



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINTENANCE ISSUED, NEWLY
STRUCTURALLY DEFICIENT

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 02/18/2019

DIVISION: 14 COUNTY: HAYWOOD STRUCTURE NUMBER: 430159 FREQUENCY: 24 MONTHS

FACILITY CARRIED: I-40 MILE POST: 18.7

LOCATION: 1.8 MI.W.JCT.US276

FEATURE INTERSECTED: SR1338

LATITUDE: 35° 37' 31.64" LONGITUDE: 83° 0' 31.41"

SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE: E.BTS:RC CAPS/H-PILES;INT.BTS:RC POST&BEAM

SPANS: 3 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

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

NBI GRADES: DECK 5 SUPERSTRUCTURE 5 SUBSTRUCTURE 4 CULVERT N

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: NONE



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

DIRECTION OF INSPECTION W-E

DIRECTION MATCHES PLANS

LOOKING EAST

INSPECTED BY
JEREMY KEENE

SIGNATURE
Jeremy Keene

ASSISTED BY MAYUR SHARMA

Structure Element Scoring

Structure Number: **430159**

Inspection Date **2/18/2019**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	13130	12524	584	22	0
107	0	Steel Open Girder/Beam	Beam	1700	166	1534	0	0
515	107	Steel Protective Coating	Beam	16440	11661	25	4385	369
205	0	Reinforced Concrete Column	Piles and Columns	12	4	1	7	0
215	0	Reinforced Concrete Abutment	Abutments	188	181	2	5	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	14	14	0	0	0
225	0	Steel Pile	Piles and Columns	16	16	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	418	184	7	227	0
301	0	Pourable Joint Seal	Expansion Joints	392	280	0	112	0
311	0	Movable Bearing	Bearing Device	30	0	13	17	0
515	311	Steel Protective Coating	Bearing Device	60	1	2	24	33
313	0	Fixed Bearing	Bearing Device	30	0	8	22	0
515	313	Steel Protective Coating	Bearing Device	60	0	2	14	44
321	0	Reinforced Concrete Approach Slabs	Approaches	0	0	0	0	0
330	0	Metal Bridge Railing	Bridge Rail	346	275	38	33	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	173	38	83	52	0
510	0	Wearing Surface	Wearing Surfaces	12041	11982	32	27	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **430159**

Inspection Date: **02/18/2019**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	20 Square Feet
3326	Reinforced Concrete Deck	Exposed Rebar	2 Square Feet
3326	Reinforced Concrete Deck	Cracking (RC and Other)	224 Square Feet
3348	Reinforced Concrete Column	Delamination/Spall	47 Each
3348	Reinforced Concrete Column	Exposed Rebar	22 Each
3348	Reinforced Concrete Column	Cracking (RC and Other)	2 Each
3348	Reinforced Concrete Column	Patched Area	5 Each
3350	Reinforced Concrete Abutment	Delamination/Spall	7 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	188 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	5 Feet
3348	Reinforced Concrete Pier Cap	Exposed Rebar	38 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	18 Feet
3310	Pourable Joint Seal	Seal Damage	106 Feet
3310	Pourable Joint Seal	Debris Impaction	6 Feet
3334	Movable Bearing	Corrosion	17 Each
3334	Fixed Bearing	Corrosion	22 Each
3322	Metal Bridge Railing	Damage	50 Feet
3322	Metal Bridge Railing	Cracking	3 Square Feet
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	4 Feet
3318	Reinforced Concrete Bridge Railing	Cracking (RC and Other)	39 Feet
3318	Reinforced Concrete Bridge Railing	Patched Area	9 Square Feet
2816	Wearing Surface	Patched Area/Pothole (Wearing Surface)	10 Square Feet
2816	Wearing Surface	Delamination/Spall (Wearing Surfaces)	19 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	4874 Square Feet
3342	Steel Protective Coating	Peeling/Bubbling/Cracking (steel Protective Coatings)	25 Square Feet

Element Structure Maintenance Quantities

Structure Number: **430159**

Inspection Date **02/18/2019**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	7	188	0	5	2	181
Approaches	3353	Maintenance of Concrete Bridge Approach Slabs	0	0	0	0	0	0
Beam	3314	Maintenance Steel Superstructure Components	0	1700	0	0	1534	166
Beam	3342	Clean and Paint Steel	4779	16440	369	4385	25	11661
Bearing Device	3334	Bridge Bearing	39	60	0	39	21	0
Bearing Device	3342	Clean and Paint Steel	120	120	77	38	4	1
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	52	173	0	52	83	38
Bridge Rail	3322	Maintenance of Steel Bridge Rail	53	346	0	33	38	275
Caps	3348	Maintenance of Concrete Substructure	249	418	0	227	7	184
Deck	3326	Maintenance of Concrete Deck	246	13130	0	22	584	12524
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	112	392	0	112	0	280
Footing	3348	Maintenance of Concrete Substructure	0	14	0	0	0	14
Piles and Columns	3348	Maintenance of Concrete Substructure	76	12	0	7	1	4
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	16	0	0	0	16
Wearing Surfaces	2816	Asphalt Surface Repair	29	12041	0	27	32	11982

Element Condition and Maintenance Data

Structure Number: **430159**

Inspection Date: **02/18/2019**

Span 1

Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	2,894	2,712	165	17	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Delamination/Spall	SPALL/DELAMINATED AREA, 5 FT X 3 FT ON UNDERSIDE OF DECK WITH SPALL 1 FT DIAMETER X 1.5" DEEP IN BAY 4 ADJACENT TO GIRDER 5 WITH EXPOSED REBAR, NO SECTION LOSS	3	15	15	Square Feet
12	Delamination/Spall	SPAN 1, BOTTOM OF DECK, BAY 4 AT END BENT 1 HAS A SPALL, 9 INCHES X 7 INCHES X 1.5 INCHES DEEP WITH REBAR EXPOSED, NO SECTION LOSS	3	1	1	Square Feet
12	Delamination/Spall	SPAN 1, BOTTOM OF LEFT OVERHANG AT BENT 1 HAS AN AREA OF DELAMINATION 12 INCHES IN DIAMETER WITH 1/2 INCH SEPARATION WITH RUST STAINS	3	1	1	Square Feet
12	Cracking (RC and Other)	8 - FULL WIDTH HAIRLINE TRANSVERSE CRACKS IN UNDERSIDE OF DECK IN BAY 5 SCATTERED THROUGHOUT SPAN WITH EFFLORESCENCE, 3 SIMILAR IN BAY 6 AND 2 SIMILAR IN BAYS 8 AND 9	2	120		Square Feet
12	Cracking (RC and Other)	SPAN 1, BOTTOM OF THE DECK, BAY 5 HAS HAIRLINE TRANSVERSE CRACKS WITH EFFLO. X 42 INCHES LONG, FOR A TOTAL OF 24 SQ. FT. IN BAY 5	2	24		Square Feet
12	Cracking (RC and Other)	TWO TRANSVERSE HAIRLINE CRACKS IN UNDERSIDE OF DECK IN BAY 4 UP TO 3 FT LONG WITH EFFLORESCENCE NEAR END BENT 1	2	6		Square Feet
12	Patched Areas	SOUND PATCH, 3 FT X 5 FT ON UNDERSIDE OF DECK IN BAY 6, 4 FT FROM BENT 1	2	15		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	37	0	37	0	0	Feet
515	Steel Protective Coating	343	275	0	60	8	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 2 FT AT BENT 1 WITH NO MEASUREABLE SECTION LOSS	2	2		Feet
107	Corrosion	OUTSIDE TOP OF BOTTOM FLANGE HAS SURFACE CORROSION THROUGHOUT THE SPAN, NO MEASUREABLE SECTION LOSS	2	35		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	8	8	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	60	60	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	37	6	31	0	0	Feet
515	Steel Protective Coating	343	273	0	70	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 6 FT AT BENT 1 WITH NO MEASUREABLE SECTION LOSS	2	6		Feet
107	Corrosion	SPAN 1, BEAM 2 HAS 25 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE BEAM	2	25		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	70	70	Square Feet

General Comments

Span 1**Beam 3****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	37	4	33	0	0	Feet
515	Steel Protective Coating	343	262	0	75	6	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 12 FT AT BENT 1 WITH NO MEASUREABLE SECTION LOSS	2	5		Feet
107	Corrosion	SPAN 1, BEAM 3 HAS 28 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE BEAM	2	28		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	6	6	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	75	75	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	37	6	31	0	0	Feet
515	Steel Protective Coating	343	265	0	70	8	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 6 FT AT BENT 1 WITH NO MEASUREABLE SECTION LOSS	2	6		Feet
107	Corrosion	SPAN 1, BEAM 4 HAS 25 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE BEAM	2	25		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	8	8	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	70	70	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	37	0	37	0	0	Feet
515	Steel Protective Coating	343	263	0	80	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 14 FT AT BENT 1 WITH NO MEASUREABLE SECTION LOSS	2	12		Feet
107	Corrosion	SPAN 1, BEAM 5 HAS 25 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE BEAM	2	25		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	80	80	Square Feet

General Comments

Span 1**Beam 6****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	37	7	30	0	0	Feet
515	Steel Protective Coating	343	268	0	70	5	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 10 FT AT BENT 1 WITH NO MEASUREABLE SECTION LOSS	2	10		Feet
107	Corrosion	SPAN 1, BEAM 6 HAS 24 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE BEAM	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	5	5	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	70	70	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	37	3	34	0	0	Feet
515	Steel Protective Coating	343	259	0	80	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 6 FT AT BENT 1 WITH NO MEASUREABLE SECTION LOSS	2	6		Feet
107	Corrosion	SPAN 1, BEAM 7 HAS 28 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE BEAM	2	28		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	4	4	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	80	80	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	37	32	5	0	0 Feet
515	Steel Protective Coating	343	232	25	80	6 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 5 FT AT BENT 1 WITH NO MEASUREABLE SECTION LOSS	2	5	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	6	6 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	80	80 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	SPAN 1, BEAM 8 HAS 25 SQ. FT. OF PAINT PEELING FROM THE RIGHT WEB NEAR END BENT 1	2	25	25 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	37	5	32	0	0 Feet
515	Steel Protective Coating	343	263	0	80	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 5 FT AT BENT 1 WITH NO MEASUREABLE SECTION LOSS	2	5	Feet
107	Corrosion	SPAN 1, BEAM 9 HAS 27 FT. OF FRECKLED RUST THRU OUT THE LENGTH OF THE BEAM	2	27	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	80	80 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	37	0	37	0	0 Feet
515	Steel Protective Coating	343	213	0	130	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 2 FT AT BENT 1 WITH NO MEASUREABLE SECTION LOSS	2		Feet
107	Corrosion	SPAN 1, BEAM 10 HAS 37 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE BEAM	2	37	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	130	130 Square Feet
General Comments					

Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	2,654	2,642	12	0	0	Square Feet

General Comments

Left Bridge Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	38	35	3	0	0	Feet

General Comments

Right Bridge Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	38	21	17	0	0 Feet

General Comments

Median Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	38	0	28	10	0 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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1	Each

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515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	SURFACE CORROSION PRESENT ON BEARING PLATES	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	1	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	4	1	1 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
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313	Corrosion	PACK RUST PRESENT ON BEARING PLATES	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	3	2	2	Square Feet

General Comments

Span 1 Expansion Joint**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	98	88	0	10	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
301	Debris Impaction	DEBRIS IMPACTION IN JOINT AT RIGHT SHOULDER, NO IMPACT ON MOVEMENT	3	6	6	Feet
301	Seal Damage	JOINT MATERIAL MISSING FOR 4 FT IN CENTER OF RIGHT LANE	3	4	4	Feet

General Comments

JOINT PAVED OVER IN WEST BOUND LANE

Span 2 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	4,558	4,462	95	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Delamination/Spall	SPAN 2, BOTTOM OF LEFT OVERHANG AT BENT 1 HAS A SPALL, 12 INCHES X 8 INCHES X 1 INCH DEEP WITH EXPOSED REBAR, NO SECTION LOSS	3	1	1	Square Feet
12	Cracking (RC and Other)	FULL WIDTH HAIRLINE TRANSVERSE CRACKS IN UNDERSIDE OF DECK WITH EFFLORESCENCE SCATTERED THROUGHOUT ALL BAYS, BAY 5 SHOWN HERE	2	64		Square Feet

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12	Patched Areas	SPAN 2 BAY 3 BOTTOM OF DECK, 8 FT. FROM BENT 2 HAS A SOUND PATCH, 4 FT. X 7 FT.	2	28	Square Feet
12	Patched Areas	SPAN 2 BAY 4 BOTTOM OF DECK, 6 FT. FROM BENT 2 HAS A SOUND PATCH, 20 INCHES X 30 INCHES	2	3	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	59	0	59	0	0	Feet
515	Steel Protective Coating	580	426	0	135	19	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 11 FT AT BENT 1 WITH NO MEASUREABLE SECTION LOSS, SIMILAR FOR 8 FT AT BENT 2	2	19		Feet
107	Corrosion	SPAN 2, BEAM 1 HAS 40 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE BEAM	2	40		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	19	19	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	135	135	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	59	0	59	0	0	Feet
515	Steel Protective Coating	580	408	0	165	7	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 6 FT AT BENT 1 WITH NO MEASUREABLE SECTION LOSS, SIMILAR FOR 18 FT AT BENT 2	2	24		Feet
107	Corrosion	SPAN 2, BEAM 2 HAS 54 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE BEAM	2	35		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	7	7	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	165	165	Square Feet

