



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINTENANCES ISSUED, TEMPORARY
BEAM REPAIRS, SNOOPER USED, TRAFFIC
CONTROL USED, REVISED SUBSTRUCTURE
SKETCH, ADDED ROCKER BEARING SKETCH,

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: HAYWOOD STRUCTURE NUMBER: 430171 FREQUENCY: 24 MONTHS

FACILITY CARRIED: I-40 MILE POST: 19.2

LOCATION: 1 MI.W.JCT.US276

FEATURE INTERSECTED: SR1338, JONATHAN CREEK

LATITUDE: 35° 37' 8.07" LONGITUDE: 83° 0' 34.6"

SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR ON I-BEAMS&CONT.STL.PLATE GDRS.

SUBSTRUCTURE: E.BT1:RC SPILL THRU;E.BT2:RC CAP/H-PILE;BTS:RCP&B#5/PILES

SPANS: 1@50';(1@140';1@160',1@140'CONT)2@60'
1@50';(1@140';1@160',1@140'CONT)2@60'

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

PRESENT CONDITION: Fair INSPECTION DATE: 05/18/2017

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: NONE



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

DIRECTION OF
INSPECTION W-E

DIRECTION
MATCHES PLANS

WEST APPROACH LOOKING EAST, EAST BOUND LANES

INSPECTED BY MARK WADE	SIGNATURE <i>MS Wade</i>	ASSISTED BY GLEN KIKER
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Structure Element Scoring

Structure Number: 430171

Inspection Date 5/18/2017

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	38634	20546	6572	11515	1
107	0	Steel Open Girder/Beam	Beam	4856	3899	949	7	1
515	107	Steel Protective Coating	Beam	77592	76464	1128	0	0
205	0	Reinforced Concrete Column	Piles and Columns	19	11	4	4	0
215	0	Reinforced Concrete Abutment	Abutments	148	140	6	2	0
225	0	Steel Pile	Piles and Columns	15	15	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	432	94	153	185	0
302	0	Compression Joint Seal	Expansion Joints	295	247	48	0	0
311	0	Movable Bearing	Bearing Device	56	0	56	0	0
515	311	Steel Protective Coating	Bearing Device	208	71	131	6	0
313	0	Fixed Bearing	Bearing Device	24	12	12	0	0
515	313	Steel Protective Coating	Bearing Device	48	24	20	4	0
321	0	Reinforced Concrete Approach Slabs	Approaches	1160	1160	0	0	0
330	0	Metal Bridge Railing	Bridge Rail	1220	1108	112	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	610	0	0	610	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 430171

Inspection Date: 05/18/2017

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	17630 Square Feet
3326	Reinforced Concrete Deck	Delamination/Spall	4 Square Feet
3326	Reinforced Concrete Deck	Exposed Rebar	9 Square Feet
3326	Reinforced Concrete Deck	Patched Areas	76 Square Feet
3314	Steel Open Girder/Beam	Corrosion	8 Feet
3348	Reinforced Concrete Column	Delamination/Spall	26 Each
3348	Reinforced Concrete Column	Patched Area	137 Each
3350	Reinforced Concrete Abutment	Cracking (RC and Other)	8 Feet
3348	Reinforced Concrete Pier Cap	Exposed Rebar	7 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	105 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	64 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	18 Feet
3310	Compression Joint Seal	Seal Adhesion	48 Feet
3322	Metal Bridge Railing	Damage	112 Feet
3318	Reinforced Concrete Bridge Railing	Cracking (RC and Other)	610 Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	1289 Square Feet

Element Structure Maintenance Quantities

Structure Number: 430171

Inspection Date 05/18/2017

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	8	148	0	2	6	140
Approaches	3353	Maintenance of Concrete Bridge Approach Slabs	0	1160	0	0	0	1160
Beam	3314	Maintenance Steel Superstructure Components	8	4856	1	7	949	3899
Beam	3342	Clean and Paint Steel	1128	77592	0	0	1128	76464
Bearing Device	3334	Bridge Bearing	0	80	0	0	68	12
Bearing Device	3342	Clean and Paint Steel	161	256	0	10	151	95
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	610	610	0	610	0	0
Bridge Rail	3322	Maintenance of Steel Bridge Rail	112	1220	0	0	112	1108
Caps	3348	Maintenance of Concrete Substructure	194	432	0	185	153	94
Deck	3326	Maintenance of Concrete Deck	17719	38634	1	11515	6572	20546
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	48	295	0	0	48	247
Piles and Columns	3348	Maintenance of Concrete Substructure	163	19	0	4	4	11
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	15	0	0	0	15

Element Condition and Maintenance Data

Structure Number: 430171

Inspection Date: 05/18/2017

Span 1	Deck
Reinforced Concrete Deck	

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	3,167	1,558	95	1,514	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	SPAN 1, BAY 2, BOTTOM OF DECK, NEAR END BENT 1 HAS 1 SQ. FT. OF 1/32 INCH WIDE MAP CRACKING, FOR A TOTAL OF 1200 SQ. FT. THRU OUT THE BOTTOM OF THE DECK	3	1,200	1,200	Square Feet
12	Cracking (RC and Other)	SPAN 1, TOP OF DECK HAS 7, 1/16 INCH WIDE TRANSVERSE CRACK X 12 FT. LONG AT MID-SPAN OF WEST BOUND LANES FOR A TOTAL OF 185 SQ. FT. THRU OUT THE WEST AND EAST BOUND LANES	3	185	185	Square Feet
12	Cracking (RC and Other)	SPAN 1, TOP OF THE DECK HAS A 1/16 INCH WIDE DIAGONAL CRACK, 6 FT. LONG AT END BENT 1 FOR A TOTAL OF 125 SQ. FT. THRU OUT THE TOP OF THE WEST AND EAST BOUND LANES	3	125	125	Square Feet
12	Delamination/Spall	SPAN 1, BAY 3 BOTTOM OF THE DECK HAS AN AREA OF DELAMINATION, 5 FT. FROM END BENT 1, 18 INCHES X 36 INCHES, WITH ADJACENT 1/2 INCH DEEP SPALLING	3	4	4	Square Feet
12	Cracking (RC and Other)	SPAN 1, BAY 4 BOTTOM OF THE DECK HAS A HAIRLINE 7 FT. LONG TRANSVERSE CRACK WITH EFFLO. 14 FT. FROM END BENT 1, FOR A TOTAL OF 95 SQ. FT. WITH OR WITHOUT EFFLO. THRU OUT BOTTOM OF SPAN	2	95	95	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	48	36	12	0	0	Feet
515	Steel Protective Coating	483	471	12	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SPAN 1, BEAM 1 HAS 12 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	12		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	12	12	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	48	36	12	0	0	Feet
515	Steel Protective Coating	483	471	12	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SPAN 1, BEAM 2 HAS 12 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	12		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	12	12	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	48	37	11	0	0	Feet
515	Steel Protective Coating	483	473	10	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SPAN 1, BEAM 3 AT BENT 1 HAS 3/16 INCH SECTION LOSS FROM PREVIOUS RUST ON THE BOTTOM LEFT FLANGE, STARTING AT THE FACE OF THE BEARING, 3 INCHES LONG X 3 INCHES WIDE WITH 7/16 INCH REMAINING, ALL BEAMS AND BEARINGS HAVE BEEN CLEANED AND PAINTED	2	1		Feet
107	Corrosion	SPAN 1, BEAM 3 HAS 10 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	10		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	10	10	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	48	36	12	0	0	Feet
515	Steel Protective Coating	483	471	12	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SPAN 1, BEAM 4 HAS 12 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	12		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	12	12	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	48	36	12	0	0	Feet
515	Steel Protective Coating	483	471	12	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SPAN 1, BEAM 5 HAS 12 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	12		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	12	12	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	48	36	12	0	0	Feet
515	Steel Protective Coating	483	471	12	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	SPAN 1, BEAM 6 HAS 12 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	12			Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	12	12		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	48	36	12	0	0	Feet
515	Steel Protective Coating	483	471	12	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	SPAN 1, BEAM 7 HAS 12 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	12			Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	12	12		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	48	34	14	0	0	Feet
515	Steel Protective Coating	483	469	14	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	SPAN 1, BEAM 8 HAS 14 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	14			Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	14	14		Square Feet
General Comments							

Span 1

Median Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	50	0	0	50	0	Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		

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331 Cracking (RC and Other) SPAN 1 MEDIAN RAIL HAS 50 FT. OF HAIRLINE TO 1/16 INCH WIDE CRACKING THRU OUT THE SPAN 3 50 50 Feet

General Comments

Span 1 Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SPAN 1, BEAM 1 NEAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	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	2	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 1, BEAM 1, FAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	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	SPAN 1, BEAM 2, FAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2	Square Feet

General Comments

Span 1 Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	2	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	SPAN 1, BEAM 3, FAR BEARING HAS FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	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	2	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	SPAN 1, BEAM 4, FAR BEARING HAS FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	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	2	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	SPAN 1, BEAM 5, FAR BEARING HAS FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	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	2	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	SPAN 1, BEAM 6, FAR BEARING HAS FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	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	2	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 1, BEAM 7, FAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet

General Comments

Span 1 Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SPAN 1, BEAM 8 NEAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	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	SPAN 1, BEAM 8, FAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2	Square Feet

General Comments

Span 2 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	8,867	5,236	406	3,225	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	SPAN 2, BOTTOM OF DECK, BAY 2 HAS A 1. SQ. FT. AREA OF HAIRLINE MAP CRACKING WITH EFFLO, 20 FT. FROM BENT 2, FOR A TOTAL OF 3000 SQ. FT. WITH OR WITHOUT	3	3,000	3,000	Square Feet

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12	Cracking (RC and Other)	EFFLO. THRU OUT THE BOTTOM OF THE SPAN SPAN 2, TOP OF THE DECK HAS 225 SQ. FT. OF 1/16 INCH WIDE TRANSVERSE CRACKING THRU OUT THE TOP OF THE WEST AND EAST BOUND LANES	3	225	225	Square Feet
12	Cracking (RC and Other)	SPAN 2, BOTTOM OF DECK, BAY 4 HAS A HAIRLINE TRANSVERSE CRACK WITH EFFLO. 25 FT. FROM BENT 2, 5 FT. LONG FOR A TOTAL OF 400 SQ. FT. WITH OR WITHOUT EFFLO. THRU OUT THE BOTTOM OF THE SPAN	2	400	400	Square Feet
12	Exposed Rebar	SPAN 2, BOTTOM OF RIGHT OVERHANG, 5 FT. FROM BENT 1 HAS A 8 INCH DIAMETER X 2 INCH DEEP SPALL WITH REBAR EXPOSED, FOR A TOTAL OF 3 SQ. FT. OF SPALLS WITH REBAR EXPOSED IN THE RIGHT OVERHANG	2	1	1	Square Feet
12	Patched Areas	SPAN 2, TOP OF THE DECK HAS 16 INCH X 44 INCH PATCH, 4 FT. FROM THE LEFT RAIL, 54 FROM BENT 1	2	5		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	440	360	80	0	0	Feet
515	Steel Protective Coating	8,024	7,924	100	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SPAN 2, BEAM 1 HAS 100 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	80		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	100	100	Square Feet

General Comments

BEAMS 1 & 2 BOTTOM FLANGES AND LOWER WEBS IN SPAN 2 WERE REPAIRED IN THE PAST WITH SECTIONS CUT OUT AND NEW STEEL BOLTED IN PLACE. THESE ARE CONSIDERED TEMPORARY REPAIRS.
 BEAMS 1-5 BOTTOM FLANGES AND LOWER WEBS IN SPAN 3 WERE REPAIRED IN THE PAST WITH SECTIONS CUT OUT AND NEW STEEL BOLTED IN PLACE. THESE ARE CONSIDERED TEMPORARY REPAIRS.
 BEAMS 1 -3 BOTTOM FLANGES AND LOWER WEBS IN SPAN 4 NEAR BENT 4 WERE REPAIRED IN THE PAST WITH SECTIONS CUT OUT AND NEW STEEL BOLTED IN PLACE. THESE ARE CONSIDERED TEMPORARY REPAIRS.

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	440	438	0	2	0	Feet
515	Steel Protective Coating	8,024	7,844	180	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SPAN 4, GIRDER 2 AT BENT 4 HAS 1/4 SECTION LOSS ON THE BOTTOM FLANGE, FROM THE END OF THE BEAM OUT 27 INCHES WITH 3/4 INCH REMAINING, PREVIOUS SECTION LOSS TO BEAM HAS BEEN PAINTED OVER	3	2		2 Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	80	80	Square Feet
515	Effectiveness (Steel Protective Coatings)	SPAN 2, BEAM 2 HAS 80 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	100	100	Square Feet

General Comments

BEAMS 1 & 2 BOTTOM FLANGES AND LOWER WEBS IN SPAN 2 WERE REPAIRED IN THE PAST WITH SECTIONS CUT OUT AND NEW STEEL BOLTED IN PLACE. THESE ARE CONSIDERED TEMPORARY REPAIRS.
 BEAMS 1-5 BOTTOM FLANGES AND LOWER WEBS IN SPAN 3 WERE REPAIRED IN THE PAST WITH SECTIONS CUT OUT AND NEW STEEL BOLTED IN PLACE. THESE ARE CONSIDERED TEMPORARY REPAIRS.
 BEAMS 1 -3 BOTTOM FLANGES AND LOWER WEBS IN SPAN 4 NEAR BENT 4 WERE REPAIRED IN THE PAST WITH SECTIONS CUT OUT AND NEW STEEL BOLTED IN PLACE. THESE ARE CONSIDERED TEMPORARY REPAIRS.

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	440	368	70	2	0 Feet
515	Steel Protective Coating	8,024	7,954	70	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 4, GIRDER 3 AT BENT 4 HAS 1/4 SECTION LOSS ON THE BOTTOM FLANGE, FROM THE END OF THE BEAM OUT 27 INCHES WITH 3/4 INCH REMAINING, PREVIOUS SECTION LOSS TO BEAM HAS BEEN PAINTED OVER	3	2	2 Feet
107	Corrosion	SPAN 2, BEAM 3 HAS 70 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	70	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	70	70 Square Feet

General Comments

BEAMS 1-5 BOTTOM FLANGES AND LOWER WEBS IN SPAN 3 WERE REPAIRED IN THE PAST WITH SECTIONS CUT OUT AND NEW STEEL BOLTED IN PLACE. THESE ARE CONSIDERED TEMPORARY REPAIRS.
 BEAMS 1 -3 BOTTOM FLANGES AND LOWER WEBS IN SPAN 4 NEAR BENT 4 WERE REPAIRED IN THE PAST WITH SECTIONS CUT OUT AND NEW STEEL BOLTED IN PLACE. THESE ARE CONSIDERED TEMPORARY REPAIRS.

