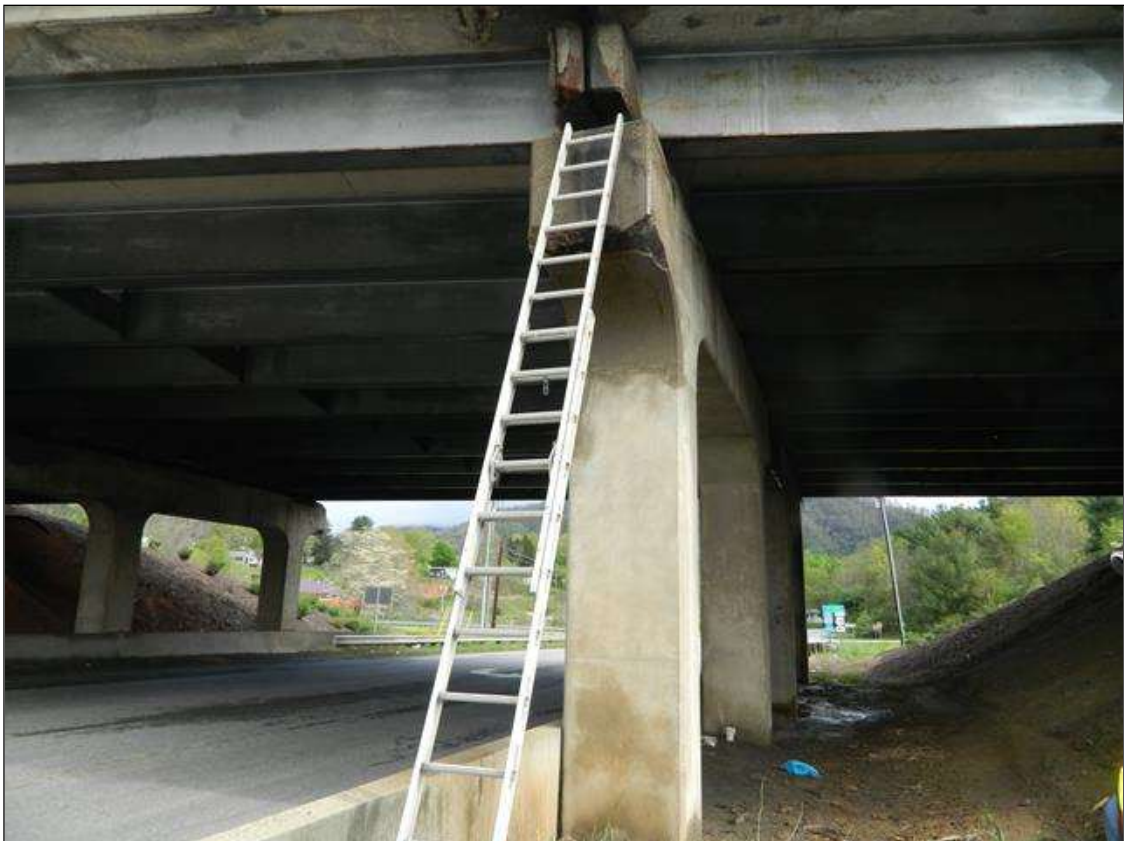
BENT 2



END BENT 2



DECK UNDERSIDE



INSPECTION LADDER



WEST APPROACH LOOKING EAST



RETROFIT RAIL BASE



STRUCTURE INFORMATION PLATE AT THE SOUTH WEST AND NORTH EAST CORNERS



LOOKING SOUTH FROM TOP OF STRUCTURE



GUARDRAIL LOOKING EAST



GUARDRAIL LOOKING WEST



LOOKING NORTH FROM TOP OF STRUCTURE



RETROFIT RAIL IS CONTINUOUS WITH APPROACH RAIL



EAST APPROACH LOOKING WEST



GUARD RAIL END AT THE NORTH EAST AND SOUTH WEST CORNERS OF THE BRIDGE.



GUARD RAIL END AT THE SOUTH EAST CORNER OF THE BRIDGE.