General Comments**Span 2****Beam 3****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	59	0	59	0	0	Feet
515	Steel Protective Coating	580	351	0	170	59	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR FULL LENGTH OF BEAM, NO MEASUREABLE SECTION LOSS	2	4		Feet

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107	Corrosion	SPAN 2, BEAM 3 HAS 55 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE BEAM	2	55	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	59	59 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	170	170 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	59	0	59	0	0 Feet
515	Steel Protective Coating	580	351	0	170	59 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR FULL LENGTH OF BEAM, NO MEASUREABLE SECTION LOSS	2	4	Feet
107	Corrosion	SPAN 2, BEAM 4 HAS 55 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE BEAM	2	55	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	59	59 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	170	170 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	59	0	59	0	0 Feet
515	Steel Protective Coating	580	424	0	140	16 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR FULL LENGTH OF BEAM, NO MEASUREABLE SECTION LOSS	2	16	Feet
107	Corrosion	SPAN 2, BEAM 5 HAS 43 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE BEAM	2	43	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	16	16 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	140	140 Square Feet

General Comments**Span 2****Beam 6****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	59	0	59	0	0 Feet
515	Steel Protective Coating	580	406	0	155	19 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 10 FT AT BENT 1 WITH NO MEASUREABLE	2	19	Feet

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107	Corrosion	SECTION LOSS, SIMILAR FOR 9 FT AT BENT 2 SPAN 2, BEAM 6 HAS 54 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE SPAN	2	40	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	19	19 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	155	155 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	59	5	54	0	0 Feet
515	Steel Protective Coating	580	371	0	150	59 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR FULL LENGTH OF BEAM, NO MEASUREABLE SECTION LOSS	2	1	Feet
107	Corrosion	SPAN 2, BEAM 7 HAS 53 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE BEAM	2	53	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	59	59 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	150	150 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	59	0	59	0	0 Feet
515	Steel Protective Coating	580	423	0	140	17 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 5 FT AT BENT 1 WITH NO MEASUREABLE SECTION LOSS, SIMILAR FOR 12 FT AT BENT 2	2	9	Feet
107	Corrosion	SPAN 2, BEAM 8 HAS 50 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE BEAM	2	50	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	17	17 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	140	140 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	59	0	59	0	0	Feet
515	Steel Protective Coating	580	410	0	165	5	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 5 FT AT BENT 1 WITH NO MEASUREABLE SECTION LOSS, SIMILAR FOR 8 FT AT BENT 2	2	4		Feet
107	Corrosion	SPAN 2, BEAM 9 HAS 55 FT. OF FRECKLED RUST THROUGHOUT LENGTH OF BEAM	2	55		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	5	5	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	165	165	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	59	0	59	0	0	Feet
515	Steel Protective Coating	580	398	0	180	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 2 FT AT BENT 1 WITH NO MEASUREABLE SECTION LOSS, SIMILAR FOR 1 FT AT BENT 2	2			Feet
107	Corrosion	SPAN 2, BEAM 10 HAS 59 FT. OF FRECKLED RUST THROUGHOUT THE LENGTH OF THE BEAM	2	59		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	2	2	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	180	180	Square Feet

General Comments

Span 2**Wearing Surface****Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	4,180	4,139	20	21	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Delamination/Spall (Wearing Surfaces)	DELAMINATED AREA, 5 FT X 1 FT WITH POT HOLE, 3 FT X 1 FT IN RIGHT WEST BOUND TRAVEL LANE IN LEFT WHEEL LINE	3	5	5	Square Feet
510	Delamination/Spall (Wearing Surfaces)	DELAMINATION, 3 FT X 1 FT IN RIGHT LANE IN RIGHT WHEEL PATH OVER BENT 2 WITH CRACKS UP TO 5/8" WIDE	3	3	3	Square Feet
510	Delamination/Spall (Wearing Surfaces)	THREE POT HOLES UP TO 1 FT X 3" X 1" DEEP AT CENTERLINE OF ROADWAY SCATTERED ALONG DECK	3	3	3	Square Feet
510	Patched Area/Pothole (Wearing Surface)	WEARING SURFACE DEPRESSIONS, 5 FT X 2 FT UP TO 3/4" DEEP IN RIGHT WHEEL LINE IN WEST BOUND RIGHT LANE OVER BENT 1	3	10	10	Square Feet

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General Comments

Steel Rail

General Comments

Steel Rail

General Comments

Concrete Railing

General Comments

Span 2**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	PACK RUST PRESENT ON BEARING PLATES	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	4	2	2	Square Feet	
General Comments							

Span 2**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	PACK RUST PRESENT ON BEARING PLATES	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	4	2	2	Square Feet	
General Comments							

Span 2**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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1		Each	
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	3	2	2	Square Feet	
General Comments							

Span 2**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	PACK RUST PRESENT ON BEARING PLATES	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	4	2	2	Square Feet	

General Comments**Span 2 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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	4	2	2 Square Feet

General Comments**Span 2 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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	3	2	2 Square Feet

General Comments**Span 2 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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	4	2	2 Square Feet

General Comments**Span 2 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
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313	Corrosion	PACK RUST PRESENT ON BEARING PLATES	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	4	2	2	Square Feet

General Comments**Span 2 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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	4	2	2 Square Feet

General Comments**Span 2 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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	3	2	2 Square Feet

General Comments**Span 2 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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	4	2	2 Square Feet

General Comments

Span 2 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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	3	2		2	Square Feet
General Comments							

Span 2 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	PACK RUST PRESENT ON BEARING PLATES	3	1		1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	4	2		2	Square Feet
General Comments							

Span 2 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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	3	2		2	Square Feet
General Comments							

Span 2 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	PACK RUST PRESENT ON BEARING PLATES	3	1		1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	4	2		2	Square Feet

General Comments**Span 2 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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	4	2	2 Square Feet

General Comments**Span 2 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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	3	2	2 Square Feet

General Comments**Span 2 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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	3	2	2 Square Feet

General Comments**Span 2 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
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311	Corrosion	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	3	2	2 Square Feet

General Comments**Span 2 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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	3	2	2 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	98	94	0	4	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
301	Seal Damage	MISSING JOINT MATERIAL SCATTERED THROUGHOUT JOINT LESS THAN 2" WIDE	3	4	4 Feet

General Comments

JOINT PARTIALLY PAVED OVER

Span 3 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	5,678	5,350	324	4	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Delamination/Spall	SPAN 3 BOTTOM OF BAY 9 DECK HAS A SPALL, 22 INCHES IN DIAMETER X 1.5 INCHES DEEP WITH EXPOSED REBAR, NO SECTION LOSS, 24 FT FROM END BENT 2	3	2	2 Square Feet
12	Exposed Rebar	SPAN 3 BOTTOM OF BAY 9 DECK HAS A SPALL, 8 INCHES X 11 INCHES X 1 INCH DEEP WITH EXPOSED REBAR, 16 FT. FROM END BENT 2, NO SECTION LOSS	3	1	1 Square Feet
12	Exposed Rebar	SPAN 3 BOTTOM OF DECK, BAY 4, 6 FT. FROM END BENT 2 HAS A SPALL, 9 INCHES X 16 INCHES X 1 INCH DEEP WITH REBAR EXPOSED	3	1	1 Square Feet
12	Cracking (RC and Other)	FULL WIDTH HAIRLINE TRANSVERSE CRACKS IN UNDERSIDE OF DECK WITH EFFLORESCENCE SCATTERED THROUGHOUT ALL BAYS	2	224	224 Square Feet
12	Patched Areas	SPAN 3 BOTTOM OF BAY 2 DECK HAS A 16 INCH X 24 INCH SOUND PATCHED AREA AT MID-SPAN, WITH A TOTAL OF 100 SQ. FT. OF SOUND PATCHES THROUGHOUT THE BOTTOM OF THE SPAN	2	100	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	74	10	64	0	0	Feet
515	Steel Protective Coating	721	509	0	200	12	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 4 FT AT BENT 2 WITH NO MEASUREABLE SECTION LOSS	2	4		Feet
107	Corrosion	GIRDER HAS SURFACE CORROSION THROUGHOUT TOP OF OUTSIDE BOTTOM FLANGE AND SCATTERED THROUGHOUT WEB AND FLANGES, NO MEASUREABLE SECTION LOSS	2	60		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	12	12	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	200	200	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	74	20	54	0	0	Feet
515	Steel Protective Coating	721	527	0	190	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 4 FT AT BENT 2 WITH NO MEASUREABLE SECTION LOSS	2	4		Feet
107	Corrosion	GIRDER HAS SURFACE CORROSION SCATTERED THROUGHOUT WEB AND FLANGES, NO MEASUREABLE SECTION LOSS	2	50		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	4	4	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	190	190	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	74	5	69	0	0	Feet
515	Steel Protective Coating	721	512	0	200	9	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 9 FT AT BENT 2 WITH NO MEASUREABLE SECTION LOSS	2	9		Feet
107	Corrosion	GIRDER HAS SURFACE CORROSION SCATTERED THROUGHOUT WEB AND FLANGES, NO MEASUREABLE SECTION LOSS	2	60		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	9	9	Square Feet

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515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	200	200	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	74	1	73	0	0 Feet
515	Steel Protective Coating	721	508	0	200	13 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 13 FT AT BENT 2 WITH NO MEASUREABLE SECTION LOSS	2	13		Feet
107	Corrosion	GIRDER HAS SURFACE CORROSION SCATTERED THROUGHOUT WEB AND FLANGES, NO MEASUREABLE SECTION LOSS	2	60		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	13	13	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	200	200	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	74	15	59	0	0 Feet
515	Steel Protective Coating	721	522	0	190	9 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 9 FT AT BENT 2 WITH NO MEASUREABLE SECTION LOSS	2	9		Feet
107	Corrosion	GIRDER HAS SURFACE CORROSION SCATTERED THROUGHOUT WEB AND FLANGES, NO MEASUREABLE SECTION LOSS	2	50		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	9	9	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	190	190	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	74	11	63	0	0 Feet
515	Steel Protective Coating	721	518	0	195	8 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 8 FT AT BENT 2 WITH NO MEASUREABLE	2	8		Feet

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		SECTION LOSS				
107	Corrosion	GIRDER HAS SURFACE CORROSION SCATTERED THROUGHOUT WEB AND FLANGES, NO MEASUREABLE SECTION LOSS	2	55	Feet	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	8	8 Square Feet	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	195	195 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	74	16	58	0	0 Feet
515	Steel Protective Coating	721	523	0	195	3 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 3 FT AT BENT 2 WITH NO MEASUREABLE SECTION LOSS	2	3	Feet
107	Corrosion	GIRDER HAS SURFACE CORROSION SCATTERED THROUGHOUT WEB AND FLANGES, NO MEASUREABLE SECTION LOSS	2	55	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	3	3 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	195	195 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	74	7	67	0	0 Feet
515	Steel Protective Coating	721	504	0	210	7 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 7 FT AT BENT 2 WITH NO MEASUREABLE SECTION LOSS	2	7	Feet
107	Corrosion	GIRDER HAS SURFACE CORROSION SCATTERED THROUGHOUT WEB AND FLANGES, NO MEASUREABLE SECTION LOSS	2	60	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	7	7 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	210	210 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	74	12	62	0	0 Feet
515	Steel Protective Coating	721	509	0	210	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB FOR 2 FT AT BENT 2 WITH NO MEASUREABLE SECTION LOSS	2	2	Feet
107	Corrosion	GIRDER HAS SURFACE CORROSION SCATTERED THROUGHOUT WEB AND FLANGES, NO MEASUREABLE SECTION LOSS	2	60	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	2	2 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	210	210 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	74	1	73	0	0 Feet
515	Steel Protective Coating	721	488	0	230	3 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	GIRDER HAS SURFACE CORROSION THROUGHOUT TOP OF OUTSIDE BOTTOM FLANGE AND SCATTERED THROUGHOUT WEB AND FLANGES, NO MEASUREABLE SECTION LOSS	2	73	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS FAILED DUE TO RUST	4	3	3 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	230	230 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	5,207	5,201	0	6	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Delamination/Spall (Wearing Surfaces)	TWO POT HOLES UP TO 3 FT X 1 FT X 3" DEEP IN LEFT AND RIGHT WHEEL PATHS IN RIGHT TRAVEL LANE WITH EXPOSED STEEL PLATES COVERING JOINTS	3	6	6 Square Feet

General Comments

Span 3 Left Bridge Rail**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	75	70	2	3	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Cracking	3 - FULL HEIGHT VERTICAL CRACKS UP TO 1/16" WIDE IN FACE OF RAIL SCATTERED THROUGHOUT	3	3	3 Square Feet
330	Cracking	2 - FULL HEIGHT HAIRLINE VERTICAL CRACKS IN FACE OF RAIL SCATTERED THROUGHOUT	2	2	Square Feet
General Comments					

Span 3 Right Bridge Rail**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	75	69	6	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Cracking	6 - FULL HEIGHT HAIRLINE VERTICAL CRACKS IN FACE OF RAIL SCATTERED THROUGHOUT	2	6	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		75	38	12	25	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	19 - FULL HEIGHT VERTICAL CRACKS UP TO 1/16" WIDE ON NORTH AND SOUTH FACE	3	19	19 Feet
331	Patched Area	UNSOUND PATCH/DELAMINATED, 6 FT X 1 FT WITH SPALLING UP TO 1" DEEP AROUND EDGES OF DELAMINATION, 15 FT FROM END BENT 2, NO EXPOSED REBAR	3	6	6 Square Feet
331	Cracking (RC and Other)	12 FT OF HAIRLINE MAP CRACKING ON SOUTH FACE BEGINNING AT END BENT 2	2	12	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1	Each