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	440	350	90	0	0 Feet
515	Steel Protective Coating	8,024	7,934	90	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 2, BEAM 4 HAS 90 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	90	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	90	90 Square Feet

General Comments

BEAMS 1-5 BOTTOM FLANGES AND LOWER WEBS IN SPAN 3 WERE REPAIRED IN THE PAST WITH SECTIONS CUT OUT AND NEW STEEL BOLTED IN PLACE. THESE ARE CONSIDERED TEMPORARY REPAIRS.

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	440	340	100	0	0 Feet
515	Steel Protective Coating	8,024	7,924	100	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 2, BEAM 5 HAS 100 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	100	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	100	100 Square Feet

General Comments

BEAMS 1-5 BOTTOM FLANGES AND LOWER WEBS IN SPAN 3 WERE REPAIRED IN THE PAST WITH SECTIONS CUT OUT AND NEW STEEL BOLTED IN PLACE. THESE ARE CONSIDERED TEMPORARY REPAIRS.

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		440	350	90	0	0 Feet
515	Steel Protective Coating		8,024	7,934	90	0	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	SPAN 2, BEAM 7 HAS 90 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	90		Feet	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	90	90	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		440	338	102	0	0 Feet
515	Steel Protective Coating		8,024	7,924	100	0	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	SPAN 2, BEAM 8 AT BENT 4 HAS 3/16 INCH SECTION LOSS ON THE BOTTOM OF THE BOTTOM RIGHT FLANGE X 4 INCHES WIDE FROM THE FACE OF BEARING OUT 2 FT. WITH 7/16 INCH REMAINING, PREVIOUS SECTION LOSS HAS BEEN PAINTED OVER	2	2		Feet	
107	Corrosion	SPAN 2, BEAM 8 HAS 100 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	100		Feet	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	100	100	Square Feet	
General Comments							

Span 2	Right Bridge Rail
Steel Rail	

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	140	95	45	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Damage	SPAN 2, RIGHT RAIL HAS 20 FT. OF 2 INCH WIDE TEARS THRU OUT THE LENGTH OF THE RAIL	2	20	20	Feet
330	Damage	SPAN 2, RIGHT RAIL HAS 25 FT. OF DAMAGE, STARTING 12 FT. FROM BENT 1	2	25	25	Feet
General Comments						

Span 2	Median Rail
Concrete Railing	

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	140	0	0	140	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	SPAN 2 MEDIAN RAIL HAS 140 FT. OF HAIRLINE TO 1/16 INCH WIDE CRACKING THRU OUT THE SPAN	3	140	140	Feet
General Comments						

Span 2 Expansion Joint

Compression Seal

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
302	Compression Joint Seal	59	35	24	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
302	Seal Adhesion	BENT 1 JOINT HAS 24 FT. OF LOSS OF ADHESION, 1/8 INCH WIDE X 1 INCH DEEP IN THE WEST BOUND LANES	2	24	24	Feet
General Comments						

Span 2	Near Bearing
Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2, BEAM 1 NEAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	3	3	Square Feet
General Comments						

Span 2 Far Bearing**Rocker 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	5	2	3	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	SPAN 2, BEAM 1 FAR BEARING HAS FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING IS STARTING TO FAIL DUE TO RUST	2	3	3		Square Feet
General Comments							

Span 2 Intermediate Bearing**Rocker 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	5	2	3	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	SPAN 2 BEAM 1 INTERMEDIATE BEARING AT BENT 2 HAS FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	3	3		Square Feet
General Comments							

Span 2 Intermediate Bearing**Rocker 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	5	3	2	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	SPAN 2 BEAM 1 INTERMEDIATE BEARING AT BENT 3 HAS FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2		Square Feet
General Comments							

Span 2 Near Bearing**Rocker 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	5	2	3	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	SPAN 2, BEAM 2 NEAR BEARING HAS FRECKLED RUST	2	1			Each

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General Comments

Rocker Bearing

515	Steel Protective Coating	5	3	2	0	0	Square Feet
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General Comments

Rocker Bearing

515	Steel Protective Coating	5	2	3	0	0	Square Feet
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General Comments

Rocker Bearing

515	Steel Protective Coating	5	2	3	0	0	Square Feet
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General Comments

Span 2 Far Bearing**Rocker 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	5	3	2	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2, BEAM 3 FAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING IS STARTING TO FAIL DUE TO RUST	2	2	2	Square Feet

General Comments

Span 2 Intermediate Bearing**Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2, BEAM 3 INTERMEDIATE BEARING AT BENT 2 HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	3	3	Square Feet

General Comments

Span 2 Near Bearing**Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2, BEAM 4 NEAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	3	3	Square Feet

General Comments

Span 2 Far Bearing**Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2, BEAM 4 FAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING IS STARTING TO FAIL DUE TO RUST	2	3	3	Square Feet

General Comments

Span 2 Intermediate Bearing

Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2 BEAM 4 INTERMEDIATE BEARING AT BENT 2 HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	3	3	Square Feet

General Comments

Span 2 Near Bearing

Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2, BEAM 5 NEAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	3	3	Square Feet

General Comments

Span 2 Far Bearing

Rocker 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	5	3	2	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2, BEAM 5 FAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING IS STARTING TO FAIL DUE TO RUST	2	2	2	Square Feet

General Comments

Span 2 Intermediate Bearing

Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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311	Corrosion	SPAN 2 BEAM 5 INTERMEDIATE BEARING AT BENT 2 HAS FRECKLED RUST	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	3	3 Square Feet
General Comments					

Span 2 Near Bearing Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2, BEAM 6 NEAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	3	3	Square Feet
General Comments						

Span 2 Far Bearing Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2, BEAM 6 FAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING IS STARTING TO FAIL DUE TO RUST	2	3	3	Square Feet
General Comments						

Span 2 Intermediate Bearing Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2, BEAM 6 INTERMEDIATE BEARING AT BENT 2 HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	3	3	Square Feet
General Comments						

Span 2 Near Bearing**Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2, BEAM 7 NEAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	3	3	Square Feet

General Comments

Span 2 Far Bearing**Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2, BEAM 7 FAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING IS STARTING TO FAIL DUE TO RUST	2	3	3	Square Feet

General Comments

Span 2 Intermediate Bearing**Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2, BEAM 7 INTERMEDIATE BEARING AT BENT 2 HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	3	3	Square Feet

General Comments

Span 2 Near Bearing**Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2, BEAM 8 NEAR BEARING HAS FRECKLED RUST	2	1		Each

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General Comments

Rocker Bearing

515	Steel Protective Coating	5	2	3	0	0	Square Feet
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General Comments

Rocker Bearing

515	Steel Protective Coating	5	2	3	0	0	Square Feet
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General Comments

Rocker Bearing

515	Steel Protective Coating	5	2	3	0	0	Square Feet
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General Comments

Span 2 Intermediate Bearing**Rocker 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	5	3	2	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2 BEAM 3 INTERMEDIATE BEARING AT BENT 3 HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet

General Comments

Span 2 Intermediate Bearing**Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2 BEAM 4 INTERMEDIATE BEARING AT BENT 3 HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	3	3	Square Feet

General Comments

Span 2 Intermediate Bearing**Rocker 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	5	3	2	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2 BEAM 5 INTERMEDIATE BEARING AT BENT 3 HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet

General Comments

Span 2 Intermediate Bearing**Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2 BEAM 6 INTERMEDIATE BEARING AT BENT 3 HAS FRECKLED RUST	2	1		Each

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515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	3	3	Square Feet
General Comments						

Span 2 Intermediate Bearing

Rocker 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	5	3	2	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2 BEAM 7 INTERMEDIATE BEARING AT BENT 3 HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet
General Comments						

Span 2 Intermediate Bearing

Rocker 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	5	2	3	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SPAN 2, BEAM 8 INTERMEDIATE BEARING AT BENT 3 HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	3	3	Square Feet
General Comments						

Span 3 Deck

Reinforced Concrete Deck

Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck		10,133	5,034	2,224	2,875	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	SPAN 3, BOTTOM OF BAY 7 DECK HAS 1 SQ. FT. OF 1/32 INCH WIDE MAP CRACKING, 15 FT. FROM BENT 3 FOR A TOTAL OF 2500 SQ. FT. THRU OUT THE BOTTOM OF THE SPAN	3	2,500	2,500	Square Feet
12	Cracking (RC and Other)	SPAN 3, TOP OF THE DECK HAS 375 SQ. FT. OF 1/16 INCH WIDE TRANSVERSE CRACKING THRU OUT THE TOP OF THE WEST AND EAST BOUND LANES	3	375	375	Square Feet
12	Cracking (RC and Other)	SPAN 3, BAY 7, BOTTOM OF THE DECK HAS A 6 FT. LONG HAIRLINE TRANSVERSE CRACK, 20 FT. FROM BENT 3, FOR A TOTAL OF 2100 SQ. FT. THRU OUT THE BOTTOM OF THE SPAN	2	2,100	2,100	Square Feet
12	Patched Areas	SPAN 3, TOP OF THE DECK HAS A PATCH, 12 INCHES X 48 INCHES, 5 FT. FROM THE LEFT RAIL, 20 FT. FROM BENT 3, FOR A TOTAL OF 120 SQ. FT. OF PATCHES THRU OUT THE TOP OF SPAN 2 WEST BOUND LANES	2	120		Square Feet
12	Patched Areas	SPAN 3, TOP OF THE DECK HAS A PATCH, 24 INCHES X 24 INCHES, AT CENTERLINE OF ROADWAY NEAR BENT 2	2	4		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	160	130	30	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Damage	SPAN 3, LEFT BRIDGE RAIL HAS 30 FT. OF 2 INCH WIDE TEARS THRU OUT THE SPAN	2	30	30 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	160	135	25	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Damage	SPAN 3 RIGHT RAIL HAS 25 FT. OF 2 INCH WIDE TEARS THRU OUT THE LENGTH OF THE RAIL	2	25	25 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	160	0	0	160	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	SPAN 3 MEDIAN RAIL HAS 160 FT. OF HAIRLINE TO 1/16 INCH WIDE CRACKING THRU OUT THE SPAN	3	160	160 Feet

General Comments

Span 4 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	8,867	4,225	2,225	2,416	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Patched Areas	SPAN 4, BAY 4, BOTTOM OF DECK HAS A PATCHED AREA THAT HAS FAILED, 30 FT. FROM BENT 4, 15 INCHES IN DIAMETER X 4 INCHES DEEP WITH REBAR EXPOSED	4	1	1 Square Feet
12	Cracking (RC and Other)	SPAN 4 TOP OF THE DECK HAS 1 SQ. FT. AREA OF 1/16 INCH WIDE MAP CRACKING AT CENTERLINE OF ROADWAY AT MID-SPAN FOR A TOTAL OF 220 SQ. FT. OF CRACKING THRU OUT THE TOP OF THE WEST AND EAST BOUND LANES	3	220	220 Square Feet
12	Cracking (RC and Other)	SPAN 4, BAY 2, BOTTOM OF THE DECK HAS A 5 SQ. FT. AREA OF HAIRLINE MAP CRACKING WITH EFFLO. , FOR A TOTAL OF 1800 SQ. FT., WITH OR WITHOUT EFFLO. THRU OUT BOTTOM OF SPAN	3	1,800	1,800 Square Feet

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12	Cracking (RC and Other)	SPAN 4, TOP OF DECK HAS 320 SQ. FT. OF 1/16 INCH WIDE TRANSVERSE CRACKING THRU OUT THE TOP OF SPAN 4 WEST AND EAST BOUND LANES	3	320	320	Square Feet
12	Exposed Rebar	SPAN 4, BOTTOM OF LEFT OVERHANG AT BENT 3 HAS A SPALL, 14 INCHES X 14 INCHES X 4 INCHES DEEP WITH EXPOSED REBAR	3	1	1	Square Feet
12	Patched Areas	SPAN 4, BAY 4, BOTTOM OF DECK, 40 FT. FROM BENT 4 HAS A UNSOUND PATCHED AREA WITH EXPOSED REBAR, 5 FT. X 3 FT.	3	15	15	Square Feet
12	Patched Areas	SPAN 4, BOTTOM OF THE DECK HAS 5 FT. WIDE TRANSVERSE PATCHED AREAS IN ALL BAYS AT MID-SPAN	3	60	60	Square Feet
12	Cracking (RC and Other)	SPAN 4 BOTTOM OF DECK IN BAY 4 HAS A HAIRLINE TRANSVERSE CRACK WITH EFFLO, 25 FT. FROM BENT 4, FOR A TOTAL OF 2000 SQ. FT. THRU OUT THE BOTTOM OF THE SPAN	2	2,000	2,000	Square Feet
12	Patched Areas	SPAN 4, TOP OF THE DECK HAS A PATCH, 24 INCHES X 12 INCHES, 12 FT. FROM THE LEFT RAIL, AT MID-SPAN, FOR A TOTAL OF 225 SQ. FT. THRU OUT THE TOP OF THE WEST BOUND LANES	2	225		Square Feet

General Comments

Span 4 Median Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	140	0	0	140	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	SPAN 4 MEDIAN RAIL HAS 140 FT. OF HAIRLINE TO 1/16 INCH WIDE CRACKING THRU OUT THE SPAN	3	140	140	Feet