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	430243		SUFFICIENCY RATING =			77
(8) STRUCTURE NUMBER(FEDERAL)		00000000870243		STATUS =	Functionally Obsolete		
(5) INVENTORY ROUTE (ON/UNDER) - ON		11000400					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2					
(3) COUNTY CODE	87	(4) PLACE CODE	10240	(112)NBIS BRIDGE SYSTEM -			YES
(6) FEATURE INTERSECTED -	NC215			(104)HIGHWAY SYSTEM	Is on the NHS		1
(7) FACILITY CARRIED	I-40			(26) FUNCTIONAL CLASS -	Arterial - Interstate		11
(9) LOCATION	3.8 M.I.E.JCT.SR1660			(100)STRAHNET HIGHWAY -	Interstate STRAHNET Route		1
(11)MILEPOINT		31.1		(101)PARALLEL STRUCTURE -	No Parallel Structure		N
(16)LAT	35° 33' 21.87"	(17)LONG	82° 51' 4.55"	(102)DIRECTION OF TRAFFIC -	2-way Traffic		2
(98)BORDER BRIDGE STATE CODE		PCT SHARE		(103)TEMPORARY STRUCTURE -			
(99)BORDER BRIDGE STRUCTURE NO				(110)DESIGNATED NATIONAL NETWORK -	On the National Network		1
				(20) TOLL	On Free Road		3
				(31) MAINTAIN -	State Highway Agency		01
				(22) OWNER -	State Highway Agency		01
				(37) HISTORICAL SIGNIFICANCE -	Not Eligible		5
STRUCTURE TYPE AND MATERIAL				CONDITION			
(43) STRUCTURE TYPE MAIN:	Steel			(58) DECK			5
TYPE -	Stringer Mutlibeam or Girder	CODE	302	(59) SUPERSTRUCTURE			5
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE			5
TYPE -		CODE	000	(61) CHANNEL & CHANNEL PROTECTION			N
(45) NUMBER OF SPANS IN MAIN UNIT			3	(62) CULVERTS			N
(46) NUMBER OF APPROACH SPANS				LOAD RATING AND POSTING			
(107)DECK STRUCTURE TYPE -	1	CODE		(31) DESIGN LOAD	HS 20 + MOD		6
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(63) OPERATING RATING METHOD -	Load Factor		1
(A) TYPE OF WEARING SURFACE -		CODE		(64) OPERATING RATING -	HS-38		68
(B) TYPE OF MEMBRANE -		CODE		(65) INVENTORY RATING METHOD -	Load Factor		1
(C) TYPE OF DECK PROTECTION -		CODE		(66) INVENTORY RATING -	HS-23		41
				(70) BRIDGE POSTING -	No Posting Required		5
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED			A
				DESCRIPTION -	Open, No Restriction		
AGE AND SERVICE				APPRAISAL			
(27) YEAR BUILT			1961	(67) STRUCTURAL EVALUATION			5
(106)YEAR RECONSTRUCTED			1988	(68) DECK GEOMETRY			6
(42) TYPE OF SERVICE : ON -	Overpass - Interchange			(69) UNDERCLEARANCES,VERTI & HORIZ			3
UNDER -	Highway	CODE	61	(71) WATERWAY ADEQUACY			N
(28) LANES: ON STRUCTURE	4 UNDER STRUCTURE		3	(72) APPROACH ROADWAY ALIGNMENT			8
(29) AVERAGE DAILY TRAFFIC			51000	(36) TRAFFIC SAFETY FEATURES			1111
(30) YEAR OF ADT	2015	(109) TRUCK ADT PCT	16%	(113)SCOUR CRITICAL BRIDGES			N
(19) BYPASS OR DETOUR LENGTH			0 MI	PROPOSED IMPROVEMENTS			
GEOMETRIC DATA				(75) TYPE OF WORK -			CODE
(48) LENGTH OF MAXIMUM SPAN			56 FT	(76) LENGTH OF STRUCTURE IMPROVEMENT			
(49) STRUCTURE LENGTH			145 FT	(94) BRIDGE IMPROVEMENT COST			
(50)CURB OR SIDEWALK: LEFT	0 FT RIGHT		0 FT	(95) ROADWAY IMPROVEMENT COST			
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			68 FT	(96) TOTAL PROJECT COST			
(52) DECK WIDTH OUT TO OUT			71.417 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			83 FT	(114)FUTURE ADT	102000	(115) YEAR FUTURE ADT	2025
(33) BRIDGE MEDIAN -	No Median	CODE	3	INSPECTIONS			
(34) SKEW	15°	(35) STRUCTURE FLARED	0	(90) INSPECTION DATE			04/25/2017
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT	(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			33 FT	A) FRACTURE CRIT DETAIL -	NO	A)	
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9 FT	B) UNDERWATER INSP -	NO	B)	
(54) MIN VERT UNDERCLEAR REF	Highway		15.167 FT	C) OTHER SPECIAL INSP	NO	C)	
(55) MIN LAT UNDERCLEAR RT REF	Highway		2.5 FT	SCOUR			
(56) MIN LAT UNDERCLEAR LT REF -			0 FT	NAVIGATION DATA			
(38) NAVIGATION CONTROL -	Not Applicable	CODE	N	(99) NAVIGATION VERTICAL CLEARANCE			0
(111)PIER PROTECTION -		CODE		(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			FT
(39) NAVIGATION VERTICAL CLEARANCE			0	(40) NAVIGATION HORIZONTAL CLEARANCE			0 FT
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			FT				
(40) NAVIGATION HORIZONTAL CLEARANCE			0 FT				