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515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	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	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	PACK RUST PRESENT ON BEARING PLATES		3	1		1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT		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	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	2	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	2	2		3	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	PACK RUST PRESENT ON BEARING PLATES	3	1		1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1			Each

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515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	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	2	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	2	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	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	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	SURFACE CORROSION PRESENT ON BEARING PLATES	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, SURFACE CORROSION PRESENT	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	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	PACK RUST PRESENT ON BEARING PLATES	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS NO LONGER EFFECTIVE, CORROSION AND PACK RUST PRESENT	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	98	98	0	0	0 Feet

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

NOT VISIBLE

Span 3 Expansion Joint**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
301	Pourable Joint Seal	98	0	0	98	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
301	Seal Damage	JOINT MATERIAL MISSING FOR FULL LENGTH OF JOINT WITH DEBRIS IN JOINT THROUGHOUT THE OUTSIDE SHOULDERS	3	98	98 Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	102	88	0	14	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	END BENT 1, FACE OF CAP HAS A 1/4 INCH WIDE LONGITUDINAL CRACK IN BAYS 4 AND 5, 10 FT. LONG WITH RUST STAINS, PHOTO TAKEN IN BAY 4	3	10	10 Feet
234	Cracking (RC and Other)	FULL HEIGHT VERTICAL CRACK ON NORTH FACE OF CAP UNDER GIRDER 2 UP TO 1/8" WIDE EXTENDING 1 FT IN TOP OF CAP	3	1	1 Feet
234	Delamination/Spall	DELAMINATION, 3 FT X 2" ON FACE OF CAP UNDER BAY 2	3	3	3 Feet

234 Damage 1/16" STANDING WATER ON TOP OF CAP OUTSIDE 2 Feet
GIRDER 1, BAY 1 SIMILAR

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	98	0	4	94	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	BENT 1 CAP, BAY 1, NEAR THE TOP EDGE IN SPAN 1 HAS A 1/8 INCH WIDE CRACK, 16 INCHES LONG	3	2	2 Feet
234	Cracking (RC and Other)	FULL WIDTH TRANSVERSE CRACK ON UNDERSIDE OF CAP UNDER GIRDER 7 UP TO 1/16" WIDE	3		1 Feet
234	Delamination/Spall	BENT 1 CAP, SPAN 1 SIDE AT BAY 1 HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, 24 INCHES X 12 INCHES WITH 3/16 INCH SEPARATION, NEAR TOP EDGE	3	2	2 Feet
234	Delamination/Spall	BENT 1 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION AT THE TOP EDGE UNDER BEAM 6, 28 INCHES LONG X 9 INCHES HIGH ON THE FACE X 5 INCHES ACROSS THE TOP WITH 1/8 INCH SEPARATION, CRACK ON TOP RUNS ADJACENT TO BEARING AT THIS BEAM	3	2	2 Feet
234	Delamination/Spall	BENT 1 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION IN BAY 1, AT TOP EDGE, 26 INCHES LONG X 5 INCHES WIDE ACROSS THE TOP AND UP TO 3 INCHES HIGH DOWN THE FACE	3	2	2 Feet
234	Delamination/Spall	BENT 1 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 5, 24 INCHES X 29 INCHES WITH 1/8 INCH SEPARATION	3	2	2 Feet
234	Delamination/Spall	BENT 1 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP UNDER BEAM 8 NEAR TOP EDGE, 12 INCHES IN DIAMETER, WITH 1/32 INCH SEPARATION	3	1	1 Feet
234	Delamination/Spall	BENT 1 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP UNDER BEAM 9, NEAR TOP EDGE, 20 INCHES LONG X 12 INCHES DOWN THE FACE X 3 INCHES ACROSS THE TOP WITH 1/16 INCH SEPARATION	3	2	2 Feet
234	Delamination/Spall	BENT 1 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, ABOVE PILE 4, 2 FT. BELOW TOP OF CAP, 24 INCHES IN DIAMETER WITH 1/8 INCH SEPARATION	3	2	2 Feet
234	Delamination/Spall	BENT 1 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION IN THE TOP AND FACE IN BAY 6, 36 INCHES LONG X 10 INCHES DOWN THE FACE X 9 INCHES ACROSS THE TOP WITH 1/8 INCH SEPARATION	3	3	3 Feet
234	Delamination/Spall	DELAMINATION, 12" DIAMETER ON WEST FACE UNDER GIRDER 1 WITH 6" DIAMETER SPALL WITH EXPOSED REBAR, NO SECTION LOSS	3	1	1 Feet
234	Delamination/Spall	DELAMINATION, 18" X 4" ON EAST FACE ABOVE COLUMN 4	3	2	2 Feet
234	Delamination/Spall	DELAMINATION, 2 FT X 6" X 4" ON EAST FACE OF CAP AT BOTTOM BELOW GIRDER 5	3	2	2 Feet
234	Delamination/Spall	DELAMINATION, 20" X 19" ON EAST FACE UNDER GIRDER 9	3		4 Feet
234	Delamination/Spall	DELAMINATION, 3 FT X 18" ON WEST FACE OF CAP BELOW BAY 4 AT TOP	3	3	3 Feet
234	Delamination/Spall	DELAMINATION, 6 FT X 6" X 1 FT ON UNDERSIDE OF CAP AND WEST FACE WITH 1/4" CRACK RUNNING THROUGH	3	6	6 Feet
234	Delamination/Spall	SPALL AND DELAMINATED AREA, 21 FT X FULL HEIGHT OF CAP X 3" DEEP ON WEST FACE OF CAP UNDER BAYS 5 AND 6 WITH EXPOSED REBAR, NO SECTION LOSS	3	21	21 Feet
234	Delamination/Spall	SPALL AND DELAMINATED AREA, 7 FT X 2 FT X 7" ON EAST FACE OF CAP UNDER GIRDER 6 WITH NO EXPOSED REBAR	3	7	7 Feet

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234	Delamination/Spall	SPALL, 24" X 8" X 6" ON BOTTOM OF EAST FACE OF CAP BELOW GIRDER 5 WITH EXPOSED REBAR, NO SECTION LOSS	3	1	2 Feet
234	Delamination/Spall	SPALL, 29" X 32" X 2.5" DEEP ON EAST FACE OF CAP UNDER BAY 3 WITH EXPOSED REBAR, NO SECTION LOSS	3	2	3 Feet
234	Delamination/Spall	SPALL, 4 FT X 2 FT X 2.5" DEEP ON WEST FACE UNDER GIRDER 3 WITH EXPOSED REBAR, NO SECTION LOSS	3		4 Feet
234	Delamination/Spall	SPALL, 4 FT X 2 FT X 3" DEEP ON WEST FACE OF CAP BELOW GIRDER 5 AT TOP WITH EXPOSED REBAR, NO MEASUREABLE SECTION LOSS	3		4 Feet
234	Delamination/Spall	SPALL, 4 FT X 2.5 FT X 3" DEEP ON EAST FACE BELOW BAY 9 WITH EXPOSED REBAR, NO MEASUREABLE SECTION LOSS. PAR	3	4	4 Feet
234	Delamination/Spall	SPALL, 4.5 FT X 20" X 5" ON EAST FACE OF CAP ON UNDER GIRDER 6 WITH EXPOSED REBAR WITH UP TO 5% SECTION LOSS, PM	3	5	5 Feet
234	Delamination/Spall	SPALL, FULL WIDTH X 2 FT HIGH X 2" DEEP ON WEST FACE OF CAP BELOW BAY 3 WITH EXPOSED REBAR, NO SECTION LOSS	3		5 Feet
234	Delamination/Spall	SPALLED/DELAMINATED AREA, 24" X 15" X 8" ON EAST FACE UNDER BAY 4 WITH NO EXPOSED REBAR	3	2	2 Feet
234	Exposed Rebar	BENT 1 CAP, SPAN 1 SIDE HAS AN AREA OF SPALLING BETWEEN PILES 2 AND 3 IN THE FACE OF THE CAP, 9 FT. LONG X 16 INCHES HIGH X 1.5 INCHES DEEP WITH EXPOSED REBAR	3	9	9 Feet
234	Exposed Rebar	THREE DELAMINATIONS, UP TO 6 FT X 18" ON EAST FACE BELOW GIRDER 6	3	6	6 Feet
234	Patched Area	UNSOUND PATCH, DELAMINATION, 5 FT X 18" ON EAST FACE UNDER GIRDER 7	3	5	5 Feet
234	Cracking (RC and Other)	4 FT HORIZONTAL HAIRLINE CRACK ON EAST FACE UNDER BAY 5 NEAR BOTTOM OF CAP	2	4	Feet

General Comments**Bent 1****Pile 1****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	DELAMINATION, 1.5 FT X 1.5 FT ON WEST FACE MIDHEIGHT OF COLUMN. PAR	3		3 Each
205	Delamination/Spall	DELAMINATION, 4.5 FT X 1 FT X 6" ON SOUTHWEST CORNER WITH CRACKING UP TO 1/4" WIDE, TOP OF COLUMN	3		5 Each
205	Delamination/Spall	SPALL, 2 FT X 6" X 6", ON NORTHEAST CORNER OF COLUMN AT TOP WITH EXPOSED REBAR WITH SECTION LOSS UP TO 10% OF ONE MAIN REINFORCING BAR, PM	3	1	2 Each
205	Exposed Rebar	SPALL/DELAMINATED AREA, 8 FT X 1 FT X 6" WITH SPALL, 6 FT X 1 FT X 6" ON NORTHEAST CORNER WITH EXPOSED REBAR, NO SECTION LOSS AT THE TOP OF THE COLUMN . PAR	3		6 Each

General Comments**Bent 1****Pile 2****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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205	Delamination/Spall	DELAMINATION, 2 FT X 6" X 3" ON NORTHWEST CORNER WITH 4 FT VERTICAL CRACK UP TO 1/8" WIDE, TOP OF COLUMN	3		6	Each
205	Delamination/Spall	DELAMINATIONS, 2 FT X 4" X 6" ON SOUTHEAST AND SOUTHWEST CORNERS, TOP OF COLUMN	3		4	Each
205	Delamination/Spall	SPALL, 3 FT X 15" X 3.5" ON NORTHEAST CORNER WITH EXPOSED REBAR, NO SECTION LOSS ADJACENT TO DELAMINATION, 2 FT X 1 FT ON EAST FACE, TOP OF COLUMN	3	1	5	Each

General Comments**Bent 1****Pile 3****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	BENT 1, PILE 3 HAS AN AREA OF DELAMINATION ON THE NORTH FACE, NEAR THE NORTHEAST CORNER, 10 INCHES WIDE X 6 FT. HIGH WITH UP TO 3 INCH WIDE SEPARATION, STARTING 2 FT. BELOW THE BOTTOM OF THE CAP	3		6 Each
205	Delamination/Spall	DELAMINATION, 2 FT X 4" X 4" ON SOUTHEAST CORNER AT TOP WITH HAIRLINE CRACKS THROUGHOUT	3		2 Each
205	Exposed Rebar	SPALL/DELAMINATED AREA ON NORTHEAST CORNER OF COLUMN, FULL HEIGHT DELAMINATION X 1 FT WIDE X 6" WITH A SPALL THAT IS 8 FT HIGH X 18" WIDE X 3.5" DEEP WITH EXPOSED REBAR, NO MEASUREABLE SECTION LOSS, PM	3	1	16 Each
205	Patched Area	UN SOUND PATCH, 5 FT X 1 FT X 1 FT ON NORTHWEST CORNER AT TOP THAT IS DELAMINATED	3		5 Each

General Comments**Bent 1****Pile 4****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Cracking (RC and Other)	18" VERTICAL CRACK UP TO 1/16" WIDE ON NORTH FACE, TOP OF COLUMN	3	1	2 Each
205	Delamination/Spall	DELAMINATION, 6" DIAMETER ON WEST FACE AT BOTTOM	3		1 Each

General Comments**Bent 1****Pile 5****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	DELAMINATION, 2 FT X 4" X 2 FT ON SOUTHWEST CORNER WITH TWO VERTICAL CRACKS UP TO 1/16" WIDE ON NORTH AND WEST FACES	3	1	2 Each

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
215	Reinforced Concrete Abutment	94	90	2	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
215	Delamination/Spall	SPALL, 1 FT X 5" X 1" DEEP ON BACKWALL OF BAY 2 ADJACENT TO GIRDER 2 WITH NO EXPOSED REBAR	3	1	1 Feet
215	Delamination/Spall	SPALL, 1 FT X 6" X 2" DEEP ON BACKWALL AT TOP IN BAY 5 WITH EXPOSED REBAR, NO SECTION LOSS	3	1	1 Feet
215	Delamination/Spall	SPALL, 5" X 2" X 2" DEEP ON BACKWALL IN BAY 5 ADJACENT TO GIRDER 5 WITH NO EXPOSED REBAR	2	1	1 Feet
215	Delamination/Spall	SPALL, 6" X 4" X 1.5" DEEP ON BACKWALL ADJACENT TO GIRDER 1 BOTTOM FLANGE, NO EXPOSED REBAR	2	1	1 Feet