General Comments

Span 5 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	3,800	1,878	1,622	300	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	SPAN 5 TOP OF THE DECK HAS A 1/16 INCH WIDE DIAGONAL CRACK, 10 FT. LONG, STARTING AT BENT 4, FOR A TOTAL OF 100 FT. OF CRACKING THRU OUT THE WEST AND EAST BOUND LANES	3	100	100	Square Feet
12	Cracking (RC and Other)	SPAN 5, TOP OF THE DECK HAS HAS 200 SQ. FT. OF 1/16 INCH WIDE TRANSVERSE CRACKS THRU OUT THE WEST AND EAST BOUND LANES	3	200	200	Square Feet
12	Cracking (RC and Other)	SPAN 5, BOTTOM OF DECK IN BAY 1 HAS 1 SQ. FT. OF HAIRLINE MAP CRACKING, 6 FT. FROM BENT 5 CAP, FOR A TOTAL OF 1400 SQ. FT. THRU OUT SPAN	2	1,400	1,400	Square Feet
12	Cracking (RC and Other)	SPAN 5, BOTTOM OF DECK IN BAY 1 HAS A HAIRLINE TRANSVERSE CRACK , 6 FT. LONG, WITH OR WITHOUT EFFLO., 14 FT. FROM BENT 5 CAP, FOR A TOTAL OF 200 SQ. FT. THRU OUT THE SPAN	2	200	200	Square Feet
12	Exposed Rebar	SPAN 5 BOTTOM OF RIGHT OVERHANG, 8 FT. FROM BENT 5 HAS A 12 INCH DIAMETER SPALL X 1 INCH DEEP WITH REBAR EXPOSED	2	1	1	Square Feet
12	Exposed Rebar	SPAN 5 BOTTOM OF RIGHT OVERHANG, AT BENT 5 HAS A 12 INCH X 22 INCH SPALL X 1 INCH DEEP WITH REBAR EXPOSED	2	2	2	Square Feet
12	Exposed Rebar	SPAN 5, BOTTOM OF LEFT OVERHANG, 5 FT. FROM BENT 5 HAS A 8 INCH DIAMETER X 2 INCH DEEP SPALL WITH REBAR EXPOSED, FOR A TOTAL OF 3 SQ. FT. OF SPALLS	2	3	3	Square Feet

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12	Exposed Rebar	WITH REBAR EXPOSED IN THE LEFT OVERHANG SPAN 5, BOTTOM OF RIGHT OVERHANG AT BENT 4 HAS A SPALL, 12 INCHES X 15 INCHES X 1.5 INCHES DEEP WITH EXPOSED REBAR	2	1	1 Square Feet
12	Patched Areas	SPAN 5 TOP OF THE DECK HAS A PATCH, 3 FT. X 6 FT. 5 FT. FROM THE RIGHT CURB AND 10 FROM BENT 5	2	15	Square Feet
General Comments					

Span 5

Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	60	40	20	0	0	Feet
515	Steel Protective Coating	600	580	20	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SPAN 5, BEAM 1 HAS 20 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	20	20	Square Feet
General Comments						

Span 5

Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	60	42	16	1	1 Feet
515	Steel Protective Coating	600	584	16	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 5, BEAM 2 AT BENT 5 HAS A 1 INCH DIAMETER HOLE RUSTED THRU THE WEB, 7.5 INCHES FROM THE END OF THE BEAM AND 1 INCH ABOVE THE BOTTOM FLANGE, THE BOTTOM FLANGE HAS 3/8 INCH SECTION LOSS FROM FACE OF BEARING OUT 2 INCHES X FULL WIDTH WITH 1/4 INCH REMAINING, PREVIOUS SECTION LOSS TO BEAM HAS BEEN PAINTED OVER	4	1	1 Feet
107	Corrosion	SPAN 5, BEAM 2 AT BENT 4 HAS 1/8 INCH SECTION LOSS ON THE BOTTOM FLANGE, STARTING 2 INCHES OUT AT FACE OF BEARING X 2 INCHES LONG X FULL WIDTH WITH 1/2 INCH REMAINING, THE VERTICAL WEB STIFFNER ON THE RIGHT SIDE IS CRACKED AND HAS A 1 INCH DIAMETER HOLE RUSTED THRU NEAR THE BOTTOM AT THE BEARNG AREA, THE WEB HAS 1/16 INCH SECTION LOSS FROM THE END OF THE BEAM OUT 10 INCHES AND 4 INCHES UP FROM THE BOTTOM WITH 9/16 INCH REMAINING	3	1	1 Feet
107	Corrosion	SPAN 5, BEAM 2 HAS 16 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	16	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	16	16 Square Feet
General Comments					

Span 5

Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	60	47	12	1	0	Feet
515	Steel Protective Coating	600	588	12	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SPAN 5, BEAM 3 AT BENT 4 HAS 1/8 INCH SECTION LOSS ON THE BOTTOM FLANGE, STARTING 2 INCHES OUT AT FACE OF BEARING X 2 INCHES LONG X FULL WIDTH WITH 1/2 INCH REMAINING, THE VERTICAL WEB STIFFNER ON THE RIGHT SIDE HAS A 1/2 INCH DIAMETER HOLE RUSTED THRU NEAR THE BOTTOM AT THE BEARING AREA, THE WEB HAS 1/16 INCH SECTION LOSS FROM THE END OF THE BEAM OUT 10 INCHES AND 4 INCHES UP FROM THE BOTTOM WITH 9/16 INCH REMAINING	3	1	1	Feet
107	Corrosion	SPAN 5, BEAM 3 HAS 12 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	12		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	12	12	Square Feet
General Comments						

Span 5

Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	60	44	16	0	0	Feet
515	Steel Protective Coating	600	585	15	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SPAN 5, BEAM 4 AT BENT 4 HAS 1/16 INCH SECTION IN THE WEB FROM THE BEAM END OUT 10 INCHES X 10 INCHES HIGH WITH 9/16 INCH REMAINING	2			Feet
107	Corrosion	Span 5 Beam 4: SPAN 5, BEAM 4 AT BENT 5 HAS 1/16 INCH SECTION IN THE WEB FROM THE BEAM END OUT 10 INCHES X 12 INCHES HIGH WITH 9/16 INCH REMAINING	2	1		Feet
107	Corrosion	SPAN 5, BEAM 4 HAS 15 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	15		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	15	15	Square Feet
General Comments						

Span 5

Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	60	44	16	0	0	Feet
515	Steel Protective Coating	600	585	15	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SPAN 5, BEAM 5 AT BENT 5 HAS 5/16 INCH SECTION LOSS ON THE BOTTOM RIGHT FLANGE, 3 INCHES WIDE X 3 INCHES OUT FROM THE FACE OF BEARING WITH 5/16 INCH REMAINING, THE LOWER WEB HAS 1/8 INCH SECTION LOSS FROM THE END OF THE BEAM OUT 15	2	1		Feet

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General Comments

Beam 6

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	60	48	12	0	0	Feet
515	Steel Protective Coating	600	588	12	0	0	Square Feet

General Comments

Beam 7

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	60	48	12	0	0	Feet
515	Steel Protective Coating	600	588	12	0	0	Square Feet

General Comments

Beam 8

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	60	40	20	0	0	Feet
515	Steel Protective Coating	600	580	20	0	0	Square Feet

General Comments

Median Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	60	0	0	60	0 Feet

General Comments

Near 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

General Comments

Far 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

General Comments

Near 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

General Comments

Span 5 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	SPAN 5, BEAM 2 FAR BEARING HAS FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2		Square Feet
General Comments							

Span 5 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	SPAN 5, BEAM 3 NEAR BEARING HAS FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2		Square Feet
General Comments							

Span 5 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	SPAN 5, BEAM 3 FAR BEARING HAS FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2		Square Feet
General Comments							

Span 5 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	SPAN 5, BEAM 4 NEAR BEARING HAS FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2		Square Feet

General Comments

Span 5 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	SPAN 5, BEAM 4 FAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet

General Comments

Span 5 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	SPAN 5, BEAM 5 NEAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet

General Comments

Span 5 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	SPAN 5, BEAM 5 FAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet

General Comments

Span 5 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	
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311	Corrosion	SPAN 5, BEAM 6 NEAR BEARING HAS FRECKLED RUST	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2 Square Feet
General Comments					

Span 5 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	SPAN 5, BEAM 6 FAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet
General Comments						

Span 5 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	SPAN 5, BEAM 7 NEAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet
General Comments						

Span 5 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	SPAN 5, BEAM 7 FAR BEARING HAS FRECKLED RUST	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2 Square Feet
General Comments					

Span 5 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	SPAN 5, BEAM 8 NEAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet

General Comments

Span 5 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	SPAN 5, BEAM 8 FAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet

General Comments

Span 6 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	3,800	2,615	0	1,185	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	SPAN 6 TOP OF THE DECK HAS 125 SQ. FT. OF 1/16 INCH WIDE TRANSVERSE CRACKING THRU OUT THE WEST AND EAST BOUND LANES	3	125	125	Square Feet
12	Cracking (RC and Other)	SPAN 6, BAY 2 BOTTOM OF DECK HAS A 1 SQ. FT. AREA OF HAIRLINE MAP CRACKING WITH EFFLO., 15 FT. FROM END BENT 2 FOR A TOTAL OF 600 SQ. FT. THRU OUT THE BOTTOM OF THE DECK WITH OR WITHOUT EFFLO.	3	600	600	Square Feet
12	Cracking (RC and Other)	SPAN 6, BAY 4 BOTTOM OF THE DECK HAS A 1/32 INCH WIDE X 7 FT. LONG TRANSVERSE CRACK WITH EFFLO., 18 FT. FROM END BENT 2 FOR A TOTAL OF 300 SQ. FT. WITH OR WITHOUT EFFLO. THRU OUT SPAN	3	300	300	Square Feet
12	Cracking (RC and Other)	SPAN 6, BAY 4, BOTTOM OF THE DECK HAS A 1/32 INCH WIDE LONGITUDINAL CRACK, 10 FT. LONG, STARTING 20 FT. FROM END BENT 2	3	10	10	Square Feet
12	Cracking (RC and Other)	SPAN 6, TOP OF THE DECK HAS 1/16 INCH WIDE X 12 FT. LONG DIAGONAL CRACK AT END BENT 2, FOR A TOTAL OF 150 SQ. FT. THRU OUT THE WEST AND EAST BOUND LANES	3	150	150	Square Feet

General Comments

Span 6		Beam 3					
Plate Girder							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam		59	43	16	0	0 Feet
515	Steel Protective Coating		592	577	15	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	Span 6 Beam 3: SPAN 6, BEAM 3 AT BENT 5 HAS 1/16 INCH SECTION IN THE WEB FROM THE BEAM END OUT 10 INCHES X 12 INCHES HIGH WITH 9/16 INCH REMAINING	2	1	Feet
107	Corrosion	SPAN 6, BEAM 3 HAS 15 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	15	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	15	15 Square Feet
General Comments					

Span 6		Beam 5					
Plate Girder							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam		59	47	12	0	0 Feet
515	Steel Protective Coating		592	580	12	0	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	SPAN 6, BEAM 5 HAS 12 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	12		Feet	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	12	12	Square Feet	
General Comments							

Span 6		Beam 6					
Plate Girder							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam		59	45	14	0	0 Feet
515	Steel Protective Coating		592	578	14	0	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	SPAN 6, BEAM 6 HAS 14 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	14		Feet	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	14	14	Square Feet	
General Comments							

Span 6 **Beam 7****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	59	43	16	0	0	Feet
515	Steel Protective Coating	592	590	2	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SPAN 6, BEAM 7 AT BENT 5 HAS 1/8 INCH SECTION LOSS ON THE BOTTOM LEFT FLANGE X 3 INCHES WIDE, 2 INCHES OUT FROM THE FACE OF BEARING, WITH 1/2 INCH REMAINING, PREVIOUS SECTION LOSS HAS BEEN PAINTED OVER	2	1		Feet
107	Corrosion	SPAN 6, BEAM 7 HAS 15 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	15		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet
General Comments						

Span 6 **Beam 8****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	59	44	15	0	0	Feet
515	Steel Protective Coating	592	577	15	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SPAN 6, BEAM 8 HAS 15 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM	2	15		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	15	15	Square Feet
General Comments						

Span 6 **Left Bridge Rail****Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	60	48	12	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Damage	SPAN 6, LEFT BRIDGE RAIL HAS 12 FT. OF 2 INCH WIDE TEARS THRU OUT THE SPAN	2	12	12	Feet
General Comments						

Span 6 **Expansion Joint****Compression Seal**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
302	Compression Joint Seal	59	35	24	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: 430171Inspection Date: 05/18/2017

302 Seal Adhesion END BENT 2 JOINT HAS 1/16 INCH WIDE LOSS OF ADHESION ON BOTH SIDE OF THE JOINT X 1 INCH DEEP X 24 FT. LONG IN THE WEST BOUND LANES 2 24 24 Feet

General Comments

Span 6 Median Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	60	0	0	60	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	SPAN 6 MEDIAN RAIL HAS 60 FT. OF HAIRLINE TO 1/16 INCH WIDE CRACKING THRU OUT THE SPAN	3	60	60	Feet
General Comments						

General Comments

Span 6 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	Span 6 Beam 1 Near Bearing: SPAN 6, BEAM 1 NEAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet
General Comments						

General Comments

Span 6 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	SPAN 6, BEAM 1 FAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2	Square Feet
General Comments						

General Comments

Span 6 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
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Structure Number: 430171Inspection Date: 05/18/2017

311	Corrosion	SPAN 6, BEAM 2 NEAR BEARING HAS FRECKLED RUST	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2 Square Feet
General Comments					

Span 6 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	SPAN 6, BEAM 3 NEAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet
General Comments						

Span 6 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	SPAN 6, BEAM 4 NEAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet
General Comments						

Span 6 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	SPAN 6, BEAM 5 NEAR BEARING HAS FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2	Square Feet
General Comments						

Span 6 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	SPAN 6, BEAM 6 NEAR BEARING HAS FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2		Square Feet
General Comments							

Span 6 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	SPAN 6, BEAM 7 NEAR BEARING HAS FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	2	2		Square Feet
General Comments							

Span 6 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	SPAN 6, BEAM 8 NEAR BEARING HAS FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2		Square Feet
General Comments							

Span 6 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	SPAN 6, BEAM 8 FAR BEARING HAS FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2		Square Feet

General Comments

End Bent 1 Reinforced Concrete Abutment 1

Reinforced Concrete Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	75	73	0	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Cracking (RC and Other)	END BENT 1 ABUTMENT HAS A 1/16 INCH WIDE X 3 FT. LONG DIAGONAL CRACK IN BAY 7	3	2	2	Feet

General Comments

End Bent 1 Reinforced Concrete Pier Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	66	32	0	34	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 3 FT. HAIRLINE TO 1/4 INCH WIDE LONGITUDINAL CRACKING IN BAY 1 WITH RUST STAINING FOR A TOTAL OF 20 FT. THRU OUT LENGTH OF CAP	3	20	20	Feet
234	Delamination/Spall	END BENT 1 FACE OF CAP HAS A SPALL IN BAY 3, 36 INCHES X 9 INCHES X 3 INCHES DEEP	3	3	3	Feet
234	Delamination/Spall	END BENT 1 TOP AND FACE OF CAP HAS AN AREA OF DELAMINATION IN BAY 7 NEAR BEAM 7, 4 FT. LONG X 9 INCHES ACROSS THE TOP X 7 INCHES DOWN THE FACE WITH 1/2 INCH SEPARATION	3	4	4	Feet
234	Delamination/Spall	END BENT 1, FACE OF CAP HAS A SPALL IN BAY 1, 8 INCHES IN DIAMETER X 1 INCH DEEP	3	1	1	Feet
234	Exposed Rebar	END BENT 1, FACE OF CAP HAS A SPALL IN BAY 2, 6 FT. LONG X 11 INCHES WIDE X 3 INCHES DEEP WITH EXPOSED REBAR	3	6	6	Feet

General Comments

End Bent 1 Reinforced Concrete Column 1

Reinforced Concrete Column

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

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

END BENT FOUNDATION PILES ARE NOT VISIBLE. NO SETTLEMENT EVIDENT.