Structure No: 430243

County: HAYWOOD

Run Date:

Span Number	Feature Intersected	Inventory Route	Minimum Maximum Vertical Clearance	Milepoint	Base Highway Network	LRS Inventory Route	Toll	Functional Classification	Nuner of Lanes	Average Daily Traffic	Year of Average Daily Traffic	Total Horizontal Clearance	See Note 1							
													Reference Feature	Minimum Vertical Underclearance	Right Lateral Underclearance	Left Lateral Underclearance	Underclearance Appraisal Grade	STRAHNET Highway Designator	Direction of Traffic	Highway System of Route
	6	5	10	11	12	13	20	26	28	29	30	47	54A	54	55	56	69	100	102	104
2	NC 215	31002150	16.29		0			16	3	11000	2014	42.3	H	15.17	2.5		9	0	2	1

Note 1: Items 54, 55, and 56 are not reported FHWA under route data points but are collected for each under route to determine the minimum value for Underclearance Appraisal Item 69. The under route that generates the lowest Underclearance Appraisal value will be reported on the Facility Carried record.

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 10/27/2017

COUNTY : HAYWOOD DIVISION : 14 DISTRICT : 2 STRUCTURE NUMBER : 430243 LENGTH : 145 FEET

ROUTE CARRIED : I-40 FEATURE INTERSECTED : NC215

LOCATED : 3.8 MI.E.JCT.SR1660 BRIDGE NAME : CITY : CANTON

FUNC. CLASS : 11 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 51000 2015 RAIL TYPE : LT 333 RT 333

BUILT : 1961 BY : SHC PROJ : 8.19430 FED.AID PROJ : I-40-1(7)29 DESIGN LOAD : HS 20 + MOD

REHAB : 1988 BY : DOH PROJ : 8.194205 ALIGNMENT : TAN SKEW : 105 LANES : ON 4 UNDER 3

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

SUPERSTRUCTURE : REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE : E.BTS:RC CAPS/H-PILES;INT.BTS:RCP&B/PILE FOOTINGS

SPANS : 1 @ 41',1 @ 50',1 @ 54'

BEAMS OR GIRDERS : 10 LINES 33 I-BEAMS @ VAR.CENTERS

FLOOR : 8.75 RC/1 AWS ENCROACHMENT : DECK (OUT TO OUT) : 71.417 FT

CLEAR ROADWAY : 68 FT BETWEEN RAILS : 68 FT SIDEWALK OR CURB : LT 0 FT RT 0 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-23 OPE.RTG. : HS-38 CONTR.MEMBER : Int.bmsSpA POSTED : SV TTST DATE

SYSTEM : Primary Interstate GREEN LINE ROUTE : Y

UNDER ROUTES AND CLEARANCES

Span	Route Description	Vertical Clearances		Horizontal Clearances		
		MMVC	MVC	Total	Left	Right
2	NC 215	16.2910	15.1670	42.300		2.50

Note: All measurements are in feet.

REMARKS :





BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430243

County HAYWOOD

Date: 04/25/2017

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	5	Span 1 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 1/2" FOR 4' BEGINNING AT THE FAR END OF THE BEAM, AND 5/8" FOR 1' ADJACENT TO PREVIOUS LOSS. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" FOR 1.5' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 6" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	4	Span 1 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 1/8" - 3/16" FOR 2'-6" BEGINNING AT THE FAR END OF THE BEAM, AND 5/16" - 3/8" FOR 1.5' ADJACENT TO PREVIOUS AREA. THE LOWER 9" OF THE WEB IS REDUCED TO 1/16" - 1/8" FOR 12" BEGINNING AT THE FAR END WITH A 3" WIDE X 1/2" HIGH COMPLETE LOSS BEGINNING 4" FROM THE FAR END OF THE BEAM AT 8" UP FROM THE BASE OF THE WEB. A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	4	Span 1 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 9/16" - 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 16" OF THE WEB IS REDUCED TO 1/4" - 5/16" FOR 2' BEGINNING AT THE NEAR END OF THE BEAM. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined




BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430243

County HAYWOOD

Date: 04/25/2017

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	4	Span 2 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE FAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	4	Span 2 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE FAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined




BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430243

County HAYWOOD

Date: 04/25/2017

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	4	Span 2 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3.5' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	3	Span 3 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16" - 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	
 3326	Maintain Concrete Deck	SF	30	Span 3 Deck: 7' LONG X 1.5' WIDE X 2.5" DEEP DELAMINATION IN THE LEFT OVERHANG WITH EXPOSED AND CORRODING REINFORCING STEEL BEGINNING AT THE NEAR END OF THE SPAN. THE CURB, BEGINNING AT THE SAME AREA HAS 15' LONG FULL WIDTH X FULL HEIGHT X UP TO 3" DEEP DELAMINATION WITH EXPOSED AND CORRODING REINFORCING STEEL. A PRIORITY MAINTENANCE IS REQUESTED.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined



BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430243

County HAYWOOD

Date: 04/25/2017

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3348	Maintain Concrete Substructure Components	LF	9	Bent 1 Cap 1: 9" HIGH X 4' LONG DELAMINATIONS UP TO 3" DEEP IN BOTH THE EAST AND WEST FACES OF THE CAP BEGINNING AT THE LEFT END. THESE DELAMINATIONS EXTEND UP TO THE EDGE OF THE BEARING PLATE OF BEAM 1 IN BOTH SPANS 1 AND 2. THE EXPOSED REINFORCING STEEL IS CORRODING WITH SCALE SECTION LOSS. THERE ARE MULTIPLE CRACKS UP TO 1/2" WIDE EXTENDING FROM THE DELAMINATION UP TO THE BEARING AREA OF BEAM 2 ON THE CAP. A PRIORITY MAINTENANCE IS REQUESTED.	
 3348	Maintain Concrete Substructure Components	LF	9	Bent 2 Cap 1: THE RIGHT END OF THE CAP HAS A FULL WIDTH X 3' LONG SPALL UP TO 3" DEEP WITH EXPOSED AND CORRODING REINFORCING STEEL TO THE UNDERSIDE OF THE CAP AND THE END OF THE CAP. MULTIPLE CRACKS UP TO 1/2" WIDE IN THE TOP FACE OF THE CAP, AND ALONG THE TOP EDGE OF THE CAP IN THE EAST FACE EXTENDING UNDERNEATH BEAM 10, AND UP TO BEAM 9. A PRIORITY MAINTENANCE IS REQUESTED.	
3314	Maintain Steel Superstructure Components	LF	3	Span 3 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16" - 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430243

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/25/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 1 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 1/2" FOR 4' BEGINNING AT THE FAR END OF THE BEAM, AND 5/8" FOR 1' ADJACENT TO PREVIOUS LOSS. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" FOR 1.5' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/25/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 1 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 6" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430243

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF
Location:		
Bent/Span No.		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification
Submitted Date:	Submitted By:	Assisted By:
04/25/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 1 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 1/8" - 3/16" FOR 2'-6" BEGINNING AT THE FAR END OF THE BEAM, AND 5/16" - 3/8" FOR 1.5' ADJACENT TO PREVIOUS AREA. THE LOWER 9" OF THE WEB IS REDUCED TO 1/16" - 1/8" FOR 12" BEGINNING AT THE FAR END WITH A 3" WIDE X 1/2" HIGH COMPLETE LOSS BEGINNING 4" FROM THE FAR END OF THE BEAM AT 8" UP FROM THE BASE OF THE WEB. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF
Location:		
Bent/Span No.		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification
Submitted Date:	Submitted By:	Assisted By:
04/25/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 1 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 9/16" - 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 16" OF THE WEB IS REDUCED TO 1/4" - 5/16" FOR 2' BEGINNING AT THE NEAR END OF THE BEAM. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430243

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF
Location:		
Bent/Span No.		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification
Submitted Date:	Submitted By:	Assisted By:
04/25/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 2 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE FAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF
Location:		
Bent/Span No.		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification
Submitted Date:	Submitted By:	Assisted By:
04/25/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 2 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430243

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification
Submitted Date:	Submitted By:	Assisted By:
04/25/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 2 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE FAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF
Location:		
Bent/Span No.		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification
Submitted Date:	Submitted By:	Assisted By:
04/25/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 2 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3.5' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430243

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/25/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 3 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16" - 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	30 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/25/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 3 Deck: 7' LONG X 1.5' WIDE X 2.5" DEEP DELAMINATION IN THE LEFT OVERHANG WITH EXPOSED AND CORRODING REINFORCING STEEL BEGINNING AT THE NEAR END OF THE SPAN. THE CURB, BEGINNING AT THE SAME AREA HAS 15' LONG FULL WIDTH X FULL HEIGHT X UP TO 3" DEEP DELAMINATION WITH EXPOSED AND CORRODING REINFORCING STEEL. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430243 County HAYWOOD