General Comments**Bent 2****Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	98	4	3	91	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	BENT 2 BOTTOM OF CAP, UNDER BEAM 3 HAS AN AREA OF DELAMINATION, 22 INCHES X 20 INCHES WITH 1/2 INCH SEPARATION	3	2	2 Feet
234	Delamination/Spall	BENT 2 CAP SPAN 2 SIDE HAS A SPALL ON THE FACE OF THE CAP UNDER BEAM 1, 14 INCHES X 10 INCHES X 1.5 INCHES DEEP WITH REBAR EXPOSED, NO SECTION LOSS	3	1	1 Feet
234	Delamination/Spall	BENT 2 CAP, SPAN 2 SIDE HAS A SPALL ON THE FACE OF THE CAP IN BAY 7, 6 INCHES X 8 INCHES X 1/2 INCH DEEP WITH REBAR EXPOSED, NO SECTION LOSS	3	1	1 Feet
234	Delamination/Spall	BENT 2 CAP, SPAN 2 SIDE HAS AN AREA OF DECAY IN THE FACE OF THE CAP IN BAYS 4 AND 5, 6 FT. LONG X 2 FT. HIGH WITH 3/16 INCH SEPARATION	3	6	6 Feet
234	Delamination/Spall	BENT 2 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 4, 21 INCHES X 12 INCHES, NEAR TOP EDGE AND GOES ACROSS THE TOP OF THE CAP 4 INCHES WITH 3/16 INCH SEPARATION	3	2	2 Feet
234	Delamination/Spall	BENT 2 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP UNDER BEAM 3, IN BAYS 2 AND 3, 6 FT. LONG X 2 FT. HIGH AND 3 INCHES ACROSS THE TOP OF THE CAP WITH 1/4 INCH SEPARATION	3	6	6 Feet
234	Delamination/Spall	BENT 2 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, BAY 1, NEAR BEAM 2, NEAR TOP EDGE, 22 INCHES X 17 INCHES WITH 3/16 INCH SEPARATION, BEARING AREA IS SOUND	3	2	2 Feet
234	Delamination/Spall	BENT 2 CAP, SPAN 3 SIDE HAS A SPALL IN THE FACE OF THE CAP UNDER BEAM 2, 5 INCHES X 4 INCHES X 3/4 INCH DEEP WITH EXPOSED REBAR, NEAR TOP EDGE, NO SECTION LOSS	3	1	1 Feet
234	Delamination/Spall	BENT 2 CAP, SPAN 3 SIDE HAS A SPALL ON THE FACE OF THE CAP IN BAY 4, 14 INCHES X 17 INCHES X 3/4 INCH DEEP WITH EXPOSED REBAR, NO SECTION LOSS	3	2	2 Feet
234	Delamination/Spall	BENT 2 CAP, SPAN 3 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 4, 16 INCHES X 12 INCHES	3	2	2 Feet

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234	Delamination/Spall	BENT 2 TOP OF CAP IN BAY 8 HAS AN AREA OF DELAMINATION, 14 INCHES X 17 INCHES NEAR BEAM 8 WITH 1/8 INCH SEPARATION	3	1	1	Feet
234	Delamination/Spall	BENT 2 TOP OF CAP, BAY 8 NEAR BEAM 8 HAS A SPALL 8 INCHES X 12 INCHES X 1.5 INCHES DEEP, NEAR SPAN 3 SIDE, NO EXPOSED REBAR	3	1	1	Feet
234	Delamination/Spall	DELAMINATION, 15 FT X 2 FT HIGH ON WEST FACE BELOW GIRDER 3	3	15	15	Feet
234	Delamination/Spall	DELAMINATION, 2.5 FT DIAMETER ON EAST FACE BELOW BAY 2	3	3	3	Feet
234	Delamination/Spall	DELAMINATION, 4 FT X 2 FT ON WEST FACE BELOW GIRDER 1 WITH A SPALL, 18" X 1 FT X 2" DEEP WITH EXPOSED REBAR, NO SECTION LOSS	3	4	4	Feet
234	Delamination/Spall	DELAMINATION, 5 FT X 6" X 4" ON WEST FACE OF CAP BETWEEN COLUMNS 5 AND 6	3	5	5	Feet
234	Delamination/Spall	DELAMINATION, 6 FT X 3 FT ON EAST FACE BELOW BAY 3	3	6	6	Feet
234	Delamination/Spall	SPALL/DELAMINATED AREA, 4 FT X 2 FT X UP TO 2" DEEP ON WEST FACE OF CAP UNDER BAY 3 WITH EXPOSED REBAR, NO SECTION LOSS	3	4	4	Feet
234	Delamination/Spall	THREE DELAMINATIONS, UP TO 2 FT X 18" ON WEST FACE OF CAP BELOW GIRDER 6	3	6	6	Feet
234	Exposed Rebar	SPALL, 3 FT X 18" X 1 FT ON WEST FACE OF CAP UNDER BAY 1 WITH EXPOSED REBAR, NO SECTION LOSS. PAR	3	3	3	Feet
234	Exposed Rebar	SPALL, FULL HEIGHT X 9 FT X 2" DEEP, ON SPAN 3 SIDE OF CAP UNDER BEAM 1 AND BAY 1 WITH EXPOSED MAIN REINFORCING AND SHEAR REINFORCING WITH SECTION LOSS UP TO 25% WITH A POTENTIAL LOSS OF BEARING AREA, PM	3	9	9	Feet
234	Exposed Rebar	SPALL, FULL WIDTH X 1 FT X 2.5" DEEP ON NORTH END OF CAP WITH EXPOSED REBAR, NO SECTION LOSS	3	1	3	Feet
234	Exposed Rebar	SPALL/DELAMINATED AREA, 8 FT X FULL HEIGHT X 3" DEEP ON WEST FACE OF CAP UNDER BAY 3 WITH EXPOSED SECTION LOSS WITH UP TO 5% SECTION REMAINING ON REBAR, PM	3	8	8	Feet
234	Cracking (RC and Other)	BENT 2 CAP, SPAN 3 SIDE HAS A HAIRLINE, 12 INCH LONG, LONGITUDINAL CRACK WITH EFFLORESCENCE. IN BAY 8, NEAR TOP EDGE	2	1		Feet
234	Cracking (RC and Other)	TWO FULL WIDTH HAIRLINE CRACKS IN UNDERSIDE OF CAP BETWEEN COLUMNS 1 AND 2	2	2		Feet

General Comments**Bent 2****Pile 1****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	DELAMINATION, 2 FT X 4" X 1 FT ON NORTHWEST CORNER AT TOP, NORTHEAST CORNER SIMILAR	3	1	4 Each
205	Delamination/Spall	DELAMINATION, 2 FT X 6" X 4" ON SOUTHEAST CORNER AT TOP	3		2 Each
205	Delamination/Spall	DELAMINATION, 2.5 FT X 15" ON NORTHEAST FACE AT TOP OF COLUMN	3		3 Each

General Comments

Bent 2**Pile 2****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinforced Concrete Column	1	0	0	1	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
205	Delamination/Spall	DELAMINATION, 2 FT X 6" X 4" ON SOUTHWEST CORNER AT TOP	3	1	2	Each	
General Comments							

Bent 2**Pile 3****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)	HORIZONTAL HAIRLINE CRACK NEAR MIDHEIGHT OF COLUMN FULL CIRCUMFERENCE OF COLUMN	2	1		Each	
General Comments							

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	120	92	0	28	0	Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
234	Cracking (RC and Other)	END BENT 2 CAP, BAY 3 HAS A LONGITUDINAL CRACK IN THE TOP, 1/8 INCH WIDE X 4 FT. LONG, 4 INCHES FROM THE FRONT EDGE	3	4	4	Feet	
234	Delamination/Spall	DELAMINATION, 1.5 FT X 6" X 6" ON FACE OF CAP ON TOP UNDER BAY 5	3	2	2	Feet	
234	Delamination/Spall	DELAMINATION, 3 FT X FULL HEIGHT X 6" ON FACE OF CAP UNDER BAY 1 AT GIRDER 2, SIMILAR IN BAY 4	3	6	6	Feet	
234	Delamination/Spall	DELAMINATION, 8 FT X FULL HEIGHT X 6" ON FACE OF CAP UNDER BAY 2	3	8	8	Feet	
234	Delamination/Spall	DELAMINATION, FULL HEIGHT X FULL WIDTH OF BAY 8 X 6" ON TOP OF CAP ON FACE	3	8	8	Feet	
General Comments							
STANDING WATER AT BEARING 1 ON TOP OF CAP							

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	94	91	0	3	0	Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
215	Delamination/Spall	END BENT 2 ABUTMENT HAS A SPALL ADJACENT TO BEAM 4, 24 INCHES HIGH X 4 INCHES WIDE X 1.5 INCHES DEEP IN BAY 3, NO EXPOSED REBAR	3	1	1	Feet	
215	Delamination/Spall	SPALL, 18" X 6" X 2.5" DEEP ON BACKWALL IN BAY 2 ADJACENT TO GIRDER 3 WITH EXPOSED REBAR, NO SECTION LOSS	3	1	1	Feet	

Structure Number: **430159**Inspection Date: **02/18/2019**

215	Delamination/Spall	SPALL, FULL HEIGHT X 4" WIDE X 2" DEEP IN BAY 4 ADJACENT TO GIRDER 4 WITH HAIRLINE CRACKS AND EFFLORESCENCE ADJACENT, NO EXPOSED REBAR	3	1	1 Feet
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General Comments**Approach 1****Reinforced Concrete Approach Slab**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
321	Reinforced Concrete Approach Slabs			0	0	0 Square Feet

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

APPROACH SLAB IS NOT VISIBLE DUE TO WEARING SURFACE.

Approach 2**Reinforced Concrete Approach Slab 2****Reinforced Concrete Approach Slab**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
321	Reinforced Concrete Approach Slabs			0	0	0 Square Feet

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

APPROACH SLAB IS NOT VISIBLE DUE TO WEARING SURFACE.

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2894
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	37
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	37
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	37
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	37
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	37
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	37
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	37
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	37
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	37
Span 1	Beam 10	Plate Girder	Steel Open Girder/Beam	37
Span 1	Left Bridge Rail	Steel Rail	Metal Bridge Railing	38
Span 1	Right Bridge Rail	Steel Rail	Metal Bridge Railing	38
Span 1	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	38
Span 1	Expansion Joint	Standard Joint	Pourable Joint Seal	98
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2654
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	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	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	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	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 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	4558
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	59
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	59
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	59
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	59
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	59
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	59
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	59
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	59

Elements Verified

Location	Name	Component	Element Name	Amount
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	59
Span 2	Beam 10	Plate Girder	Steel Open Girder/Beam	59
Span 2	Left Bridge Rail	Steel Rail	Metal Bridge Railing	60
Span 2	Right Bridge Rail	Steel Rail	Metal Bridge Railing	60
Span 2	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	60
Span 2	Expansion Joint	Standard Joint	Pourable Joint Seal	98
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	4180
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	5678
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	74
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	74
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	74
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	74
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	74
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	74
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	74
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	74
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	74
Span 3	Beam 10	Plate Girder	Steel Open Girder/Beam	74
Span 3	Left Bridge Rail	Steel Rail	Metal Bridge Railing	75
Span 3	Right Bridge Rail	Steel Rail	Metal Bridge Railing	75
Span 3	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	75
Span 3	Expansion Joint	Standard Joint	Pourable Joint Seal	98
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	5207
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1

Elements Verified

Location	Name	Component	Element Name	Amount
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	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	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	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	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	98
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 5	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 6	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	102
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	94
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	98
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 5	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 6	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	120
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	94

General Inspection Notes

Span 3

Expansion Joint

NOT VISIBLE

National Bridge and NC Inspection Items

Structure Number: 430159

Inspection Date: 02/18/2019

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	4
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	G	0	3350
Field Scour Evaluation				
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	14		
Superstructure Paint Code		A		

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	16
Traffic Control Time	Hours	0
Snooper Time	Hours	0
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: 430159

Inspection Date: 02/18/2019

Item	Deck - Item 58	Grade	5	Maint Code		Qty.	0
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Details SPALLS, DELAMINATIONS AND CRACKING THROUGHOUT DECK

Item	Superstructure - Item 59	Grade	5	Maint Code		Qty.	0
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Details CORROSION ON BEAMS THROUGHOUT

Item	Substructure - Item 60	Grade	4	Maint Code		Qty.	0
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Details SPALLS, DELAMINATIONS AND CRACKING THROUGHOUT THE SUBSTRUCTURE WITH EXPOSED REBAR THROUGHOUT, AREAS OF BEARING AREA LOSS

Item	Priority Maintenance Issued	Grade	Y	Maint Code		Qty.	0
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Details ISSUED FOR SPALLS ON BENTS AND LOSS OF BEARING AREA UNDER GIRDER AT BENT



Span 2 Left Bridge Rail: DISINTEGRATING CONCRETE ON ORIGINAL BARRIER RAIL FOR FULL WIDTH X 4" DEEP FOR 50% OF THE SPAN, CONCRETE IS FALLING ONTO TRAFFIC BELOW, PM



Span 2 Left Bridge Rail: DISINTEGRATING CONCRETE ON ORIGINAL BARRIER RAIL FOR FULL WIDTH X 4" DEEP FOR 50% OF THE SPAN, CONCRETE IS FALLING ONTO TRAFFIC BELOW, PM



Bent 1 Pile 3: SPALL/DELAMINATED AREA ON NORTHEAST CORNER OF COLUMN, FULL HEIGHT DELAMINATION X 1 FT WIDE X 6" WITH A SPALL THAT IS 8 FT HIGH X 18" WIDE X 3.5" DEEP WITH EXPOSED REBAR, NO MEASUREABLE SECTION LOSS, PM