Bent 1 Reinforced Concrete Pier Cap 1**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	61	46	6	9	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	BENT 1 CAP, SPAN 2 SIDE HAS A 1/16 INCH WIDE LONGITUDINAL CRACK, X 3 FT. LONG IN THE FACE OF THE CAP IN BAY 1, NEAR TOP EDGE WITH RUST STAINS	3	3	3 Feet
234	Cracking (RC and Other)	BENT 1 CAP, SPAN 2 SIDE HAS A 1/16 INCH WIDE VERTICAL CRACK, 59 INCHES TALL, (FULL HEIGHT), BETWEEN GIRDERS 4 AND 5, FOR A TOTAL OF 5 VERTICAL CRACKS THRU OUT CAP	3	5	5 Feet
234	Exposed Rebar	BENT 1 CAP, SPAN 2 SIDE HAS A SPALL IN THE FACE OF THE CAP UNDER BEAM 3, 7 INCHES IN DIAMETER X 3/4 INCH DEEP WITH REBAR EXPOSED	3	1	1 Feet
234	Patched Area	BENT 1 CAP, SPAN 2 SIDE HAS 2 PATCHES IN THE FACE NEAR THE BOTTOM EDGE, 6 FT. LONG	2	6	Feet
General Comments					

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	60	0	52	8	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	BENT 2 CAP, SPAN 3 SIDE HAS A 1/32 INCH WIDE LONGITUDINAL CRACK IN THE FACE OF THE CAP, NEAR TOP EDGE, UNDER BEAM 5, 6 FT. LONG	3	6	6 Feet
234	Delamination/Spall	BENT 2 CAP, SPAN 3 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 3, 12 INCHES IN DIAMETER, 2 FT. BELOW THE TOP OF THE CAP	3	1	1 Feet
234	Delamination/Spall	BENT 2 CAP, SPAN 3 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 3, 18 INCHES X 24 INCHES WITH 1/8 INCH SEPARATION	3	1	2 Feet
234	Cracking (RC and Other)	BENT 2 CAP, SPAN 3 SIDE HAS A HAIRLINE VERTICAL CRACK UNDER BEAM 2 IN THE FACE OF THE CAP, 4 FT. LONG	2	1	1 Feet
234	Patched Area	BENT 2 CAP HAS 40 FT. OF SOUND PATCHES THRU OUT THE LENGTH OF THE CAP, PHOTO TAKEN AT SPAN 3 SIDE AT BEAMS 7 AND 8	2	1	Feet
234	Patched Area	BENT 2 CAP, SPAN 2 SIDE HAS 20 FT. OF SOUND PATCHES IN THE FACE OF THE CAP	2	20	Feet
234	Patched Area	BENT 2 CAP, SPAN 3 SIDE HAS 30 FT. OF PATCHES IN THE FACE OF THE CAP THAT ARE SOUND	2	30	Feet
General Comments					

Bent 2 Reinforced Concrete Column 1**Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Patched Area	BENT 2, PILE 1 HAS BEEN PATCHED ON THE NORTHWEST AND SOUTHWEST CORNERS, PATCHES ARE SOUND	2	1	1 Each
General Comments					

Bent 2 Reinforced Concrete Column 2**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	Patched Area	BENT 2, PILE 2 HAS SEVERAL PATCHES IN GOOD CONDITION, PHOTO TAKEN ON THE EAST FACE	2	1	10	Each

General Comments

End Bent 2 Reinforced Concrete Abutment 1**Reinforced Concrete Abutment**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	73	67	6	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Cracking (RC and Other)	END BENT 2 ABUTMENT, BAY 1 HAS 3 DIAGONAL HAIRLINE CRACKS WITH EFFLO, 3 FT. LONG, FOR A TOTAL OF 6 FT. OF CRACKING THRU OUT ABUTMENT	2	6	6	Feet

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	66	16	0	50	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	END BENT 2 CAP HAS 50 FT. OF 1/4 INCH TO 3/8 INCH WIDE LONGITUDINAL CRACKING WITH RUST STAINS IN THE FACE OF THE CAP THRU OUT THE LENGTH OF THE CAP, PHOTO TAKEN IN BAY 8	3	50	50	Feet

General Comments

End Bent 2 Steel Pile 1**Steel Pile**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

END BENT FOUNDATION PILES ARE NOT VISIBLE. NO SETTLEMENT EVIDENT.

Bent 3 Reinforced Concrete Pier Cap 1**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	60	0	31	29	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	BENT 3 CAP, SPAN 3 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, RIGHT SIDE UNDER BEAM 8, 16 INCHES X 32 INCHES WITH 1/16 INCH SEPARATION	3	1	2 Feet
234	Delamination/Spall	BENT 3 CAP, SPAN 4 SIDE HAS A SPALL ON THE FACE OF THE CAP IN BAY 1, 4 FT. DOWN FROM THE TOP OF THE CAP, 10 INCHES IN DIAMETER X 1.5 INCHES DEEP	3	1	1 Feet
234	Delamination/Spall	BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP AT BEAM 6, 16 INCHES IN DIAMETER, WITH RUST STAINS	3	1	2 Feet
234	Delamination/Spall	BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 4, 4 FT. BELOW THE TOP OF THE CAP, 24 INCHES X 72 INCHES WITH 1 INCH DEEP ADJACENT SPALLING AND RUST STAINS	3	6	6 Feet
234	Delamination/Spall	BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 4, 53 INCHES X 24 INCHES WITH 1/8 INCH SEPARATION	3	3	4 Feet
234	Delamination/Spall	BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, IN BAY 1 AT BOTTOM EDGE, 7 FT. LONG X 5 INCHES WIDE WITH 1/8 INCH SEPARATION	3	7	7 Feet
234	Delamination/Spall	BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, UNDER BEAM 1, NEAR BOTTOM EDGE, 20 INCHES IN DIAMETER WITH 1/2 INCH DEEP SPALLING	3	1	2 Feet
234	Patched Area	BENT 3 CAP, SPAN 4 SIDE HAS A DELAMNATED PATCHED AREA IN BAY 3, STARTING 4.5 FT. DOWN FROM THE TOP OF THE CAP, 9 FT. LONG X 30 INCHES HIGH AND GOES ACROSS THE BOTTOM OF THE CAP 6 INCHES WITH 1/16 INCH WIDE CRACKING AND RUST STAINS	3	9	9 Feet
234	Patched Area	BENT 3 CAP HAS 31 FT. OF SOUND PATCHES AREAS THRU OUT THE LENGTH OF THE CAP, PHOTO TAKEN AT SPAN 3 SIDE AT BEAM 7	2	31	Feet

General Comments

Bent 3 Reinforced Concrete Column 1**Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Patched Area	BENT 3, PILE 1 HAS AN UNSOUND PATCHED AREA ON THE EAST FACE, STARTING AT THE BOTTOM OF THE CAP, 35 FT. LONG WITH UP TO 1 INCH SEPARATION	3	1	35 Each
205	Patched Area	BENT 3, PILE 1 HAS SEVERAL PATCHED AREAS THE ARE SOUND, PHOTO TAKEN, ON THE SOUTH FACE AT MID-HEIGHT	2		Each

General Comments

Bent 3 Reinforced Concrete Column 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	BENT 3, PILE 2 HAS AN AREA OF DELAMINATION ON THE SOUTHWEST CORNER, 20 FT. HIGH X 20 INCHES WIDE WITH UP TO 3/4 INCH WIDE SEPARATION, STARTING 6 FT. BELOW THE BOTTOM OF THE CAP	3	1	20	Each
205	Delamination/Spall	BENT 3, PILE 2 HAS AN AREA OF DELAMINATION ON THE WEST FACE, 20 FT. BELOW THE BOTTOM OF THE CAP, 24 INCHES IN DIAMETER WITH 1/2 INCH SEPARATION	3		2	Each

General Comments

Bent 4 Reinforced Concrete Pier Cap 1**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	60	0	44	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	BENT 4 CAP, SPAN 4 SIDE HAS A 1/16 INCH WIDE VERTICAL CRACK, 59 INCHES TALL, (FULL HEIGHT), BETWEEN GIRDERS 2 AND 3, FOR A TOTAL OF 10 VERTICAL CRACKS THRU OUT CAP	3	10	10	Feet
234	Cracking (RC and Other)	BENT 4 CAP, SPAN 4 SIDE HAS A HAIRLINE LONGITUDINAL CRACK IN THE FACE, UNDER GIRDER 4 NEAR TOP EDGE WITH RUST STAINS	3	1	2	Feet
234	Delamination/Spall	BENT 4 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP UNDER BEAM 6, 36 INCHES X 33 INCHES	3	1	3	Feet
234	Delamination/Spall	BENT 4 CAP, SPAN 5 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, 6 FT. UNDER BEAM 3, 36 INCHES X 12 INCHES	3	3	3	Feet
234	Patched Area	BENT 4 CAP, SPAN 5 SIDE HAS AN AREA OF DELAMINATED PATCHED AREA IN THE FACE OF THE CAP, 6 FT. UNDER BEAM 2, 10 INCHES X 12 INCHES	3	1	1	Feet
234	Patched Area	BENT 4 CAP HAS 44 FT. OF SOUND PATCHES THRU OUT THE LENGTH OF THE CAP, PHOTO TAKEN ON SPAN 4 SIDE	2	44		Feet

General Comments

Bent 4 Reinforced Concrete Column 1**Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Patched Area	BENT 4, PILE 1 HAS A DELAMINATED PATCHED AREA ON THE NORTHWEST CORNER, 24 INCHES X 60 INCHES, 9 FT. FROM THE BOTTOM OF THE CAP WITH 1/2 INCH SEPARATION	3	1	1	Each
205	Patched Area	BENT 4, PILE 1 HAS A DELAMINATED PATCHED AREA ON THE SOUTHWEST CORNER, 16 INCHES X 24 INCHES, 8 FT. FROM THE BOTTOM OF THE CAP WITH 1/4 INCH SEPARATION	3		2	Each

205	Patched Area	BENT 4, PILE 1 HAS A PATCH ON THE NORTH EAST CORNER, 30 FT. LONG X 2 FT. WIDE, STARTING AT GROUNDLINE	2	30 Each
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General Comments

Bent 4	Reinforced Concrete Column 2
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	Patched Area	BENT 4, PILE 2 HAS SEVERAL PATCHED AREAS ON THE WEST FACE THAT ARE SOUND	2	1	50 Each

General Comments

Bent 5	Reinforced Concrete Pier Cap 1
Reinforced Concrete Pier Cap	

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	59	0	20	39	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	Bent 5 Cap 1: BENT 5 CAP, SPAN 6 SIDE HAS A 1/16 INCH WIDE LONGITUDINAL CRACK IN THE FACE OF THE CAP, 3 FT. LONG IN BAY 3, NEAR BEAM 4	3	3	3 Feet
234	Cracking (RC and Other)	Bent 5 Cap 1: BENT 5 CAP, SPAN 6 SIDE, BAY 4 AT TOP EDGE HAS A PATCHED AREA WITH 1/8 INCH WIDE LONGITUDINAL CRACKING , 5 FT. LONG X 6 INCHES DOWN THE FACE AND GOES 3 INCHES ACROSS THE TOP	3	5	5 Feet
234	Delamination/Spall	Bent 5 Cap 1: BENT 5 CAP, SPAN 6 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 4. 5 FT. LONG X 1 FT. HIGH	3	5	5 Feet
234	Delamination/Spall	Bent 5 Cap 1: BENT 5 CAP, SPAN 6 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, IN BAY 2 AT TOP EDGE, 52 INCHES LONG X 10 INCHES DOWN THE FACE OF THE CAP AND UP TO 12 INCHES ACROSS THE TOP, NEAR BEAM 2 WITH 1/16 INCH SEPARATION, BEAM 2 BEARING AREA IS SOUND	3	4	4 Feet
234	Delamination/Spall	Bent 5 Cap 1: BENT 5 CAP, SPAN 6 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, UNDER BEAM 1, 36 INCHES X 14 INCHES, WITH 1/8 INCH SEPARATION, NEAR THE BOTTOM EDGE AT THE END OF THE CAP	3	3	3 Feet
234	Delamination/Spall	BENT 5 CAP, SPAN 5 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP UNDER BEAM 4, 36 INCHES X 12 INCHES	3	3	3 Feet
234	Delamination/Spall	BENT 5 CAP, SPAN 5 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP UNDER BEAM 5, 42 INCHES X 26 INCHES	3	4	4 Feet
234	Delamination/Spall	BENT 5 CAP, SPAN 5 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, UNDER BEAM 2, NEAR TOP EDGE, 41 INCHES X 16 INCHES WITH 1/8 INCH SEPARATION AND RUST STAINING	3	3	3 Feet
234	Delamination/Spall	BENT 5 CAP, SPAN 6 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 5 NEAR BEAM 6, 12 INCHES IN DIAMETER	3	1	1 Feet
234	Patched Area	Bent 5 Cap 1: BENT 5 CAP, SPAN 6 SIDE HAS A PATCHED AREA IN THE FACE OF THE CAP, STARTING AT THE LEFT END OF THE CAP, 104 INCHES LONG AND UP TO 16 INCHES HIGH WITH DELAMINATION AND UP TO 1 INCH WIDE CRACKING	3	8	8 Feet
234	Patched Area	BENT 5 CAP HAS 45 FT. OF SOUND PATCHES THRU OUT THE LENGTH OF THE CAP, PHOTO TAKEN ON SPAN 5	2		Feet