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	9 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/25/2017	JOSEPH HUNTSINGER	
Details		
<p>Bent 1 Cap 1: 9" HIGH X 4' LONG DELAMINATIONS UP TO 3" DEEP IN BOTH THE EAST AND WEST FACES OF THE CAP BEGINNING AT THE LEFT END. THESE DELAMINATIONS EXTEND UP TO THE EDGE OF THE BEARING PLATE OF BEAM 1 IN BOTH SPANS 1 AND 2. THE EXPOSED REINFORCING STEEL IS CORRODING WITH SCALE SECTION LOSS. THERE ARE MULTIPLE CRACKS UP TO 1/2" WIDE EXTENDING FROM THE DELAMINATION UP TO THE BEARING AREA OF BEAM 2 ON THE CAP. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430243

County HAYWOOD

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

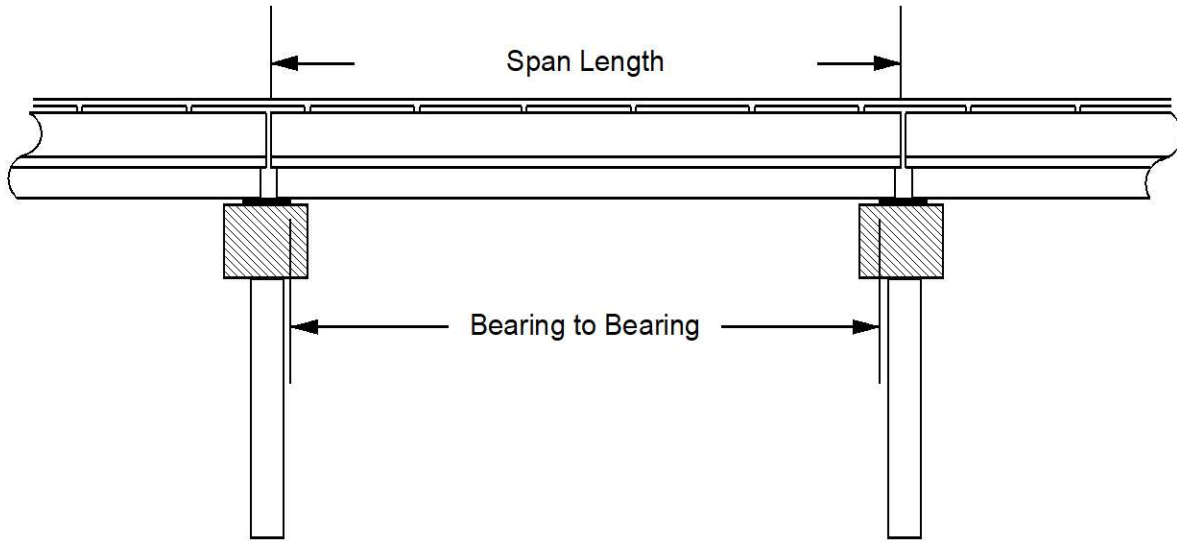
MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	9 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/25/2017	JOSEPH HUNTSINGER	
Details		
<p>Bent 2 Cap 1: THE RIGHT END OF THE CAP HAS A FULL WIDTH X 3' LONG SPALL UP TO 3" DEEP WITH EXPOSED AND CORRODING REINFORCING STEEL TO THE UNDERSIDE OF THE CAP AND THE END OF THE CAP. MULTIPLE CRACKS UP TO 1/2" WIDE IN THE TOP FACE OF THE CAP, AND ALONG THE TOP EDGE OF THE CAP IN THE EAST FACE EXTENDING UNDERNEATH BEAM 10, AND UP TO BEAM 9. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
04/25/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 3 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16" - 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

Structure Data Worksheet

Spans

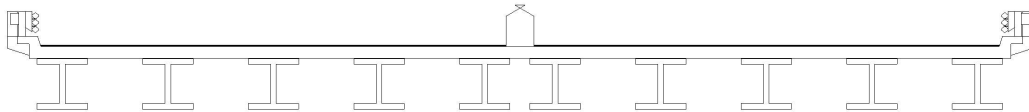
County: HAYWOOD Structure No: 430243 Date: 04/25/2017 Inspected By: JCH



Span No	Span Length	Bearing to Bearing	Comments
0	0	0	0
1	41'- 0"	39' 0"	
2	50'- 0"	48' 1"	
3	54'- 0"	56' 0"	NBIS = 149' 0"