Bent 1 Pile 1: SPALL, 2 FT X 6" X 6", ON NORTHEAST CORNER OF COLUMN AT TOP WITH EXPOSED REBAR WITH SECTION LOSS UP TO 10% OF ONE MAIN REINFORCING BAR, PM



Bent 2 Cap 1: SPALL, FULL HEIGHT X 9 FT X 2" DEEP, ON SPAN 3 SIDE OF CAP UNDER BEAM 1 AND BAY 1 WITH EXPOSED MAIN REINFORCING AND SHEAR REINFORCING WITH SECTION LOSS UP TO 25%, PM



Expansion Joint At End Bent 2: JOINT MATERIAL MISSING FOR FULL LENGTH OF JOINT WITH DEBRIS IN JOINT THROUGHOUT THE OUTSIDE SHOULDERS



Expansion Joint At End Bent 1: JOINT MATERIAL MISSING FOR FULL LENGTH OF JOINT WITH DEBRIS IN JOINT THROUGHOUT THE OUTSIDE SHOULDERS



Expansion Joint At Bent 1: GAPS IN THE JOINT MATERIAL SCATTERED THROUGHOUT JOINT LESS THAN 2" WIDE



Span 1 Wearing Surface: SOUND PATCH, 5 FT LONG X 2 FT WIDE IN WEST BOUND LANES OVER BENT 1



Span 2 Wearing Surface: WEARING SURFACE DEPRESSIONS, 5 FT X 2 FT UP TO 3/4" DEEP IN RIGHT WHEEL LINE IN WEST BOUND RIGHT LANE OVER BENT 1



Span 2 Wearing Surface: WEARING SURFACE DEPRESSIONS, 5 FT X 2 FT UP TO 3/4" DEEP IN RIGHT WHEEL LINE IN WEST BOUND RIGHT LANE OVER BENT 1



Span 2 Wearing Surface: DELAMINATION, 3 FT X 1 FT IN RIGHT LANE IN RIGHT WHEEL PATH OVER BENT 2
WITH CRACKS UP TO 5/8" WIDE



Span 2 Wearing Surface: DELAMINATED AREA, 5 FT X 1 FT WITH POT HOLE, 3 FT X 1 FT IN RIGHT WEST
BOUND TRAVEL LANE IN LEFT WHEEL LINE



Span 3 Wearing Surface: TWO POT HOLES UP TO 3 FT X 1 FT X 3" DEEP IN LEFT AND RIGHT WHEEL PATHS IN RIGHT TRAVEL LANE WITH EXPOSED STEEL PLATES COVERING JOINTS



Span 2 Wearing Surface: GOUGE IN ASPHALT WEARING SURFACE IN RIGHT EAST BOUND TRAVEL LANES, 20 FT X 1" WIDE X 1/2" DEEP



Span 1 Wearing Surface: TWO SPALLS, UP TO 6" X 4" X 1/2" DEEP IN CENTERLINE OF ROADWAY AT BENT 1



Span 2 Wearing Surface: THREE POT HOLES UP TO 1 FT X 3" X 1" DEEP AT CENTERLINE OF ROADWAY
SCATTERED ALONG DECK



Span 3 Median Rail: 19 - FULL HEIGHT VERTICAL CRACKS UP TO 1/16" WIDE ON NORTH AND SOUTH FACE



Span 3 Median Rail: UNSOUND PATCH/DELAMINATED, 6 FT X 1 FT WITH SPALLING UP TO 1" DEEP AROUND EDGES OF SPALL, 15 FT FROM END BENT 2



Span 3 Median Rail: 12 FT OF HAIRLINE MAP CRACKING ON SOUTH FACE BEGINNING AT END BENT 2



Span 2 Median Rail: DELAMINATION/SPALLED AREA ON TOP FACE, 2 FT X 1 FT HIGH X 6" WIDE AREA NEAR MIDSPAN WITH POSSIBLE ASR, CONCRETE IS POWDERY



Span 2 Median Rail: UNSOUND PATCH, HONEYCOMBING 3 FT X 2 FT HIGH IN RAIL AT BENT 1



Span 3 Right Bridge Rail: 6 - FULL HEIGHT HAIRLINE VERTICAL CRACKS IN FACE OF RAIL SCATTERED THROUGHOUT



Span 1 Right Bridge Rail: 15 FT OF SCRAPING ON METAL RAIL AT END BENT 1, RAIL STILL FUNCTIONAL



Span 2 Left Bridge Rail: SCRAPING TO METAL RAIL FROM MIDSPAN TO BENT 2, METAL RAIL IS STILL FUNCTIONAL



Span 3 Left Bridge Rail: 3 - FULL HEIGHT VERTICAL CRACKS UP TO 1/16" WIDE IN FACE OF RAIL SCATTERED THROUGHOUT



Span 1 Deck: SPALL/DELAMINATED AREA, 5 FT X 3 FT ON UNDERSIDE OF DECK WITH SPALL 1 FT DIAMETER X 1.5" DEEP IN BAY 4 ADJACENT TO GIRDER 5 WITH EXPOSED REBAR, NO SECTION LOSS



Span 1 Deck: TWO TRANSVERSE HAIRLINE CRACKS IN UNDERSIDE OF DECK IN BAY 4 UP TO 3 FT LONG
WITH EFFLORESCENCE NEAR END BENT 1



Span 1 Deck: 8 - FULL WIDTH HAIRLINE TRANSVERSE CRACKS IN UNDERSIDE OF DECK IN BAY 5
SCATTERED THROUGHOUT SPAN WITH EFFLORESCENCE, 3 SIMILAR IN BAY 6 AND 2 SIMILAR IN BAYS 8
AND 9



Span 1 Deck: SOUND PATCH, 3 FT X 5 FT ON UNDERSIDE OF DECK IN BAY 6, 4 FT FROM BENT 1



Span 2 Deck: FULL WIDTH HAIRLINE TRANSVERSE CRACKS IN UNDERSIDE OF DECK WITH EFFLORESCENCE SCATTERED THROUGHOUT ALL BAYS, BAY 5 SHOWN HERE



Span 3 Deck: SPAN 3 BOTTOM OF BAY 9 DECK HAS A SPALL, 22 INCHES IN DIAMETER X 1.5 INCHES DEEP WITH EXPOSED REBAR AT 2/3 POINT



Span 3 Deck: SPAN 3 BOTTOM OF BAY 9 DECK HAS A SPALL, 8 INCHES X 11 INCHES X 1 INCH DEEP WITH EXPOSED REBAR , 16 FT. FROM END BENT 2, NO SECTION LOSS



Span 1 Beam 1 Near Bearing: PACK RUST PRESENT ON BEARING PLATES



Span 1 Beam 2 Near Bearing: PACK RUST PRESENT ON BEARING PLATES



Span 1 Beam 5 Near Bearing: PACK RUST PRESENT ON BEARING PLATES



End Bent 1 Cap 1: 1/16" STANDING WATER ON TOP OF CAP OUTSIDE GIRDER 1



End Bent 1 Abutment/Backwall : SPALL, 6" X 4" X 1.5" DEEP ON BACKWALL ADJACENT TO GIRDER 1 BOTTOM FLANGE, NO EXPOSED REBAR



End Bent 1 Cap 1: FULL HEIGHT VERTICAL CRACK ON NORTH FACE OF CAP UNDER GIRDER 2 UP TO 1/8" WIDE FOR 1 FT IN TOP OF CAP



End Bent 1 Cap 1: SPALL, 1 FT X 5" X 1" DEEP ON BACKWALL OF BAY 2 ADJACENT TO GIRDER 2 WITH NO EXPOSED REBAR



End Bent 1 Cap 1: DELAMINATION, 3 FT X 2" ON FACE OF CAP UNDER BAY 2



End Bent 1 Cap 1: DELAMINATION, 3 FT X 2" ON FACE OF CAP UNDER BAY 2



End Bent 1 Abutment/Backwall : SPALL, 1 FT X 6" X 2" DEEP ON BACKWALL AT TOP IN BAY 5 WITH EXPOSED REBAR, NO SECTION LOSS



Span 1 Beam 1: SPAN 1 BEAM 1 AT END BENT 1 HAS SECTION LOSS ON THE BOTTOM FLANGES FROM THE BEAM END OUT 3 FT. X FULL WIDTH WITH $\frac{3}{4}$ " REMAINING AND SECTION LOSS IN THE LOWER WEB FROM THE BEAM END OUT 2 FT. X 4" HIGH WITH $\frac{11}{16}$ " REMAINING



Span 1 Beam 1: OUTSIDE TOP OF BOTTOM FLANGE HAS SURFACE CORROSION THROUGHOUT THE SPAN,
NO MEASUREABLE SECTION LOSS



Span 1 Beam 1: SPAN 1 BEAM 1 AT END BENT 1 HAS SECTION LOSS ON THE BOTTOM FLANGES FROM THE BEAM END OUT 3 FT. X FULL WIDTH WITH $\frac{3}{4}$ " REMAINING AND SECTION LOSS IN THE LOWER WEB FROM THE BEAM END OUT 2 FT. X 4" HIGH WITH $\frac{11}{16}$ " REMAINING



Span 1 Beam 1: SPAN 1 BEAM 1 AT END BENT 1 HAS SECTION LOSS ON THE BOTTOM FLANGES FROM THE BEAM END OUT 3 FT. X FULL WIDTH WITH $\frac{3}{4}$ " REMAINING AND SECTION LOSS IN THE LOWER WEB FROM THE BEAM END OUT 2 FT. X 4" HIGH WITH $\frac{11}{16}$ " REMAINING



Span 1 Beam 1: SPAN 1 BEAM 1 AT END BENT 1 HAS SECTION LOSS ON THE BOTTOM FLANGES FROM THE BEAM END OUT 3 FT. X FULL WIDTH WITH 3/4" REMAINING AND SECTION LOSS IN THE LOWER WEB FROM THE BEAM END OUT 2 FT. X 4" HIGH WITH 11/16" REMAINING



Span 1 Beam 1: PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST



End Bent 2 Cap 1: DELAMINATION, 3 FT X FULL HEIGHT X 6" ON FACE OF CAP UNDER BAY 1 AT GIRDER 2, SIMILAR IN BAY 4



End Bent 2 Abutment/Backwall : SPALL, 18" X 6" X 2.5" DEEP ON BACKWALL IN BAY 2 ADJACENT TO GIRDER 3
WITH EXPOSED REBAR, NO SECTION LOSS



VEGETATION GROWTH FOR FULL HEIGHT OF COLUMN 6 ON BENT 1 SOUTH AND EAST FACE



Bent 1 Pile 5: DELAMINATION, 2 FT X 4" X 2 FT ON SOUTHWEST CORNER WITH TWO VERTICAL CRACKS UP TO 1/16" WIDE ON NORTH AND WEST FACES



Bent 1 Pile 3: UNSOUND PATCH, 5 FT X 1 FT X 1 FT ON NORTHWEST CORNER AT TOP THAT IS DELAMINATED



Bent 1 Pile 2: DELAMINATIONS, 2 FT X 4" X 6" ON SOUTHEAST AND SOUTHWEST CORNERS



Bent 1 Pile 2: SPALL, 3 FT X 15" X 3.5" ON NORTHEAST CORNER WITH EXPOSED REBAR, NO SECTION LOSS
ADJACENT TO DELAMINATION, 2 FT X 1 FT ON EAST FACE, TOP OF COLUMN



Bent 1 Pile 1: DELAMINATION, 4.5 FT X 1 FT X 6" ON SOUTHWEST CORNER WITH CRACKING UP TO 1/4" WIDE, TOP OF COLUMN



Bent 1 Pile 1: SPALL/DELAMINATED AREA, 8 FT X 1 FT X 6" WITH SPALL, 6 FT X 1 FT X 6" ON NORTHEAST CORNER WITH EXPOSED REBAR, NO SECTION LOSS, TOP OF COLUMN. PAR



Bent 1 Pile 1: DELAMINATION, 1.5 FT X 1.5 FT ON WEST FACE MIDHEIGHT OF COLUMN. PAR



Bent 1 Cap 1: DELAMINATION, 3 FT DIAMETER ON EAST FACE OF CAP BELOW BAY 3



Bent 1 Cap 1: THREE DELAMINATIONS, UP TO 6 FT X 18" ON EAST FACE BELOW GIRDER 6



Bent 1 Cap 1: DELAMINATION, 6 FT X 6" X 1 FT ON UNDERSIDE OF CAP AND WEST FACE WITH 1/4" CRACK RUNNING THROUGH



Bent 1 Cap 1: SPALL, 4 FT X 2.5 FT X 3" DEEP ON EAST FACE BELOW BAY 9 WITH EXPOSED REBAR, NO MEASUREABLE SECTION LOSS. PAR



Bent 1 Cap 1: DELAMINATION, 2 FT DIAMETER ON WEST FACE UNDER GIRDER 7



Bent 1 Cap 1: SPALL, 4 FT X 2 FT X 2.5" DEEP ON WEST FACE UNDER GIRDER 3 WITH EXPOSED REBAR, NO SECTION LOSS



Bent 1 Cap 1: SPALL, 4 FT X 2 FT X 3" DEEP ON WEST FACE OF CAP BELOW GIRDER 5 AT TOP WITH EXPOSED REBAR, NO MEASUREABLE SECTION LOSS



Bent 1 Cap 1: 2 SPALLS, 1 FT DIAMETER X 1/2" DEEP AND 2 FT DIAMETER X 1" DEEP ON WEST FACE OF CAP BELOW GIRDER 5 AND NO MEASUREABLE SECTION LOSS