234	Patched Area	SIDE BENT 5 CAP, SPAN 5 SIDE HAS RANDOM PATCHED AREAS IN THE FACE OF THE CAP, PHOTO TAKEN AT LEFT SIDE	2	20	Feet
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General Comments

Bent 5 Reinforced Concrete Column 1

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Patched Area	BENT 5, PILE 1 HAS A PATCH ON THE NORTHEAST CORNER, 2 FT. WIDE X 8 FT. HIGH, STARTING 1 FT. BELOW THE BOTTOM OF THE CAP	2	1	8	Each

General Comments

Bent 5 Reinforced Concrete Column 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	Delamination/Spall	BENT 5, PILE 4 HAS A SPALL ON THE NORTH EAST CORNER, STARTING 4 FT. ABOVE GROUND LINE, 7 INCHES WIDE X 16 INCHES HIGH X 3 INCHES DEEP	3		2	Each
205	Delamination/Spall	BENT 5, PILE 4 HAS AN AREA OF DELAMINATION ON THE NORTHEAST CORNER, 1 FT. BELOW THE BOTTOM OF THE CAP, 9 INCHES WIDE X 24 INCHES HIGH	3	1	2	Each

General Comments

Approach 1 Reinforced Concrete Approach Slab 1

Reinforced Concrete Approach Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
321	Reinforced Concrete Approach Slabs	580	580	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	580	580	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.

Structure Number: 430171

Inspection Date: 05/18/2017

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3167
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	48
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	48
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	48
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	48
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	48
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	48
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	48
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	48
Span 1	Left Bridge Rail	Steel Rail	Metal Bridge Railing	50
Span 1	Right Bridge Rail	Steel Rail	Metal Bridge Railing	50
Span 1	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 1	Expansion Joint	Compression Seal	Compression Joint Seal	59
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	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	8867
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	440
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	440
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	440
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	440
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	440
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	440
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	440
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	440
Span 2	Left Bridge Rail	Steel Rail	Metal Bridge Railing	140
Span 2	Right Bridge Rail	Steel Rail	Metal Bridge Railing	140
Span 2	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	140
Span 2	Expansion Joint	Compression Seal	Compression Joint Seal	59
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Far Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1

Elements Verified

Location	Name	Component	Element Name	Amount
Span 2	Near Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Near Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Far Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Near Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Far Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Near Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Far Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Near Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Far Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Near Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Far Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Near Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Far Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Near Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Far Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Near Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Far Bearing	Rocker Bearing	Movable Bearing	1
Span 2	Intermediate Bearing	Rocker Bearing	Movable Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	10133
Span 3	Left Bridge Rail	Steel Rail	Metal Bridge Railing	160
Span 3	Right Bridge Rail	Steel Rail	Metal Bridge Railing	160
Span 3	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	160
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	8867
Span 4	Left Bridge Rail	Steel Rail	Metal Bridge Railing	140
Span 4	Right Bridge Rail	Steel Rail	Metal Bridge Railing	140
Span 4	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	140
Span 5	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3800
Span 5	Beam 1	Plate Girder	Steel Open Girder/Beam	60
Span 5	Beam 2	Plate Girder	Steel Open Girder/Beam	60
Span 5	Beam 3	Plate Girder	Steel Open Girder/Beam	60
Span 5	Beam 4	Plate Girder	Steel Open Girder/Beam	60
Span 5	Beam 5	Plate Girder	Steel Open Girder/Beam	60
Span 5	Beam 6	Plate Girder	Steel Open Girder/Beam	60
Span 5	Beam 7	Plate Girder	Steel Open Girder/Beam	60

Elements Verified

Location	Name	Component	Element Name	Amount
Span 5	Beam 8	Plate Girder	Steel Open Girder/Beam	60
Span 5	Left Bridge Rail	Steel Rail	Metal Bridge Railing	60
Span 5	Right Bridge Rail	Steel Rail	Metal Bridge Railing	60
Span 5	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	60
Span 5	Expansion Joint	Compression Seal	Compression Joint Seal	59
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 6	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3800
Span 6	Beam 1	Plate Girder	Steel Open Girder/Beam	59
Span 6	Beam 2	Plate Girder	Steel Open Girder/Beam	59
Span 6	Beam 3	Plate Girder	Steel Open Girder/Beam	59
Span 6	Beam 4	Plate Girder	Steel Open Girder/Beam	59
Span 6	Beam 5	Plate Girder	Steel Open Girder/Beam	59
Span 6	Beam 6	Plate Girder	Steel Open Girder/Beam	59
Span 6	Beam 7	Plate Girder	Steel Open Girder/Beam	59
Span 6	Beam 8	Plate Girder	Steel Open Girder/Beam	59
Span 6	Left Bridge Rail	Steel Rail	Metal Bridge Railing	60
Span 6	Right Bridge Rail	Steel Rail	Metal Bridge Railing	60
Span 6	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	60
Span 6	Expansion Joint	Compression Seal	Compression Joint Seal	59
Span 6	Expansion Joint	Compression Seal	Compression Joint Seal	59
Span 6	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Near Bearing	Movable Bearing	Movable Bearing	1
Span 6	Near Bearing	Movable Bearing	Movable Bearing	1
Span 6	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Near Bearing	Movable Bearing	Movable Bearing	1
Span 6	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Near Bearing	Movable Bearing	Movable Bearing	1
Span 6	Near Bearing	Movable Bearing	Movable Bearing	1
Span 6	Far Bearing	Fixed Bearing	Fixed Bearing	1

Elements Verified

Location	Name	Component	Element Name	Amount
Span 6	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Near Bearing	Movable Bearing	Movable Bearing	1
Span 6	Near Bearing	Movable Bearing	Movable Bearing	1
Span 6	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Near Bearing	Movable Bearing	Movable Bearing	1
Span 6	Far Bearing	Fixed Bearing	Fixed Bearing	1
Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	61
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	66
End Bent 1		Reinforced Concrete Abutment	Reinforced Concrete Abutment	75
Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	60
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	66
End Bent 2		Reinforced Concrete Abutment	Reinforced Concrete Abutment	73
Bent 3		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	60
Bent 3		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	60
Bent 4		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 5		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	59
Bent 5		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 5		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 5		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 5		Reinforced Concrete Column	Reinforced Concrete Column	1

General Inspection Notes

Bent 1

END BENT FOUNDATION PILES ARE NOT VISIBLE. NO SETTLEMENT EVIDENT.

Bent 2

END BENT FOUNDATION PILES ARE NOT VISIBLE. NO SETTLEMENT EVIDENT.

National Bridge and NC Inspection Items

Structure Number: 430171

Inspection Date: 05/18/2017

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	5
Item 59: Superstructure	0 - 9 , N	6
Item 60: Substructure	0 - 9 , N	6
Item 61: Channel and Channel Protection	0 - 9 , N	8
Item 62: Culvert	0 - 9 , N	N
Item 71: Waterway Adequacy	0 - 9 , N	8
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	G		
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation		G		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	15		
Superstructure Paint Code		I		

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

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	16
Traffic Control Time	Hours	12
Snooper Time	Hours	12
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

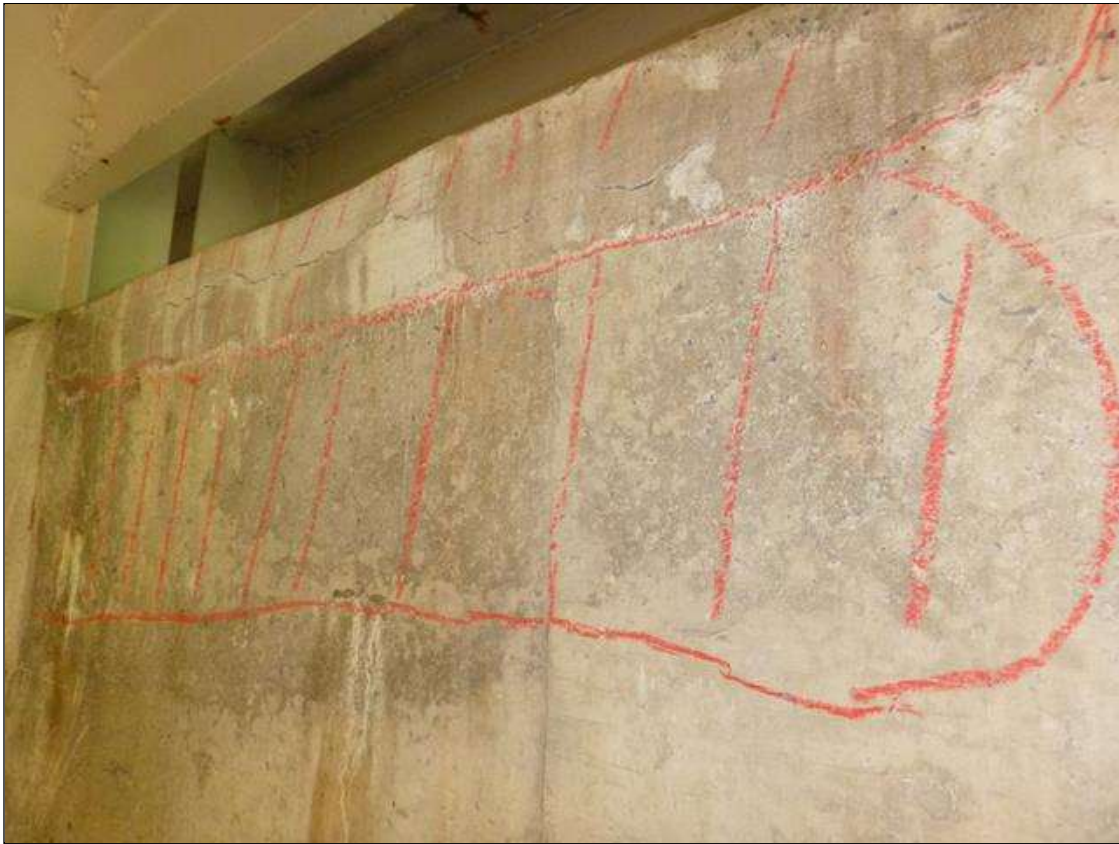
Structure Number: 430171

Inspection Date: 05/18/2017

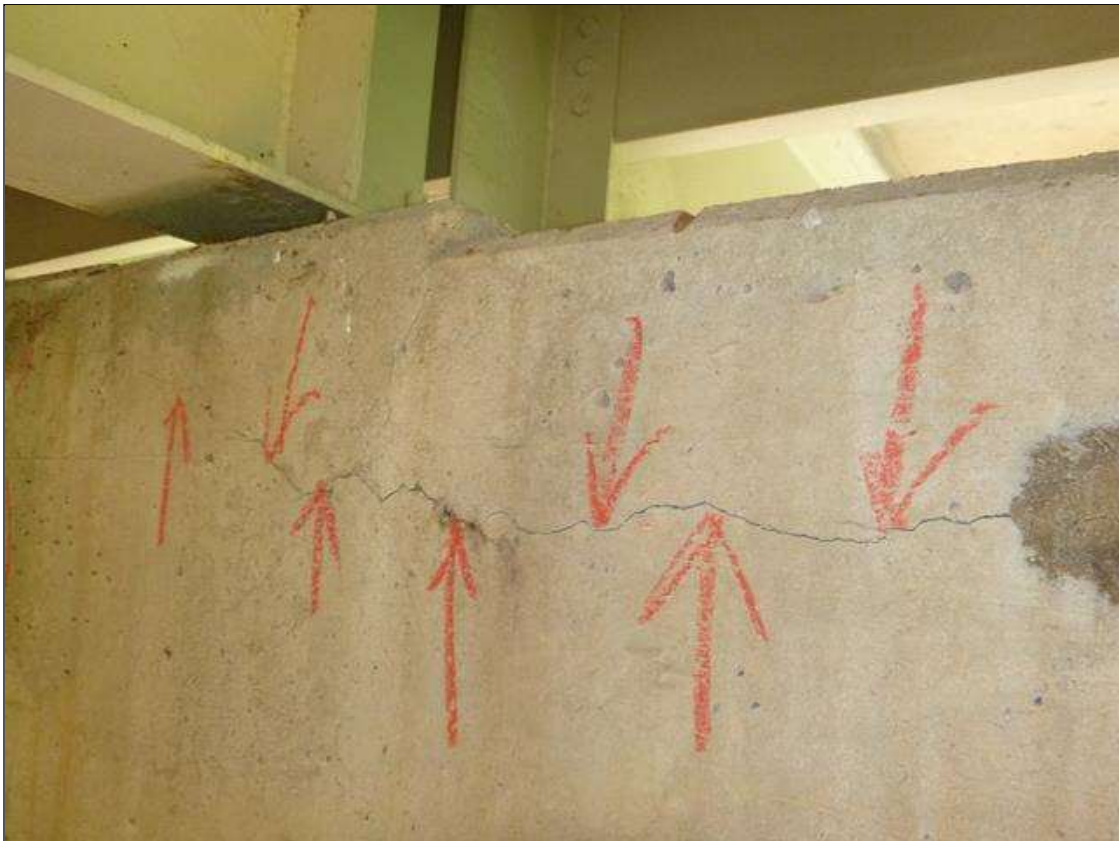
Item	Deck - Item 58	Grade 5	Maint Code	Qty. 0
Details	AREAS OF CRACKING UP TO 1/16 INCH WIDE IN TOP OF THE DECK, 1/32 INCH WIDE MAP CRACKING WITH EFFLO. IN THE BOTTOM OF THE DECK, SPALLS IN THE BOTTOM OF THE OVERHANGS WITH REBAR EXPOSED			
Item	Superstructure - Item 59	Grade 6	Maint Code	Qty. 0
Details	SECTION LOSS FROM PREVIOUS RUST HAS BEEN PAINTED OVER			
Item	Substructure - Item 60	Grade 6	Maint Code	Qty. 0
Details	CAPS AND PILES HAVE AREAS OF CRACKING, DELAMINATION, AND EXPOSED REBAR			