Bridge Inspection Field Sketch

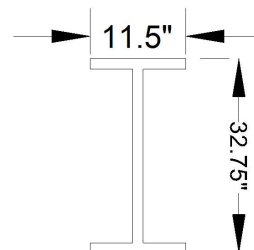
Deck Width/Out to Out	71.417ft	Between Rails	68.000ft
Clear Roadway	68.000ft	Wearing Surface	0.083ft
Median Width	2.000ft	Median Height	2.833ft
Curb Height		Left	0.541ft
		Right	0.541ft
Sidewalk Width		Left	
		Right	
Clear Roadway (Rail to Median)		Left	33ft
		Right	33ft
Guardrail Width		Left	2.625ft
		Right	2.625ft
Top of Rail to Deck/Wearing Surface		Left	2.500ft
		Right	2.500ft
Bridge Rail		Left	Type 33
		Right	Type 33



Measurements for Span #	1		
Deck Thickness	0.854	Left Overhang	3.208
Top of Rail to Bottom of Beam	6.187	Right Overhang	3.208

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	7.5ft	
2	Steel I Beam	7.5ft	
3	Steel I Beam	7.5ft	
4	Steel I Beam	7.5ft	
5	Steel I Beam	5.0ft	
6	Steel I Beam	7.5ft	
7	Steel I Beam	7.5ft	
8	Steel I Beam	7.5ft	
9	Steel I Beam	7.5ft	
10	Steel I Beam	ft	

BEAMS (NON-TAPERED FLANGES)



FLANGES = 11/16"
WEB = 1/2"

4-25-2017 DELVIN ADAMS

Title

Typical Section

Description

Data Worksheet

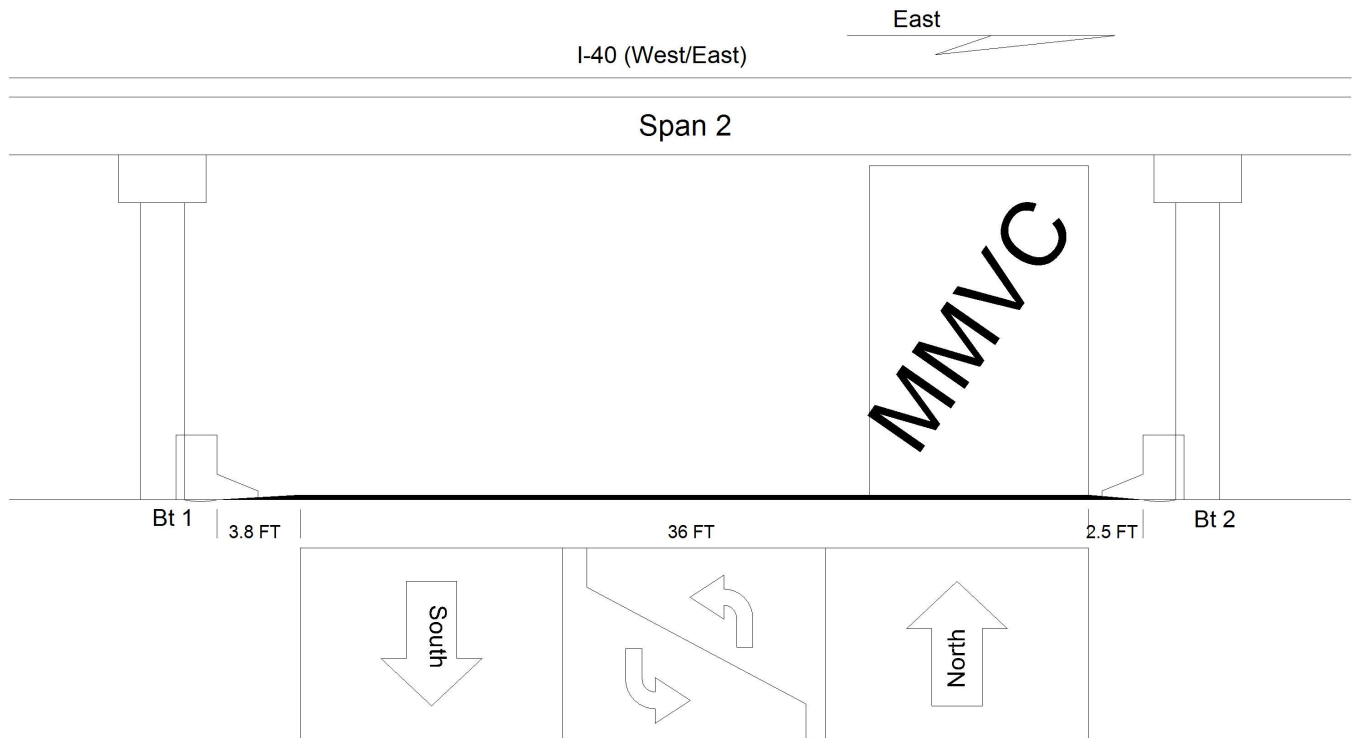
Bridge No: 430243

Drawn By: Roy W. Shook

Date: 07/27/2005

File Name: S0106000214

Bridge Inspection Field Sketch



Roadway 1		Direction of Traffic	North South
Distance to Left Rail	3.8FT	Distance to Right Rail	2.5FT
Distance to Left Toe of Slope		Distance to Left Bent	5.3FT
Distance to Right Toe of Slope		Distance to Right Bent	4FT
MMVC	16.291 Ft at Beam 10, 10 FT from Right Edge of Roadway		
MVC	15.167 Ft at Beam 10, 0.1 FT from Left Edge of Roadway		