Bent 1 Cap 1: SPALL, FULL WIDTH X 2 FT HIGH X 2" DEEP ON WEST FACE OF CAP BELOW BAY 3 WITH EXPOSED REBAR, NO SECTION LOSS



Bent 2 Cap 1: THREE DELAMINATIONS, UP TO 2 FT X 18" ON WEST FACE OF CAP BELOW GIRDER 6



Bent 2 Cap 1: DELAMINATION, 15 FT X 2 FT HIGH ON WEST FACE BELOW GIRDER 3



Bent 2 Cap 1: DELAMINATION, 15 FT X 2 FT HIGH ON WEST FACE BELOW GIRDER 3



Bent 2 Cap 1: SPALL, 8 FT X 2 FT X 1" DEEP ON WEST FACE OF CAP OVER COLUMN 3 WITH EXPOSED REBAR, NO SECTION LOSS



Bent 2 Cap 1: TWO FULL WIDTH HAIRLINE CRACKS IN UNDERSIDE OF CAP BETWEEN COLUMNS 1 AND 2



Bent 2 Cap 1: SPALL, 3 FT X 18" X 1 FT ON WEST FACE OF CAP UNDER BAY 1 WITH EXPOSED REBAR, NO SECTION LOSS. PAR



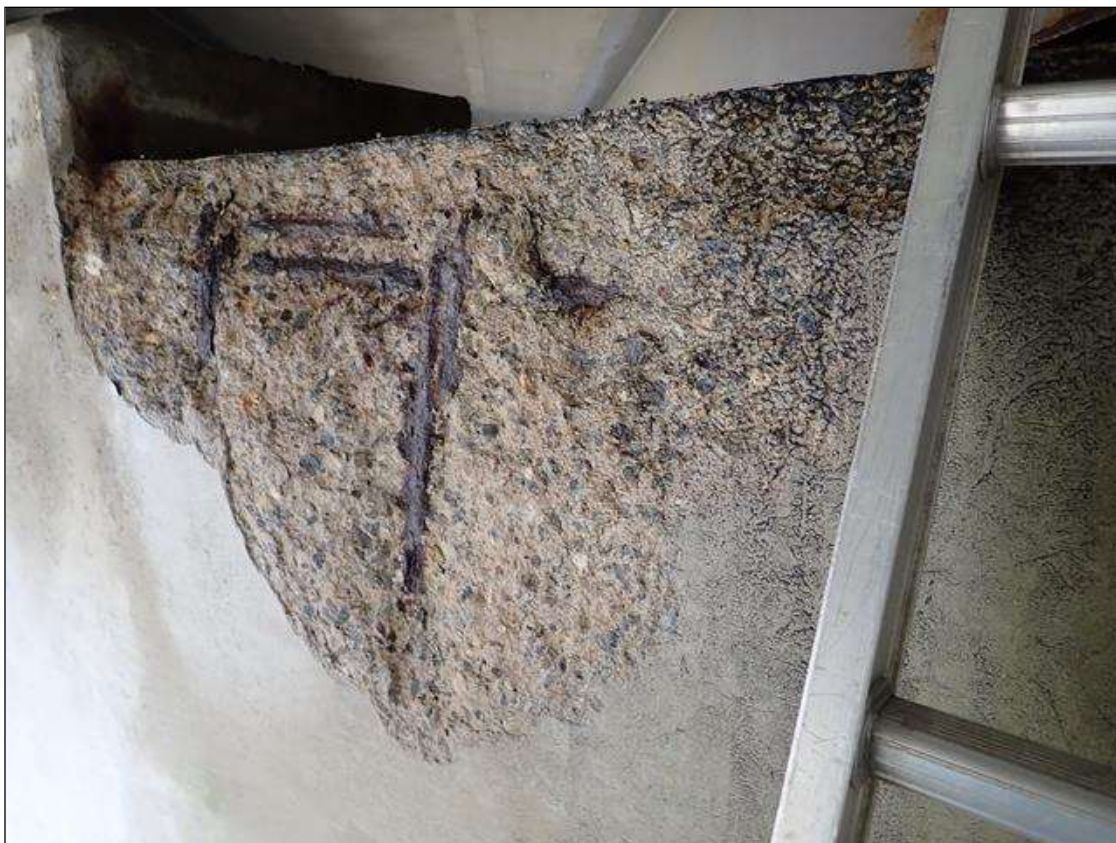
Bent 2 Cap 1: DELAMINATION, 4 FT X 2 FT ON WEST FACE BELOW GIRDER 1 WITH A SPALL, 18" X 1 FT X 2" DEEP WITH EXPOSED REBAR, NO SECTION LOSS



Bent 2 Cap 1: SPALL, FULL WIDTH X 1 FT X 2.5" DEEP ON NORTH END OF CAP WITH EXPOSED REBAR, NO SECTION LOSS



Bent 2 Cap 1: DELAMINATION, 6 FT X 3 FT ON EAST FACE BELOW BAY 3



Bent 1 Cap 1: SPALL, 4 FT X 2.5 FT X 3" DEEP ON EAST FACE BELOW BAY 9 WITH EXPOSED REBAR, NO MEASUREABLE SECTION LOSS. PAR



Bent 1 Cap 1: DELAMINATION, 20" X 19" ON EAST FACE UNDER GIRDER 9



Bent 1 Cap 1: FULL WIDTH CRACK ON UNDERSIDE OF CAP UNDER GIRDER 7 UP TO 1/16" WIDE



Bent 1 Cap 1: BENT 1 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION AT THE TOP EDGE UNDER BEAM 6, 28 INCHES LONG X 9 INCHES HIGH ON THE FACE X 5 INCHES ACROSS THE TOP WITH 1/8 INCH SEPARATION, CRACK ON TOP RUNS ADJACENT TO BEARING AT THIS BEAM



Bent 1 Cap 1: SPALL, 4.5 FT X 20" X 5" ON EAST FACE OF CAP ON UNDER GIRDER 6 WITH EXPOSED REBAR WITH UP TO 5% SECTION LOSS, PM



Bent 1 Cap 1: SPALL AND DELAMINATED AREA, 7 FT X 2 FT X 7" ON EAST FACE OF CAP UNDER GIRDER 6 WITH NO EXPOSED REBAR



Bent 1 Cap 1: SPALL, 24" X 8" X 6" ON BOTTOM OF EAST FACE OF CAP BELOW GIRDER 5 WITH EXPOSED REBAR, NO SECTION LOSS



Bent 1 Cap 1: SPALLED/DELAMINATED AREA, 24" X 15" X 8" ON EAST FACE UNDER BAY 4 WITH NO EXPOSED REBAR



Bent 1 Cap 1: SPALL, 29" X 32" X 2.5" DEEP ON EAST FACE OF CAP UNDER BAY 3 WITH EXPOSED REBAR, NO SECTION LOSS



Bent 1 Cap 1: SPALL AND DELAMINATED AREA, 21 FT X FULL HEIGHT OF CAP X 3" DEEP ON WEST FACE OF CAP UNDER BAYS 5 AND 6 WITH EXPOSED REBAR, NO SECTION LOSS



Bent 2 Cap 1: SPALL, FULL HEIGHT X 9 FT X 2" DEEP, ON SPAN 3 SIDE OF CAP UNDER BEAM 1 AND BAY 1 WITH EXPOSED MAIN REINFORCING AND SHEAR REINFORCING WITH SECTION LOSS UP TO 25%, PM



Bent 2 Cap 1: SPALL/DELAMINATED AREA, 4 FT X 2 FT X UP TO 2" DEEP ON WEST FACE OF CAP UNDER BAY 3 WITH EXPOSED REBAR, NO SECTION LOSS



Bent 2 Cap 1: SPALL/DELAMINATED AREA, 8 FT X FULL HEIGHT X 3" DEEP ON WEST FACE OF CAP UNDER BAY 3 WITH EXPOSED SECTION LOSS WITH UP TO 5% SECTION REMAINING ON REBAR, PM



Bent 2 Cap 1: SPALL, FULL HEIGHT X 9 FT X 2" DEEP, ON SPAN 3 SIDE OF CAP UNDER BEAM 1 AND BAY 1 WITH EXPOSED MAIN REINFORCING AND SHEAR REINFORCING WITH SECTION LOSS UP TO 25% WITH A POTENTIAL LOSS OF BEARING AREA, PM



Bent 2 Cap 1: SPALL, FULL HEIGHT X 9 FT X 2" DEEP, ON SPAN 3 SIDE OF CAP UNDER BEAM 1 AND BAY 1 WITH EXPOSED MAIN REINFORCING AND SHEAR REINFORCING WITH SECTION LOSS UP TO 25% WITH A POTENTIAL LOSS OF BEARING AREA, PM



WATER SITTING ON TOP OF BOTTOM FLANGE FOR 20 FT AT BENT 2



LOOKING WEST



EAST APPROACH LOOKING EAST



RIGHT BRIDGE RAIL, LEFT SIMILAR



ASPHALT WEARING SURFACE SPAN 3, OTHERS SIMILAR



MEDIAN BARRIER



JOINT AT END BENT 2, END BENT 1 SIMILAR



JOINT AT BENT 2, BENT 1 SIMILAR



LOOKING SOUTH



BRIDGE PLAQUE AT SOUTHEAST CORNER OF BRIDGE



SOUTHWEST GUARDRAIL POST SPACING, OTHERS SIMILAR



WEST APPROACH LOOKING WEST



LOOKING EAST



WEST APPROACH LOOKING WEST



LOOKING NORTH



NORTH PROFILE



NORTHEAST WINGWALL, OTHERS SIMILAR



UNDERSIDE OF SUPERSTRUCTURE SPAN 2, OTHERS SIMILAR



BENT 1, BENT 2 SIMILAR



NORTH FACE OF BENT 1 CAP, BENT 2 SIMILAR



SOUTH PROFILE



SOUTH FACE OF BENT 1 CAP



TYPICAL INTERMEDIATE DIAPHRAGM



GIRDER 7 BEARING AT END BENT 1, OTHERS AT END BENTS SIMILAR



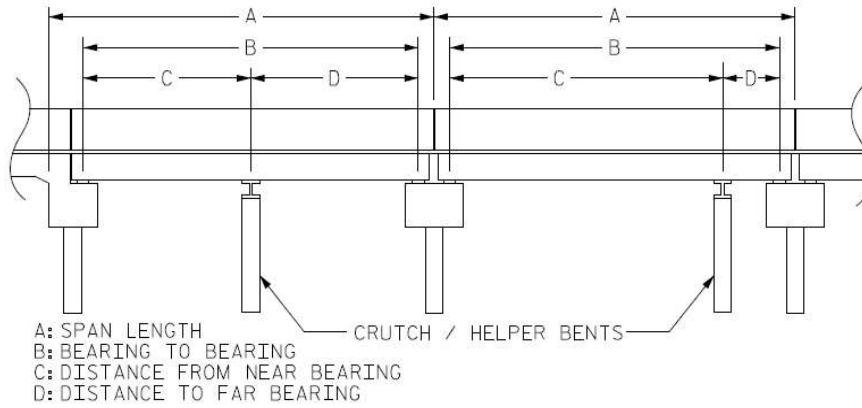
TYPICAL BENT BEARING

Structure Data Worksheet

Span Profile

County: **HAYWOOD**

Structure Number: **430159**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	37.912	33.500			
2	59.703	57.500			
3	74.375	70.500			