Bent 5 Cap 1: BENT 5 CAP, SPAN 6 SIDE, BAY 4 AT TOP EDGE HAS A PATCHED AREA WITH 1/8 INCH WIDE LONGITUDINAL CRACKING , 5 FT. LONG X 6 INCHES DOWN THE FACE AND GOES 3 INCHES ACROSS THE TOP



Bent 5 Cap 1: BENT 5 CAP, SPAN 6 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 4. 5 FT. LONG X 1 FT. HIGH



Bent 5 Cap 1: BENT 5 CAP, SPAN 6 SIDE HAS A 1/16 INCH WIDE LONGITUDINAL CRACK IN THE FACE OF THE CAP, 3 FT. LONG IN BAY 3, NEAR BEAM 4



Span 6 Beam 4: SPAN 6, BEAM 4 AT BENT 5 HAS 1/16 INCH SECTION IN THE WEB FROM THE BEAM END OUT 10 INCHES X 12 INCHES HIGH WITH 9/16 INCH REMAINING, PAINTED OVER



Span 6 Beam 3: SPAN 6, BEAM 3 AT BENT 5 HAS 1/16 INCH SECTION IN THE WEB FROM THE BEAM END OUT 10 INCHES X 12 INCHES HIGH WITH 9/16 INCH REMAINING, PAINTED OVER



Bent 5 Cap 1: BENT 5 CAP, SPAN 6 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, IN BAY 2 AT TOP EDGE, 52 INCHES LONG X 10 INCHES DOWN THE FACE OF THE CAP AND UP TO 12 INCHES ACROSS THE TOP, NEAR BEAM 2 WITH 1/16 INCH SEPARATION, BEAM 2 BEARING AREA IS SOUND



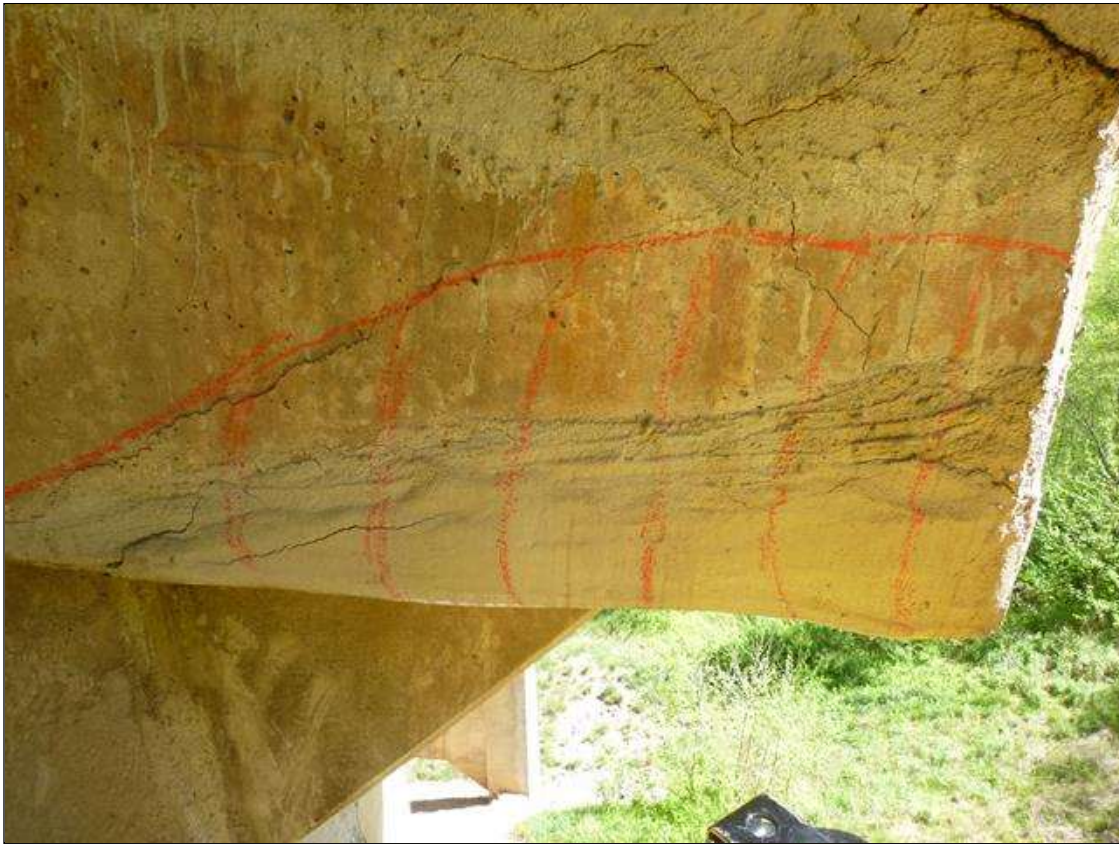
Span 6 Beam 2: SPAN 6, BEAM 2 AT BENT 5 HAS 3/8 INCH SECTION LOSS ON THE BOTTOM FLANGE, STARTING AT THE FACE OF THE BEARING, FULL WIDTH X 3 INCHES LONG WITH 1/4 INCH REMAINING, THE WEB HAS 1/8 INCH SECTION LOSS FROM THE END OF THE BEAM 10 INCHES LONG X 8 INCHES HIGH WITH 1/2 INCH REMAINING, PREVIOUS SECTION LOSS TO BEAM HAS BEEN PAINTED OVER



Span 6 Beam 1 Near Bearing: SPAN 6, BEAM 1 NEAR BEARING HAS FRECKLED RUST



Bent 5 Cap 1: BENT 5 CAP, SPAN 6 SIDE HAS A PATCHED AREA IN THE FACE OF THE CAP, STARTING AT THE LEFT END OF THE CAP, 104 INCHES LONG AND UP TO 16 INCHES HIGH WITH DELAMINATION AND UP TO 1 INCH WIDE CRACKING



Bent 5 Cap 1: BENT 5 CAP, SPAN 6 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, UNDER BEAM 1, 36 INCHES X 14 INCHES, WITH 1/8 INCH SEPARATION, NEAR THE BOTTOM EDGE AT THE END OF THE CAP



SPAN 5, BOTTOM OF LEFT OVERHANG, 5 FT. FROM BENT 5 HAS A 8 INCH DIAMETER X 2 INCH DEEP SPALL WITH REBAR EXPOSED, FOR A TOTAL OF 3 SQ. FT. OF SPALLS WITH REBAR EXPOSED IN THE LEFT OVERHANG



Bent 5 Cap 1: BENT 5 CAP, SPAN 5 SIDE HAS RANDOM PATCHED AREAS IN THE FACE OF THE CAP, PHOTO TAKEN AT LEFT SIDE



Span 5 Beam 4: SPAN 5, BEAM 4 AT BENT 5 HAS 1/16 INCH SECTION IN THE WEB FROM THE BEAM END OUT 10 INCHES X 12 INCHES HIGH WITH 9/16 INCH REMAINING, PAINTED OVER



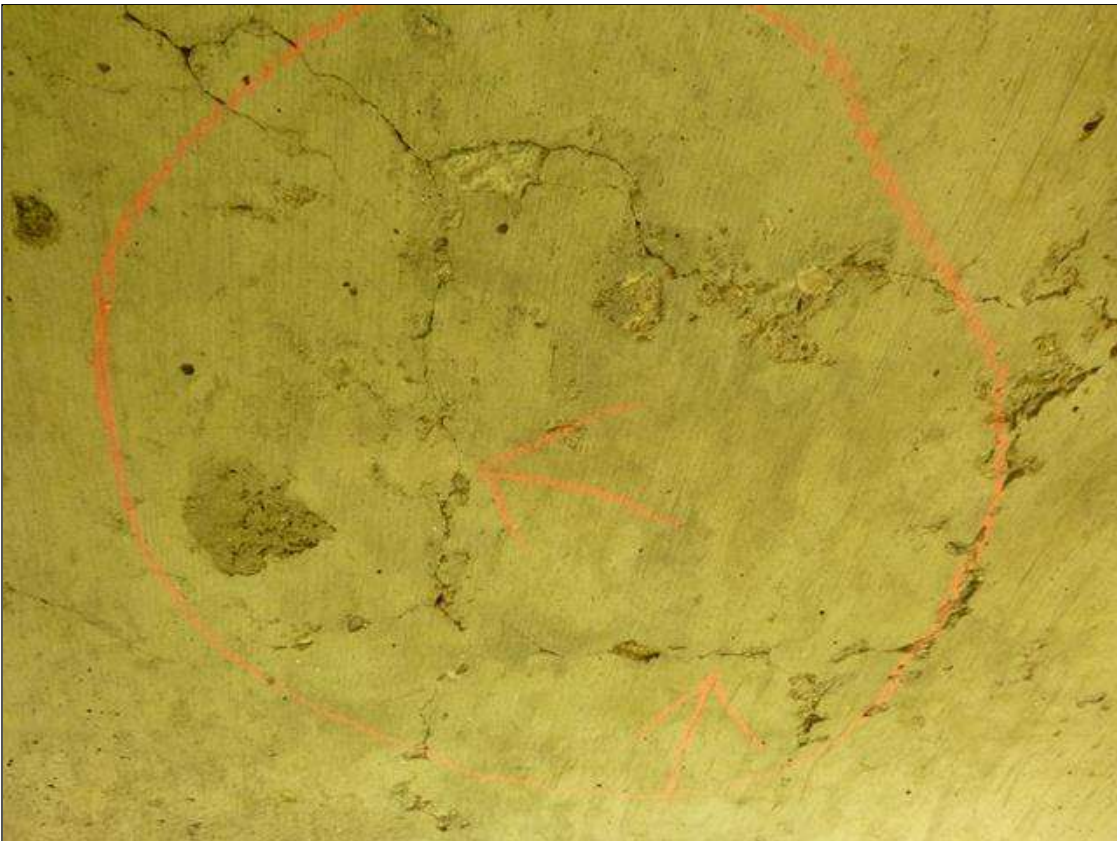
Bent 5 Cap 1: BENT 5 CAP, SPAN 5 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP UNDER BEAM 4, 36 INCHES X 12 INCHES



Span 5 Beam 2: SPAN 5, BEAM 2 AT BENT 5 HAS A 1 INCH DIAMETER HOLE RUSTED THRU THE WEB, 7.5 INCHES FROM THE END OF THE BEAM AND 1 INCH ABOVE THE BOTTOM FLANGE, THE BOTTOM FLANGE HAS 3/8 INCH SECTION LOSS FROM FACE OF BEARING OUT 2 INCHES X FULL WIDTH WITH 1/4 INCH REMAINING, PREVIOUS SECTION LOSS TO BEAM HAS BEEN PAINTED OVER



Bent 5 Cap 1: BENT 5 CAP, SPAN 5 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, UNDER BEAM 2, NEAR TOP EDGE, 41 INCHES X 16 INCHES WITH 1/8 INCH SEPARATION AND RUST STAINING



Span 5 Deck: SPAN 5, BOTTOM OF DECK IN BAY 1 HAS 1 SQ. FT. OF HAIRLINE MAP CRACKING, 6 FT. FROM BENT 5 CAP, FOR A TOTAL OF 1400 SQ. FT. THRU OUT SPAN



Span 5 Deck: SPAN 5, BOTTOM OF DECK IN BAY 1 HAS A HAIRLINE TRANSVERSE CRACK , 6 FT. LONG, WITH OR WITHOUT EFFLO., 14 FT. FROM BENT 5 CAP, FOR A TOTAL OF 200 SQ. FT. THRU OUT THE SPAN



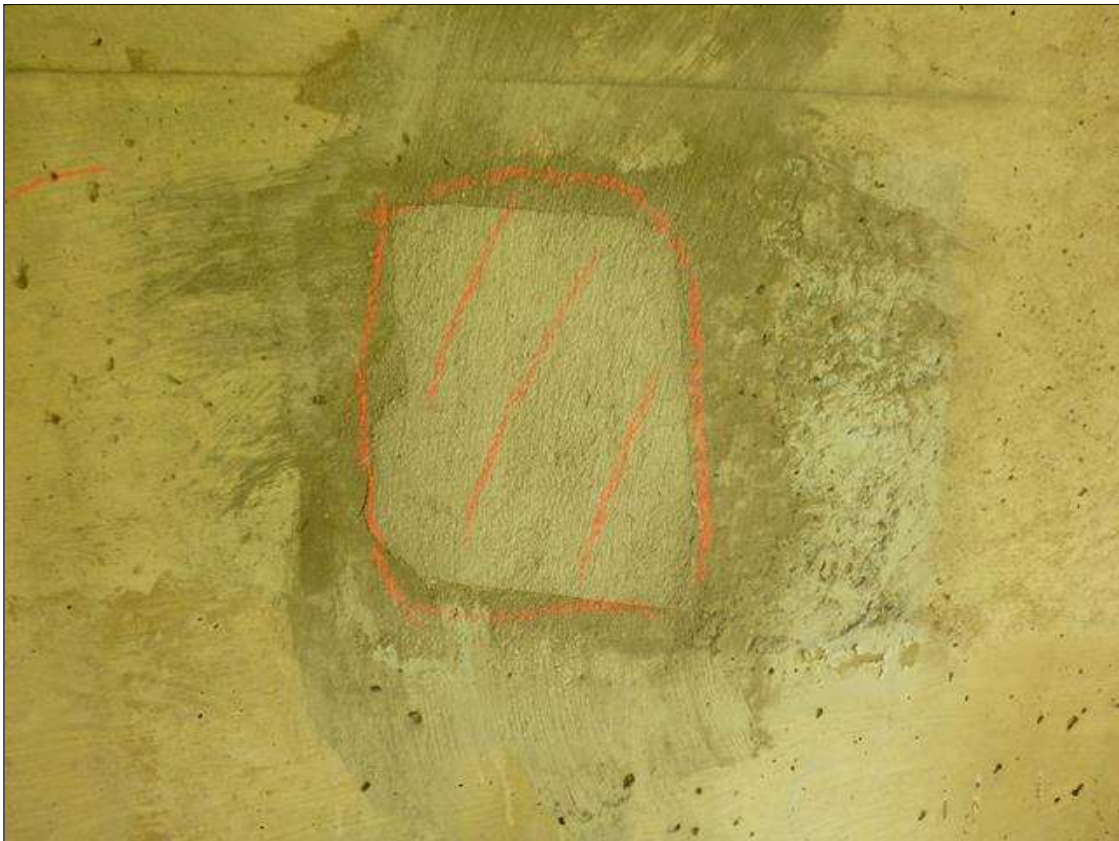
Span 5 Beam 4: SPAN 5, BEAM 4 AT BENT 4 HAS 1/16 INCH SECTION IN THE WEB FROM THE BEAM END OUT 10 INCHES X 10 INCHES HIGH WITH 9/16 INCH REMAINING, PAINTED OVER