VERIFIED 4-25-2017 BY DELVIN ADAMS

Title Underclearance		Description Data Worksheet	
Bridge No: 430243	Drawn By: Roy W. Shook	Date: 07/27/2005	File Name: S0106000215

Bridge Inspection Field Sketch



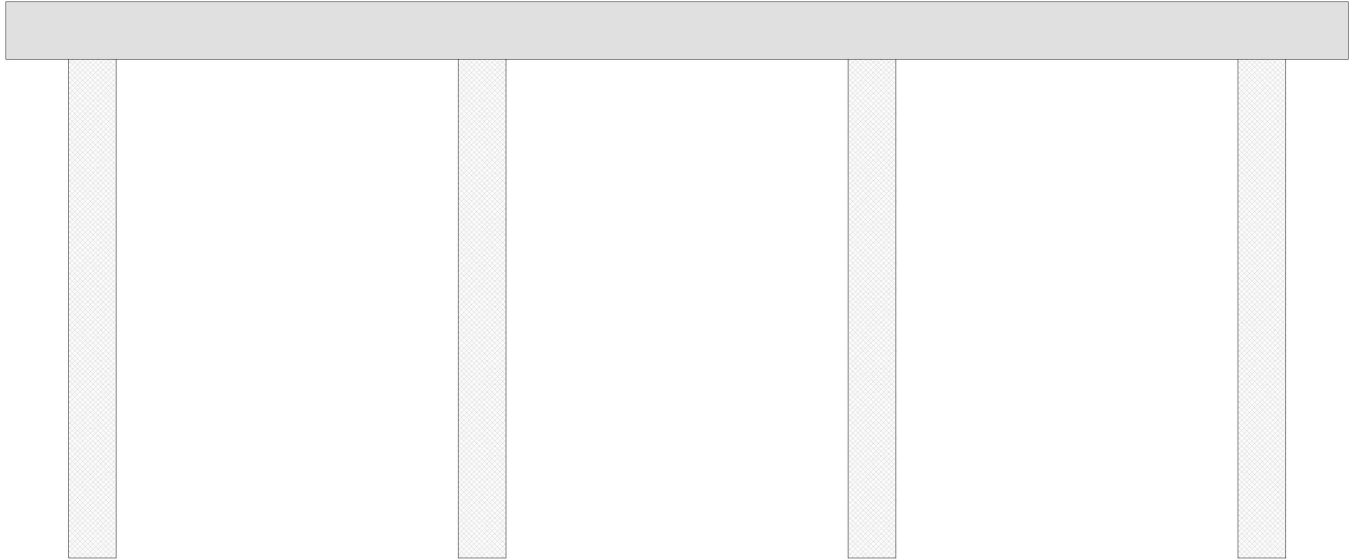
EAST APPROACH HAS GUARDRAIL AT BOTH CORNERS

Left Lanes			
Roadway	24ft Wide	2 Paved Lanes	West Bound
Right Shoulder	6.5ft Wide	6.5ft Paved	
Left Shoulder	6ft Wide	6ft Paved	
Right Guardrail			
Left Guardrail	6ft from road		
Median	2ft Wide	2.8ft High	
Right Lanes			
Roadway	24ft Wide	2 Paved Lanes	East Bound
Left Shoulder	5.9ft Wide	5.9ft Paved	
Right Shoulder	2.2ft Wide	2.2ft Paved	
Left Guardrail	5.9ft from road		
Right Guardrail	2.2ft from road		

4-25-2017 BY DELVIN ADAMS

Title Approach Roadway		Description Data Worksheet	
Bridge No: 430243	Drawn By: DH/RS	Date: 07/27/2005	File Name: S0106000213

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.				
70.000 ft.	3.000 ft.	3.000 ft.	4.500 ft.	4.500 ft.	1.833 ft.	1.833 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	Concrete	20.333 ft.	2.5 ft.	3 ft.		Vertical	No	No	No	No
2	Concrete	20.333 ft.	2.5 ft.	3 ft.		Vertical	No	No	No	No
3	Concrete	20.333 ft.	2.5 ft.	3 ft.		Vertical	No	No	No	No
4	Concrete		2.5 ft.	3 ft.		Vertical	No	No	No	No
Bent/Abutment #: 1			Similar Bents: 2							