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

Run Date: 04/22/2019

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	430159		SUFFICIENCY RATING =		54.98	
(8) STRUCTURE NUMBER(FEDERAL)		00000000870159		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		11000400					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2					
(3) COUNTY CODE	87	(4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED -	SR1338			(104)HIGHWAY SYSTEM	Is on the NHS	1	
(7) FACILITY CARRIED	I-40			(26) FUNCTIONAL CLASS -	Arterial - Interstate	01	
(9) LOCATION	1.8 MI.W.JCT.US276			(100)STRAHNET HIGHWAY -	Interstate STRAHNET Route	1	
(11)MILEPOINT		18.7		(101)PARALLEL STRUCTURE -	No Parallel Structure	N	
(16)LAT	35° 37' 31.64"	(17)LONG	83° 0' 31.41"	(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		4	
TYPE -		CODE	000	(61) CHANNEL & CHANNEL PROTECTION		N	
(45) NUMBER OF SPANS IN MAIN UNIT			3	(62) CULVERTS		N	
(46) NUMBER OF APPROACH SPANS							
(107)DECK STRUCTURE TYPE -	1	CODE					
(108)WEARING SURFACE / PROTECTIVE SYSTEM :							
(A) TYPE OF WEARING SURFACE -	Bituminous	CODE	6				
(B) TYPE OF MEMBRANE -	None	CODE	0				
(C) TYPE OF DECK PROTECTION -	None	CODE	0				
AGE AND SERVICE				LOAD RATING AND POSTING			
(27) YEAR BUILT			1966	(31) DESIGN LOAD	HS 20 + MOD	6	
(106)YEAR RECONSTRUCTED			1987	(63) OPERATING RATING METHOD -	Load Factor	1	
(42) TYPE OF SERVICE : ON -	Highway			(64) OPERATING RATING -	HS-43	78	
UNDER - Highway		CODE	11	(65) INVENTORY RATING METHOD -	Load Factor	1	
(28) LANES: ON STRUCTURE	4	UNDER STRUCTURE	2	(66) INVENTORY RATING -	HS-26	46	
(29) AVERAGE DAILY TRAFFIC			27000	(70) BRIDGE POSTING -	No Posting Required	5	
(30) YEAR OF ADT	2017	(109) TRUCK ADT PCT	23%	(41) STRUCTURE OPEN, POSTED ,OR CLOSED		A	
(19) BYPASS OR DETOUR LENGTH			25 MI	DESCRIPTION -	Open, No Restriction		
GEOMETRIC DATA				APPRAISAL			
(48) LENGTH OF MAXIMUM SPAN			71 FT	(67) STRUCTURAL EVALUATION		4	
(49) STRUCTURE LENGTH			172 FT	(68) DECK GEOMETRY		7	
(50)CURB OR SIDEWALK: LEFT	0 FT	RIGHT	0 FT	(69) UNDERCLEARANCES,VERTI & HORIZ		4	
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			70 FT	(71) WATERWAY ADEQUACY		N	
(52) DECK WIDTH OUT TO OUT			76.333 FT	(72) APPROACH ROADWAY ALIGNMENT		8	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			72 FT	(36) TRAFFIC SAFETY FEATURES		1111	
(33) BRIDGE MEDIAN -	Closed Median	CODE	2	(113)SCOUR CRITICAL BRIDGES		N	
(34) SKEW	39°	(35) STRUCTURE FLARED	0				
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT				
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			35.167 FT				
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9 FT				
(54) MIN VERT UNDERCLEAR REF	Highway		15.333 FT				
(55) MIN LAT UNDERCLEAR RT REF	Highway		5 FT				
(56) MIN LAT UNDERCLEAR LT REF -			0 FT				
NAVIGATION DATA				PROPOSED IMPROVEMENTS			
(38) NAVIGATION CONTROL -	Not Applicable	CODE	N	(75) TYPE OF WORK -		CODE	
(111)PIER PROTECTION -		CODE		(76) LENGTH OF STRUCTURE IMPROVEMENT			
(39) NAVIGATION VERTICAL CLEARANCE			0	(94) BRIDGE IMPROVEMENT COST			
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			FT	(95) ROADWAY IMPROVEMENT COST			
(40) NAVIGATION HORIZONTAL CLEARANCE			0 FT	(96) TOTAL PROJECT COST			
				(97) YEAR OF IMPROVEMENT COST ESTIMATE			
				(114)FUTURE ADT	54000	(115) YEAR FUTURE ADT	2025
				INSPECTIONS			
				(90) INSPECTION DATE		02/18/2019	
				(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE	
				A) FRACTURE CRIT DETAIL -	NO	A)	
				B) UNDERWATER INSP -	NO	B)	
				C) OTHER SPECIAL INSP	NO	C)	
				SCOUR			

Structure No: 430159

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					STRAHNET Highway Designator	Direction of Traffic	Highway System of Route
													Reference Feature	Minimum Vertical Underclearance	Right Lateral Underclearance	Left Lateral Underclearance	Underclearance Appraisal Grade			
	6	5	10	11	12	13	20	26	28	29	30	47	54A	54	55	56	69	100	102	104
2	SR 1338	31013380	16	00				9	2	730	2015	34	H	15.33	5		9	0	2	0

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: 04/22/2019

COUNTY : HAYWOOD DIVISION : 14 DISTRICT : 2 STRUCTURE NUMBER : 430159 LENGTH : 172 FEET

ROUTE CARRIED : I-40 FEATURE INTERSECTED : SR1338

LOCATED : 1.8 MI.W.JCT.US276 BRIDGE NAME : CITY :

FUNC. CLASS : 01 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 27000 2017 RAIL TYPE : LT 333 RT 333

BUILT : 1966 BY : SHC PROJ : 8.19468 FED.AID PROJ : I-40-1(23)18 DESIGN LOAD : HS 20 + MOD

REHAB : 1987 BY : PROJ : ALIGNMENT : LT SKEW : 129 LANES : ON 4 UNDER 2

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:RC POST&BEAM

SPANS : 1 @ 37'-10.9375;1 @ 59'-8.4375;1 @ 74'-4.5

BEAMS OR GIRDERS : SPN1:2 LNS.36 & 8 LNS.33 I-BMS;SPN2&3:10 LNS.36 I-BMS.

FLOOR : 7.75 RC/ 1" AWS ENCROACHMENT : DECK (OUT TO OUT) : 76.333 FT

CLEAR ROADWAY : 70 FT BETWEEN RAILS : 70 FT SIDEWALK OR CURB : LT 0 FT RT 0 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-26 OPE.RTG. : HS-43 CONTR.MEMBER : IntBm(SpB) 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	SR 1338	16	15.3330	34	0	5

Note: All measurements are in feet.

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430159

County HAYWOOD

Date: 02/18/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3322	Maint to Steel Handrail	LF	30	Span 2 Left Bridge Rail: DISINTEGRATING CONCRETE ON ORIGINAL BARRIER RAIL FOR FULL WIDTH X 4" DEEP FOR 50% OF THE SPAN, CONCRETE IS IN DANGER OF FALLING ONTO TRAFFIC BELOW, PM	
 3348	Maintain Concrete Substructure Components	LF	2	Bent 1 Pile 1: SPALL, 2 FT X 6" X 6", ON NORTHEAST CORNER OF COLUMN AT TOP WITH EXPOSED REBAR WITH SECTION LOSS UP TO 10% OF ONE MAIN REINFORCING BAR, PM	
 3348	Maintain Concrete Substructure Components	LF	16	Bent 1 Pile 3: SPALL/DELAMINATED AREA ON NORTHEAST CORNER OF COLUMN, FULL HEIGHT DELAMINATION X 1.5 FT WIDE X 6" WITH A SPALL THAT IS 8 FT HIGH X 18" WIDE X 3.5" DEEP WITH EXPOSED REBAR, NO MEASUREABLE SECTION LOSS, PM	
 3348	Maintain Concrete Substructure Components	LF	9	Bent 2 Cap 1: SPALL, FULL HEIGHT X 9 FT X 2" DEEP, ON SPAN 3 SIDE OF CAP UNDER BEAM 1 AND BAY 1 WITH EXPOSED MAIN REINFORCING AND SHEAR REINFORCING WITH SECTION LOSS UP TO 25%, PM	
 3348	Maintain Concrete Substructure Components	LF	3	Bent 1 Cap 1: SPALL, 4.5 FT X 20" X 5" ON EAST FACE OF CAP ON UNDER GIRDER 6 WITH EXPOSED REBAR WITH UP TO 5% SECTION LOSS, PM	
 3348	Maintain Concrete Substructure Components	LF	8	Bent 2 Cap 1: SPALL/DELAMINATED AREA, 8 FT X FULL HEIGHT X 3" DEEP ON WEST FACE OF CAP UNDER BAY 3 WITH EXPOSED REBAR WITH SECTION LOSS UP TO 5%, PM	
 3348	Maintain Concrete Substructure Components	LF	4	Bent 1 Cap 1: SPALL, 4 FT X 2.5 FT X 3" DEEP ON EAST FACE BELOW BAY 9 WITH EXPOSED REBAR, NO MEASUREABLE SECTION LOSS. PAR	
 3348	Maintain Concrete Substructure Components	LF	3	Bent 2 Cap 1: SPALL, 3 FT X 18" X 1 FT ON WEST FACE OF CAP UNDER BAY 1 WITH EXPOSED REBAR, NO SECTION LOSS. PAR	
 3348	Maintain Concrete Substructure Components	LF	3	Bent 1 Pile 1: DELAMINATION, 1.5 FT X 1.5 FT ON WEST FACE MIDHEIGHT OF COLUMN. PAR	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430159

County HAYWOOD

Date: 02/18/2019

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	6	Bent 1 Pile 1: SPALL/DELAMINATED AREA, 8 FT X 1 FT X 6" WITH SPALL, 6 FT X 1 FT X 6" ON NORTHEAST CORNER WITH EXPOSED REBAR, NO SECTION LOSS AT THE TOP OF THE COLUMN . PAR	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430159

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3322	Maint to Steel Handrail	30 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/12/2019	JOSHUA W GENTRY	
Details		
Span 2 Left Bridge Rail: DISINTEGRATING CONCRETE ON ORIGINAL BARRIER RAIL FOR FULL WIDTH X 4" DEEP FOR 50% OF THE SPAN, CONCRETE IS IN DANGER OF FALLING ONTO TRAFFIC BELOW, PM		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/12/2019	JOSHUA W GENTRY	
Details		
Bent 1 Pile 1: SPALL, 2 FT X 6" X 6", ON NORTHEAST CORNER OF COLUMN AT TOP WITH EXPOSED REBAR WITH SECTION LOSS UP TO 10% OF ONE MAIN REINFORCING BAR, PM		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430159

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	16 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/12/2019	JOSHUA W GENTRY	
Details		
Bent 1 Pile 3: SPALL/DELAMINATED AREA ON NORTHEAST CORNER OF COLUMN, FULL HEIGHT DELAMINATION X 1.5 FT WIDE X 6" WITH A SPALL THAT IS 8 FT HIGH X 18" WIDE X 3.5" DEEP WITH EXPOSED REBAR, NO MEASUREABLE SECTION LOSS, PM		

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:
02/12/2019	JOSHUA W GENTRY	
Details		
Bent 2 Cap 1: SPALL, FULL HEIGHT X 9 FT X 2" DEEP, ON SPAN 3 SIDE OF CAP UNDER BEAM 1 AND BAY 1 WITH EXPOSED MAIN REINFORCING AND SHEAR REINFORCING WITH SECTION LOSS UP TO 25%, PM		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430159

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	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	JEREMY KEENE	
Details		
Bent 1 Cap 1: SPALL, 4.5 FT X 20" X 5" ON EAST FACE OF CAP ON UNDER GIRDER 6 WITH EXPOSED REBAR WITH UP TO 5% SECTION LOSS, PM		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	8 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	JEREMY KEENE	
Details		
Bent 2 Cap 1: SPALL/DELAMINATED AREA, 8 FT X FULL HEIGHT X 3" DEEP ON WEST FACE OF CAP UNDER BAY 3 WITH EXPOSED REBAR WITH SECTION LOSS UP TO 5%, PM		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430159

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	4 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/07/2019	JEREMY KEENE	
Details		
Bent 1 Cap 1: SPALL, 4 FT X 2.5 FT X 3" DEEP ON EAST FACE BELOW BAY 9 WITH EXPOSED REBAR, NO MEASUREABLE SECTION LOSS. PAR		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/07/2019	JEREMY KEENE	
Details		
Bent 2 Cap 1: SPALL, 3 FT X 18" X 1 FT ON WEST FACE OF CAP UNDER BAY 1 WITH EXPOSED REBAR, NO SECTION LOSS. PAR		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430159

County HAYWOOD

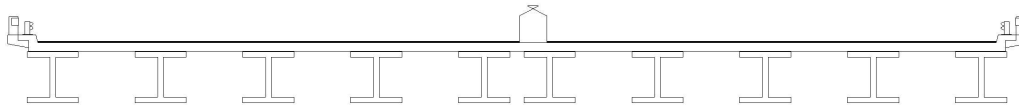
THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/07/2019	JEREMY KEENE	
Details		
Bent 1 Pile 1: DELAMINATION, 1.5 FT X 1.5 FT ON WEST FACE MIDHEIGHT OF COLUMN. PAR		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	6 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/07/2019	JEREMY KEENE	
Details		
Bent 1 Pile 1: SPALL/DELAMINATED AREA, 8 FT X 1 FT X 6" WITH SPALL, 6 FT X 1 FT X 6" ON NORTHEAST CORNER WITH EXPOSED REBAR, NO SECTION LOSS AT THE TOP OF THE COLUMN . PAR		

Bridge Inspection Field Sketch

Deck Width/Out to Out	76.333ft	Between Rails			72ft
Clear Roadway	70ft	Wearing Surface			0.083ft
Median Width	2ft	Median Height			2.583ft
Curb Height		Left		Right	
Sidewalk Width		Left		Right	
Clear Roadway (Rail to Median)		Left	35.167ft	Right	34.833ft
Guardrail Width		Left		Right	
Top of Rail to Deck/Wearing Surface		Left	2.667ft	Right	2.667ft
Bridge Rail		Left	Type 21	Right	Type 21



Measurements for Span #	1	Spans 2 and 3 Similar	
Deck Thickness	0.646	Left Overhang	2.667
Top of Rail to Bottom of Beam	6.479	Right Overhang	2.667

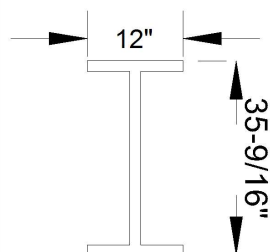
Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	8.250ft	
2	Steel I Beam	8.250ft	
3	Steel I Beam	8.250ft	
4	Steel I Beam	8.250ft	
5	Steel I Beam	5.000ft	
6	Steel I Beam	8.250ft	
7	Steel I Beam	8.250ft	
8	Steel I Beam	8.250ft	
9	Steel I Beam	8.250ft	
10	Steel I Beam	ft	

SPAN 1- BEAMS 1 & 10
SPAN 2 BMS. 1,8,10

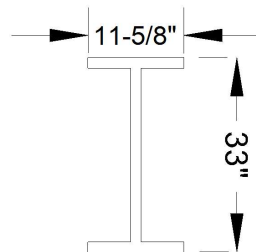
SPAN 1- BEAMS 2 THRU 6
SPAN 2- Bms. 2 THRU 7&9