Span 5 Beam 3: SPAN 5, BEAM 3 AT BENT 4 HAS 1/8 INCH SECTION LOSS ON THE BOTTOM FLANGE, STARTING 2 INCHES OUT FROM FACE OF BEARING X 2 INCHES LONG X FULL WIDTH WITH 1/2 INCH REMAINING, THE VERTICAL WEB STIFFNER ON THE RIGHT SIDE HAS A 1/2 INCH DIAMETER HOLE RUSTED THRU NEAR THE BOTTOM AT THE BEARING AREA, THE WEB HAS 1/16 INCH SECTION LOSS FROM THE END OF THE BEAM OUT 10 INCHES AND 4 INCHES UP FROM THE BOTTOM WITH 9/16 INCH REMAINING



Bent 4 Cap 1: BENT 4 CAP, SPAN 5 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, 6 FT. UNDER BEAM 3, 36 INCHES X 12 INCHES



Bent 4 Cap 1: BENT 4 CAP, SPAN 5 SIDE HAS AN AREA OF DELAMINATED PATCHED AREA IN THE FACE OF THE CAP, 6 FT. UNDER BEAM 2, 10 INCHES X 12 INCHES



Span 5 Beam 2: SPAN 5, BEAM 2 AT BENT 4 HAS 1/8 INCH SECTION LOSS ON THE BOTTOM FLANGE, STARTING 2 INCHES OUT AT FACE OF BEARING X 2 INCHES LONG X FULL WIDTH WITH 1/2 INCH REMAINING, THE VERTICAL WEB STIFFNER ON THE RIGHT SIDE IS CRACKED AND HAS A 1 INCH DIAMETER HOLE RUSTED THRU NEAR THE BOTTOM AT THE BEARING AREA, THE WEB HAS 1/16 INCH SECTION LOSS FROM THE END OF THE BEAM OUT 10 INCHES AND 4 INCHES UP FROM THE BOTTOM WITH 9/16 INCH REMAINING



Bent 4 Pile 1: BENT 4, PILE 1 HAS A DELAMINATED PATCHED AREA ON THE NORTHWEST CORNER, 24 INCHES X 60 INCHES, 9 FT. FROM THE BOTTOM OF THE CAP WITH 1/2 INCH SEPARATION



Bent 4 Pile 1: BENT 4, PILE 1 HAS A DELAMINATED PATCHED AREA ON THE SOUTHWEST CORNER, 16 INCHES X 24 INCHES, 8 FT. FROM THE BOTTOM OF THE CAP WITH 1/4 INCH SEPARATION



Span 2 Beam 4 Far Bearing: SPAN 2, BEAM 4 FAR BEARING HAS FRECKLED RUST



Bent 4 Cap 1: BENT 4 CAP, SPAN 4 SIDE HAS A HAIRLINE LONGITUDINAL CRACK IN THE FACE, UNDER GIRDER 4 NEAR TOP EDGE WITH RUST STAINS



Bent 4 Cap 1: BENT 4 CAP, SPAN 4 SIDE HAS A 1/16 INCH WIDE VERTICAL CRACK, 59 INCHES TALL, (FULL HEIGHT), BETWEEN GIRDERS 2 AND 3, FOR A TOTAL OF 10 VERTICAL CRACKS THRU OUT CAP



Span 2 Beam 3: SPAN 4, GIRDER 3 AT BENT 4 HAS 1/4 SECTION LOSS ON THE BOTTOM FLANGE, FROM THE END OF THE BEAM OUT 27 INCHES WITH 3/4 INCH REMAINING, PREVIOUS SECTION LOSS TO BEAM HAS BEEN PAINTED OVER



Span 2 Beam 2: SPAN 4, GIRDER 2 AT BENT 4 HAS 1/4 SECTION LOSS ON THE BOTTOM FLANGE, FROM THE END OF THE BEAM OUT 27 INCHES WITH 3/4 INCH REMAINING, PREVIOUS SECTION LOSS TO BEAM HAS BEEN PAINTED OVER



Span 4 Deck: SPAN 4, BAY 4, BOTTOM OF DECK HAS A PATCHED AREA THAT HAS FAILED, 30 FT. FROM BENT 4, 15 INCHES IN DIAMETER X 4 INCHES DEEP WITH REBAR EXPOSED



Span 4 Deck: SPAN 4, BAY 4, BOTTOM OF DECK, 40 FT. FROM BENT 4 HAS A UNSOUND PATCHED AREA WITH EXPOSED REBAR, 5 FT. X 3 FT.



Span 4 Deck: SPAN 4, BOTTOM OF THE DECK HAS 5 FT. WIDE TRANSVERSE PATCHED AREAS IN ALL BAYS AT MID-SPAN



Span 4 Deck: SPAN 4 BOTTOM OF DECK IN BAY 4 HAS A HAIRLINE TRANSVERSE CRACK WITH EFFLO, 25 FT. FROM BENT 4, FOR A TOTAL OF 2000 SQ. FT. THRU OUT THE BOTTOM OF THE SPAN



Span 4 Deck: SPAN 4, BAY 2, BOTTOM OF THE DECK HAS A 5 SQ. FT. AREA OF HAIRLINE MAP CRACKING WITH EFFLO. , FOR A TOTAL OF 1800 SQ. FT. THRU OUT THE BOTTOM OF THE SPAN WITH OR WITHOUT EFFLO.



Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 4, 53 INCHES X 24 INCHES WITH 1/8 INCH SEPARATION



Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 4, 4 FT. BELOW THE TOP OF THE CAP, 24 INCHES X 72 INCHES WITH 1 INCH DEEP ADJACENT SPALLING AND RUST STAINS



Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS A DELAMNATED PATCHED AREA IN BAY 3, STARTING 4.5 FT. DOWN FROM THE TOP OF THE CAP, 9 FT. LONG X 30 INCHES HIGH AND GOES ACROSS THE BOTTOM OF THE CAP 6 INCHES WITH 1/16 INCH WIDE CRACKING AND RUST STAINS



End Bent 2 Abutment/Backwall : END BENT 2 ABUTMENT, BAY 1 HAS 3 DIAGONAL HAIRLINE CRACKS WITH EFFLO, 3 FT. LONG, FOR A TOTAL OF 6 FT. OF CRACKING THRU OUT ABUTMENT



End Bent 2 Cap 1: END BENT 2 CAP HAS 50 FT. OF 1/4 INCH TO 3/8 INCH WIDE LONGITUDINAL CRACKING WITH RUST STAINS IN THE FACE OF THE CAP THRU OUT THE LENGTH OF THE CAP, PHOTO TAKEN IN BAY 8



Span 6 Deck: SPAN 6, BAY 2 BOTTOM OF DECK HAS A 1 SQ. FT. AREA OF HAIRLINE MAP CRACKING WITH EFFLO., 15 FT. FROM END BENT 2 FOR A TOTAL OF 600 SQ. FT. THRU OUT THE BOTTOM OF THE DECK WITH OR WITHOUT EFFLO.



Span 6 Beam 1 Far Bearing: SPAN 6, BEAM 1 FAR BEARING HAS FRECKLED RUST



Span 6 Deck: SPAN 6, BAY 4 BOTTOM OF THE DECK HAS A 1/32 INCH WIDE X 7 FT. LONG TRANSVERSE CRACK WITH EFFLO., 18 FT. FROM END BENT 2 FOR A TOTAL OF 300 SQ. FT. WITH OR WITHOUT EFFLO. THRU OUT SPAN



Span 6 Deck: SPAN 6, BAY 4, BOTTOM OF THE DECK HAS A 1/32 INCH WIDE LONGITUDINAL CRACK, 10 FT. LONG, STARTING 20 FT. FROM END BENT 2



Bent 5 Pile 1: BENT 5, PILE 1 HAS A PATCH ON THE NORTHEAST CORNER, 2 FT. WIDE X 8 FT. HIGH, STARTING 1 FT. BELOW THE BOTTOM OF THE CAP



Bent 4 Pile 1: BENT 4, PILE 1 HAS A PATCH ON THE NORTH EAST CORNER, 30 FT. LONG X 2 FT. WIDE, STARTING AT GROUNDLINE



Span 2 Beam 2: SPAN 2, BEAM 1 HAS 100 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM



Bent 3 Pile 1: BENT 3, PILE 1 HAS AN UNSOUND PATCHED AREA ON THE EAST FACE, STARTING AT THE BOTTOM OF THE CAP, 35 FT. LONG WITH UP TO 1 INCH SEPARATION



SPAN 4, BAY 3 AT BENT 3, SWAY BRACE CONNECTION TO BEAM 3, AT EAST SIDE OF BEARING BROKE LOOSE



Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, IN BAY 1 AT BOTTOM EDGE, 7 FT. LONG X 5 INCHES WIDE WITH 1/8 INCH SEPARATION



Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS A SPALL ON THE FACE OF THE CAP IN BAY 1, 4 FT. DOWN FROM THE TOP OF THE CAP, 10 INCHES IN DIAMETER X 1.5 INCHES DEEP



Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, UNDER BEAM 1, NEAR BOTTOM EDGE, 20 INCHES IN DIAMETER WITH 1/2 INCH DEEP SPALLING



Span 2 Beam 1 Intermediate Bearing: SPAN 2 BEAM 1 INTERMEDIATE BEARING AT BENT 3 HAS FRECKLED RUST



Span 4 Deck: SPAN 4, BOTTOM OF LEFT OVERHANG AT BENT 3 HAS A SPALL, 14 INCHES X 14 INCHES X 4 INCHES DEEP WITH EXPOSED REBAR



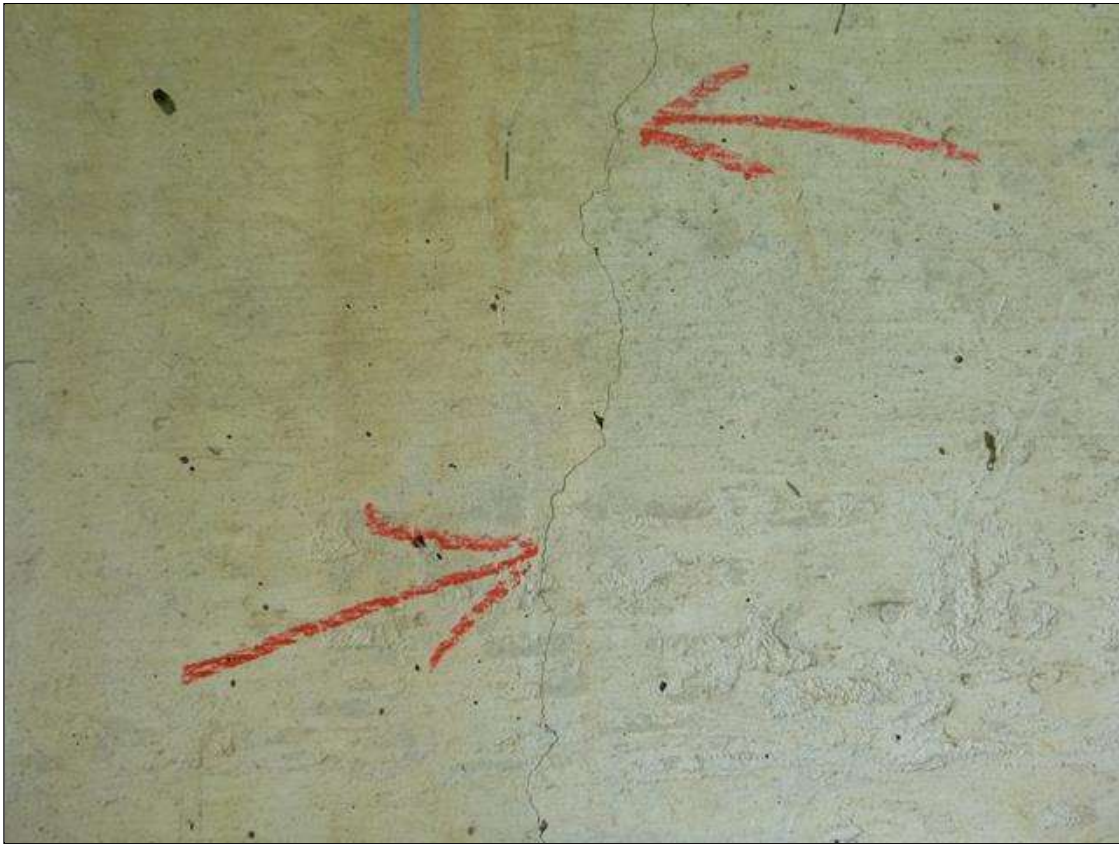
Bent 2 Cap 1: BENT 2 CAP, SPAN 3 SIDE HAS 30 FT. OF PATCHES IN THE FACE OF THE CAP THAT ARE SOUND



Bent 2 Cap 1: BENT 2 CAP, SPAN 3 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 3, 18 INCHES X 24 INCHES WITH 1/8 INCH SEPARATION