Title VERIFIED 4-25-2017 BY DELVIN ADAMS
INTERIOR BENTS

Description
SUBSTRUCTURE DETAILS

Bridge No: 430243

Drawn By: JOE C. HUNTSINGER

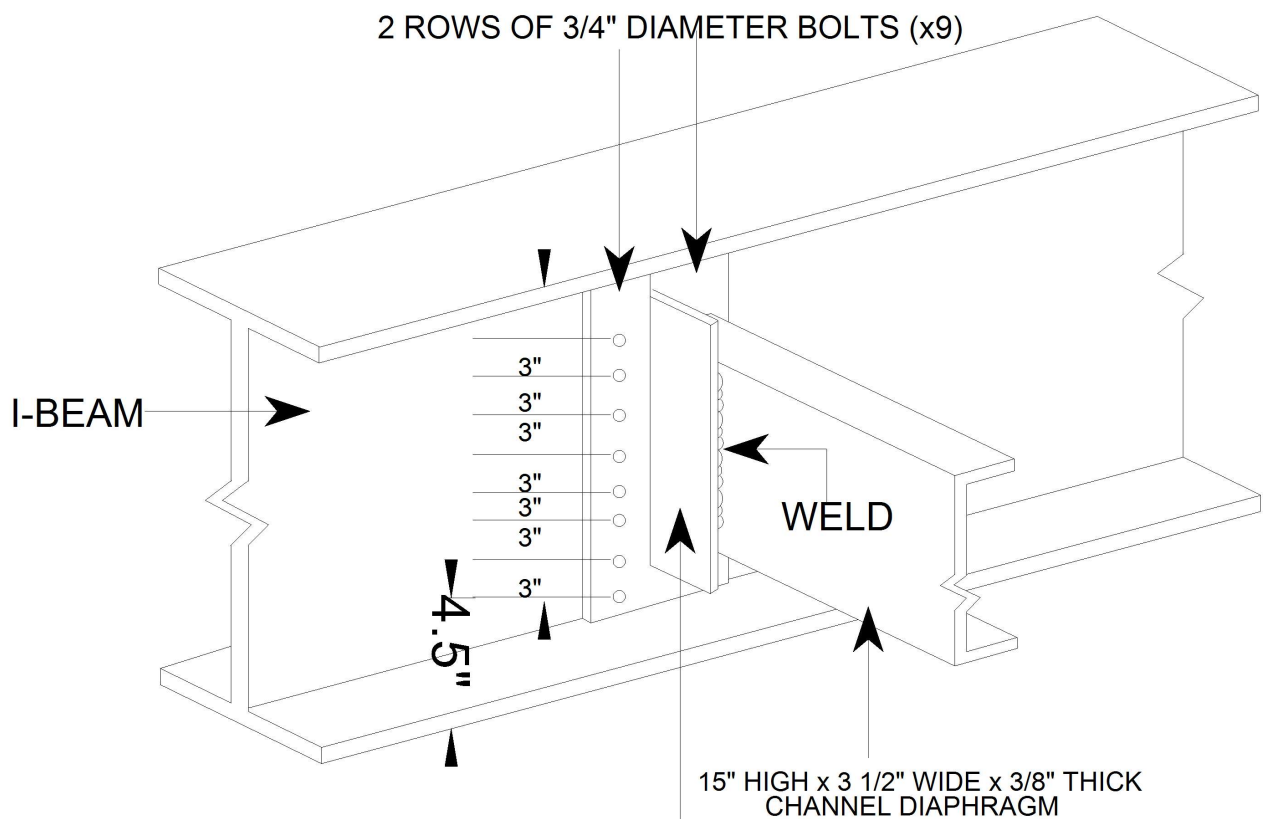
Date: 4/17/2013

File Name: S0106001607

Bridge Inspection Field Sketch

DIAPHRAGM DETAILS

LOCATIONS : MIDPOINTS OF SPANS



26.5" HIGH x 7.5" WIDE x 9" DEEP (3/8" THICK) STEEL T-BRACKET WELDED TO WEB OF CHANNEL DIAPHRAGM AND BOLTED TO WEB OF BEAM

VERIFIED 4-25-2017 BY DELVIN ADAMS

Title

INTERMEDIATE DIAPHRAGMS

Description

SUPERSTRUCTURE DETAILS

Bridge No: 430243

Drawn By: JOE C. HUNTSINGER

Date: 4/17/2013

File Name: S0106001608