SPAN 1- BEAMS 7,8 & 9

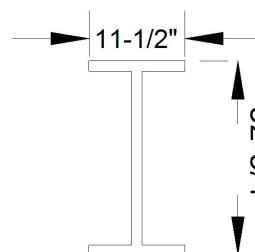
SPAN 3- ALL BEAMS



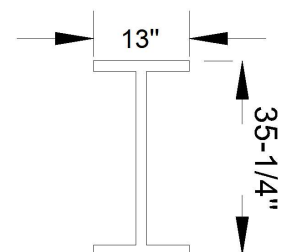
FLANGES = 15/16"
WEB = 5/8"



FLANGES = 9/16"
WEB = 1/2"



FLANGES = 3/4"
WEB = 9/16"



FLANGES = 1"
WEB = 3/4"

VERIFIED 2-18-19 BY JEK

Title

SUPERSTRUCTURE

Description

TYPICAL SECTION

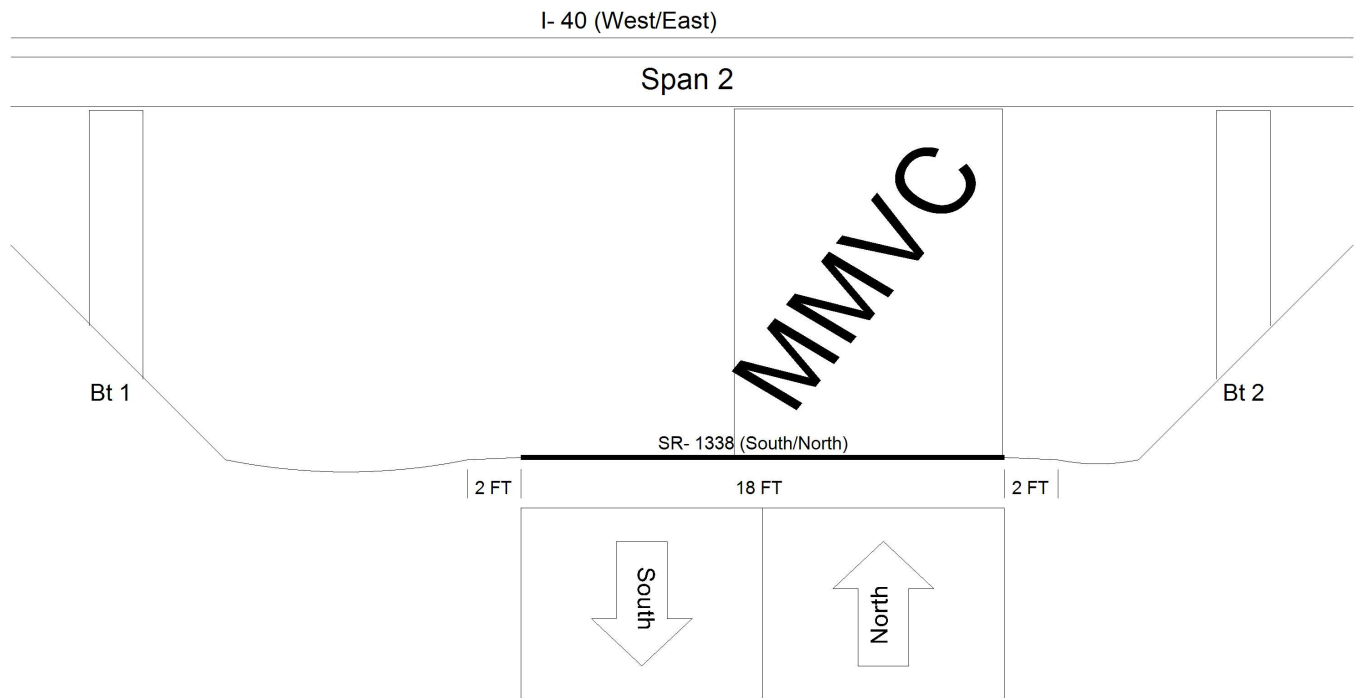
Bridge No: 430159

Drawn By: Roy W. Shook

Date: 08/08/2007

File Name: S0142000001

Bridge Inspection Field Sketch



Roadway 1		Direction of Traffic	North South
Distance to Left Rail		Distance to Right Rail	
Distance to Left Toe of Slope	11FT	Distance to Left Bent	14FT
Distance to Right Toe of Slope	5FT	Distance to Right Bent	9.8FT
MMVC	16 Ft at Beam 10, 10 FT from Right Edge of Roadway		
MVC	15.333 Ft at Beam 10, 0 FT from Left edge of roadway		

VERIFIED 2-18-18 BY JEK

Title

SPAN #2 OVER SR-1338

Description

UNDERCLEARANCE

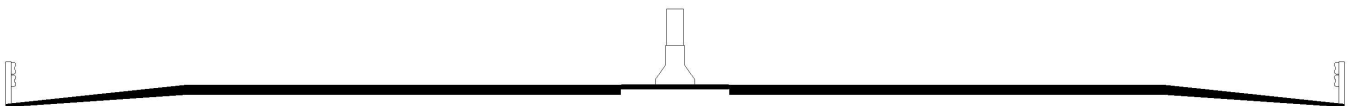
Bridge No: 430159

Drawn By: Roy W. Shook

Date: 08/08/2007

File Name: S0146000002

Bridge Inspection Field Sketch



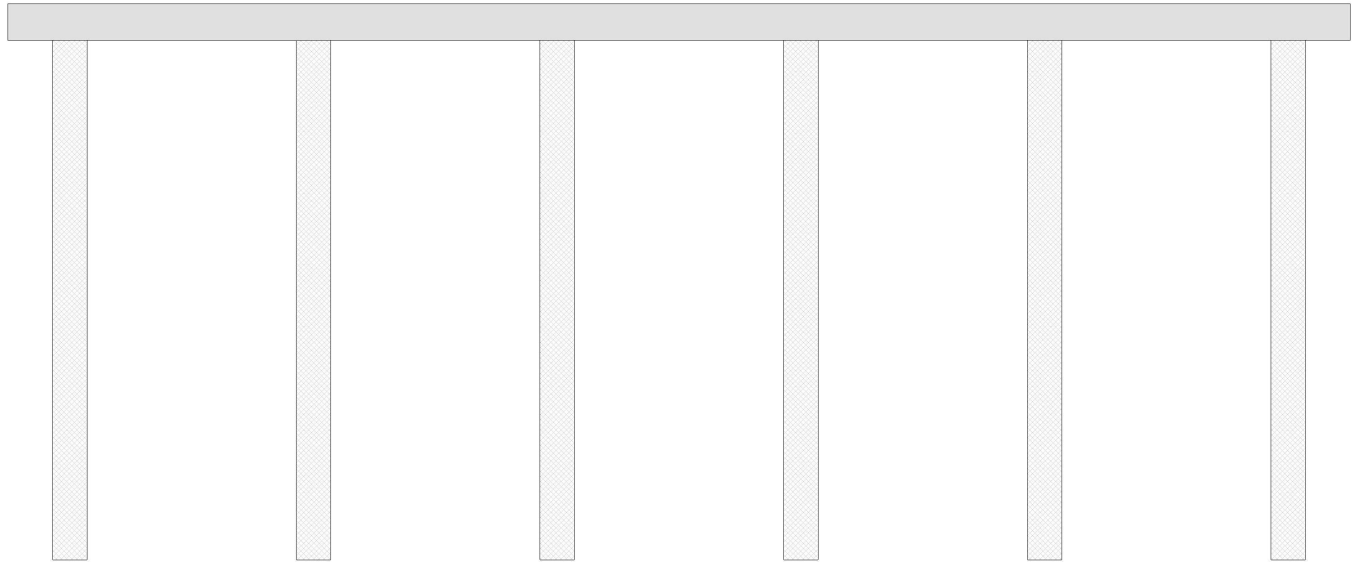
Measurements Taken 25 FT from End Bent 1

Left Lanes			
Roadway	24ft Wide	2 Paved Lanes	West Bound
Right Shoulder	10.1ft Wide	10ft Paved	0.1ft Unpaved
Left Shoulder	2ft Wide	2ft Paved	
Right Guardrail	10ft from road		
Left Guardrail	2ft from road		
Median	2ft Wide	5.167ft High	
Right Lanes			
Roadway	24ft Wide	2 Paved Lanes	East Bound
Left Shoulder	2ft Wide	2ft Paved	
Right Shoulder	10.1ft Wide	10ft Paved	0.1ft Unpaved
Left Guardrail	2ft from road		
Right Guardrail	10ft from road		

VERIFIED 2-18-19 BY JEK

Title		Description	
APPROACH ROADWAY		LOOKING EAST	
Bridge No:	430159	Drawn By:	Roy W. Shook
Date:	08/08/2007	File Name:	S0146000001

Bridge Inspection Field Sketch



Cap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
97.750 ft.	2.500 ft.	2.667 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	17.75 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
2	Concrete	17.75 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
3	Concrete	17.75 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
4	Concrete	17.75 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
5	Concrete	17.75 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
6	Concrete		2.5 ft.	2.5 ft.		Vertical	No	No	No	No
Bent/Abutment #: 1			Similar Bents: 2							

Title VERIFIED 2-18-19 BY JEK
INTERIOR BENTS

Description
SUBSTRUCTURE DETAILS

Bridge No: 430159

Drawn By: JOE C HUNTSINGER

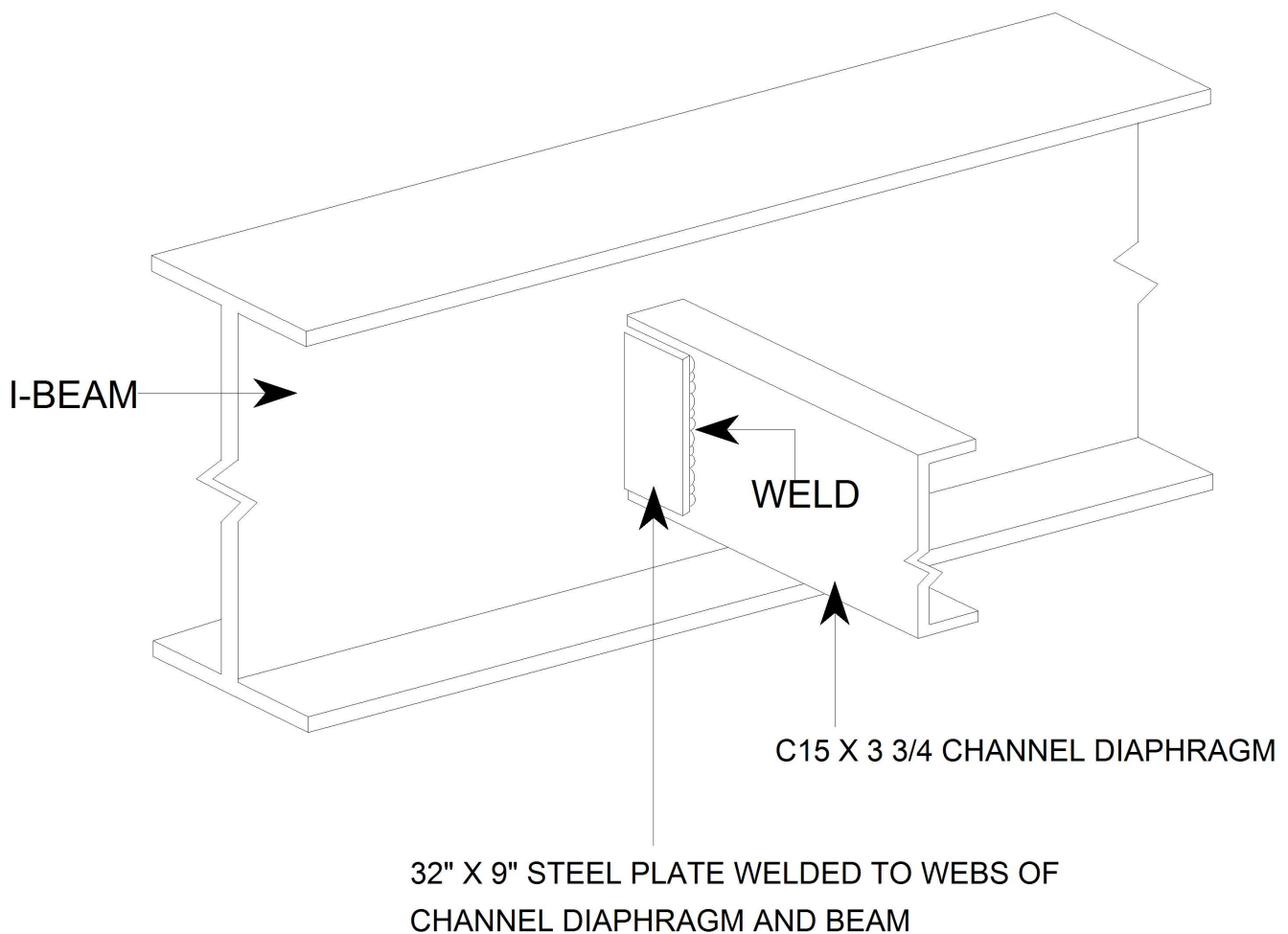
Date: 5/15/2013

File Name: S0106001623

Bridge Inspection Field Sketch

DIAPHRAGM DETAILS

LOCATED AT THE 1/3 POINTS OF ALL SPANS



VERIFIED 2-18-19 BY JEK

Title		Description	
INTERMEDIATE DIAPHRAGMS		SUPERSTRUCTURE DETAILS	
Bridge No:	430159	Drawn By:	JOE C HUNTSINGER
		Date:	5/15/2013
		File Name:	S0106001624