Bent 2 Cap 1: BENT 2 CAP, SPAN 3 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 3, 12 INCHES IN DIAMETER, 2 FT. BELOW THE TOP OF THE CAP



Bent 2 Cap 1: BENT 2 CAP, SPAN 3 SIDE HAS A HAIRLINE VERTICAL CRACK UNDER BEAM 2 IN THE FACE OF THE CAP, 4 FT. LONG



Span 2 Beam 1 Intermediate Bearing: SPAN 2 BEAM 1 INTERMEDIATE BEARING AT BENT 2 HAS FRECKLED RUST



Bent 2 Cap 1: BENT 2 CAP, SPAN 2 SIDE HAS 20 FT. OF SOUND PATCHES IN THE FACE OF THE CAP



Span 2 Deck: SPAN 2, BOTTOM OF DECK, BAY 2 HAS A 1. SQ. FT. AREA OF HAIRLINE MAP CRACKING WITH EFFLO, 20 FT. FROM BENT 2, FOR A TOTAL OF 3000 SQ. FT. WITH OR WITHOUT EFFLO. THRU OUT THE BOTTOM OF THE SPAN



Span 2 Deck: SPAN 2, BOTTOM OF DECK, BAY 4 HAS A HAIRLINE TRANSVERSE CRACK WITH EFFLO. 25 FT. FROM BENT 2, 5 FT. LONG FOR A TOTAL OF 400 SQ. FT. WITH OR WITHOUT EFFLO. THRU OUT THE BOTTOM OF THE SPAN



Bent 1 Cap 1: BENT 1 CAP, SPAN 2 SIDE HAS 2 PATCHES IN THE FACE NEAR THE BOTTOM EDGE, 6 FT. LONG



Bent 1 Cap 1: BENT 1 CAP, SPAN 2 SIDE HAS A 1/16 INCH WIDE VERTICAL CRACK IN THE FACE OF THE STEPUP, 59 INCHES TALL, (FULL HEIGHT), BETWEEN GIRDERS 4 AND 5, FOR A TOTAL OF 5 VERTICAL CRACKS THRU OUT CAP



Bent 1 Cap 1: BENT 1 CAP, SPAN 2 SIDE HAS A SPALL IN THE FACE OF THE CAP UNDER BEAM 3, 7 INCHES IN DIAMETER X 3/4 INCH DEEP WITH REBAR EXPOSED



Bent 1 Cap 1: BENT 1 CAP, SPAN 2 SIDE HAS A 1/16 INCH WIDE LONGITUDINAL CRACK, X 3 FT. LONG IN THE FACE OF THE CAP IN BAY 1, NEAR TOP EDGE WITH RUST STAINS



Span 2 Beam 1 Near Bearing: SPAN 2, BEAM 1 NEAR BEARING HAS FRECKLED RUST



Span 1 Beam 3: SPAN 1, BEAM 3 AT BENT 1 HAS 3/16 INCH SECTION LOSS FROM PREVIOUS RUST, ON THE BOTTOM LEFT FLANGE, STARTING AT THE FACE OF THE BEARING, 3 INCHES LONG X 3 INCHES WIDE WITH 7/16 INCH REMAINING, ALL BEAMS AND BEARINGS HAVE BEEN CLEANED AND PAINTED IN ALL SPANS



End Bent 1 Cap 1: END BENT 1, FACE OF CAP HAS A SPALL IN BAY 1, 8 INCHES IN DIAMETER X 1 INCH DEEP



End Bent 1 Cap 1: END BENT 1, FACE OF CAP HAS 3 FT. HAIRLINE TO 1/4 INCH WIDE LONGITUDINAL CRACKING IN BAY 1 WITH RUST STAINING FOR A TOTAL OF 20 FT. THRU OUT LENGTH OF CAP



End Bent 1 Cap 1: END BENT 1, FACE OF CAP HAS A SPALL IN BAY 2, 6 FT. LONG X 11 INCHES WIDE X 3 INCHES DEEP WITH EXPOSED REBAR



End Bent 1 Cap 1: END BENT 1 FACE OF CAP HAS A SPALL IN BAY 3, 36 INCHES X 9 INCHES X 3 INCHES DEEP



Span 1 Deck: SPAN 1, BAY 3 BOTTOM OF THE DECK HAS AN AREA OF DELAMINATION, 5 FT. FROM END BENT 1, 18 INCHES X 36 INCHES, WITH ADJACENT 1/2 INCH DEEP SPALLING



Span 1 Deck: SPAN 1, BAY 4 BOTTOM OF THE DECK HAS A HAIRLINE 7 FT. LONG TRANSVERSE CRACK WITH EFFLO. 14 FT. FROM END BENT 1, FOR A TOTAL OF 95 SQ. FT. WITH OR WITHOUT EFFLO. THRU OUT BOTTOM OF SPAN



End Bent 1 Cap 1: END BENT 1 TOP AND FACE OF CAP HAS AN AREA OF DELAMINATION IN BAY 7 NEAR BEAM 7, 4 FT. LONG X 9 INCHES ACROSS THE TOP X 7 INCHES DOWN THE FACE WITH 1/2 INCH SEPARATION



End Bent 1 Abutment/Backwall : END BENT 1 ABUTMENT HAS A 1/16 INCH WIDE X 3 FT. LONG DIAGONAL CRACK IN BAY 7



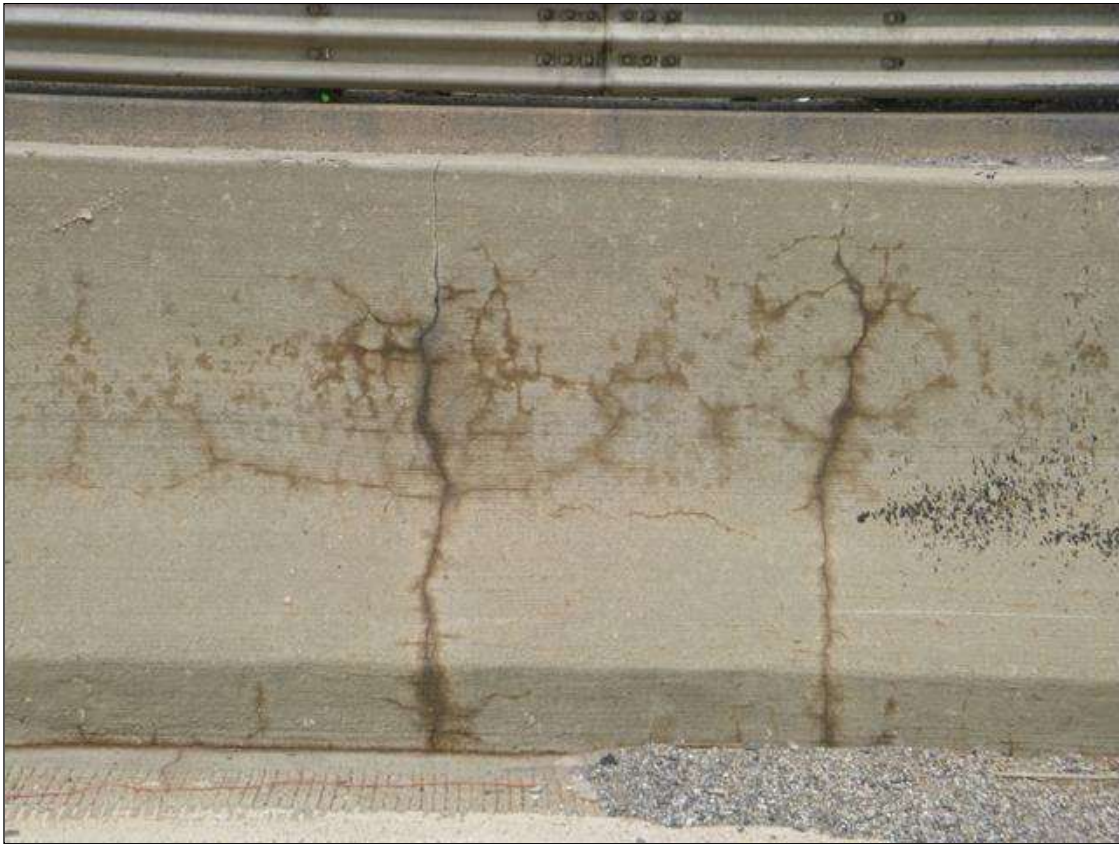
Span 1 Beam 8 Near Bearing: SPAN 1, BEAM 8 NEAR BEARING HAS FRECKLED RUST



Bent 2 Pile 1: BENT 2, PILE 1 HAS BEEN PATCHED ON THE NORTHWEST AND SOUTHWEST CORNERS, PATCHES ARE SOUND



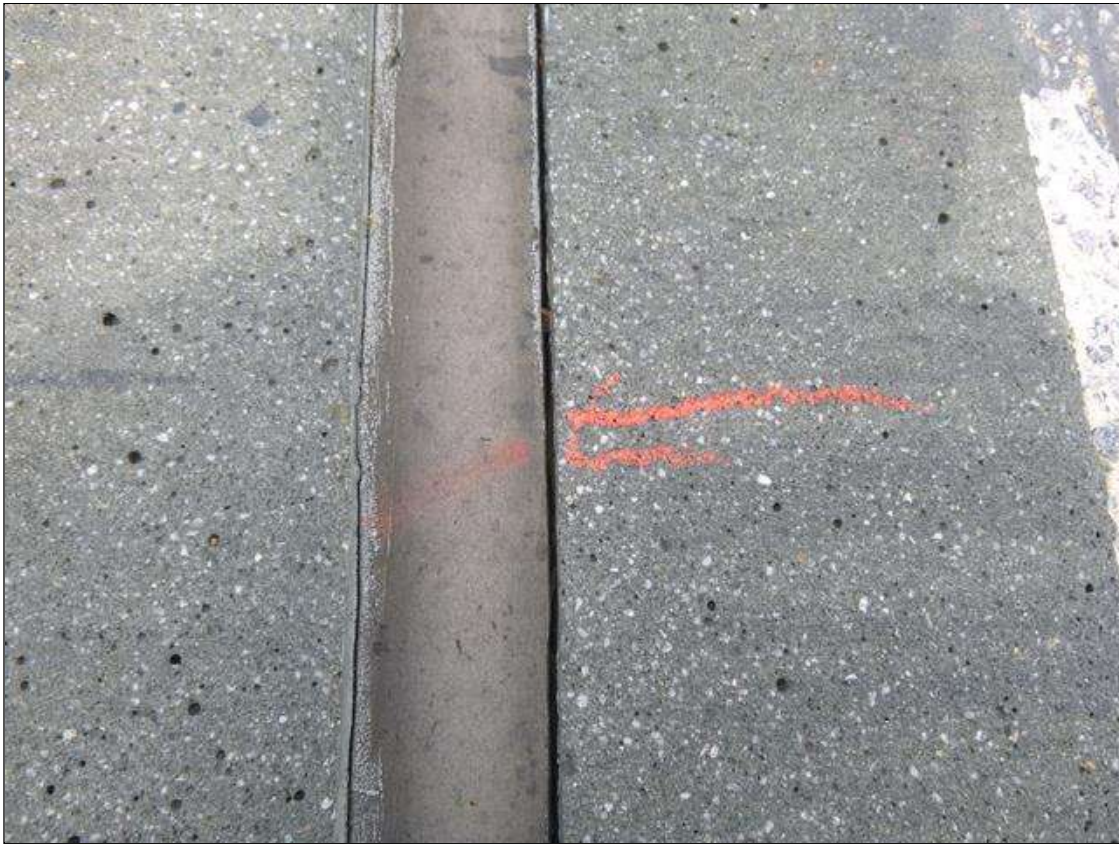
Span 1 Deck: SPAN 1, TOP OF THE DECK HAS A 1/16 INCH WIDE DIAGONAL CRACK, 6 FT. LONG AT END BENT 1 FOR A TOTAL OF 125 SQ. FT. THRU OUT THE TOP OF THE WEST BOUND LANES



Span 1 Median Rail: SPAN 1 MEDIAN RAIL HAS 50 FT. OF HAIRLINE TO 1/16 INCH WIDE CRACKING THRU OUT THE SPAN



Span 1 Deck: SPAN 1, TOP OF DECK HAS A 1/16 INCH WIDE TRANSVERSE CRACK X 12 FT. LONG AT MID-SPAN, OF THE WEST BOUND LANES FOR A TOTAL OF 185 SQ. FT. THRU OUT THE EAST AND WEST BOUND LANES



Expansion Joint : BENT 1 JOINT HAS 24 FT. OF LOSS OF ADHESION, 1/8 INCH WIDE X 1 INCH DEEP IN THE WEST BOUND LANES



Span 2 Deck: SPAN 2, TOP OF THE DECK HAS 225 SQ. FT. OF 1/16 INCH WIDE TRANSVERSE CRACKING THRU OUT THE TOP OF THE WEST AND EAST BOUND LANES



Span 2 Deck: SPAN 2, TOP OF THE DECK HAS 16 INCH X 44 INCH PATCH, 4 FT. FROM THE LEFT RAIL, 54 FROM BENT 1



Span 3 Deck: SPAN 3, TOP OF THE DECK HAS A PATCH, 24 INCHES X 24 INCHES, AT CENTERLINE OF ROADWAY NEAR BENT 2



Span 3 Left Bridge Rail: SPAN 3, LEFT BRIDGE RAIL HAS 30 FT. OF 2 INCH WIDE TEARS THRU OUT THE SPAN



Span 3 Deck: SPAN 3, TOP OF THE DECK HAS 375 SQ. FT. OF 1/16 INCH WIDE TRANSVERSE CRACKING THRU OUT THE TOP OF THE WEST AND EAST BOUND LANES



Span 3 Deck: SPAN 3, TOP OF THE DECK HAS A PATCH, 12 INCHES X 48 INCHES, 5 FT. FROM THE LEFT RAIL, 20 FT. FROM BENT 3, FOR A TOTAL OF 120 SQ. FT. OF PATCHES THRU OUT THE TOP OF SPAN 2 WEST BOUND LANES



Span 4 Deck: SPAN 4, TOP OF DECK HAS 320 SQ. FT. OF 1/16 INCH WIDE TRANSVERSE CRACKING THRU OUT THE TOP OF SPAN 4 WEST AND EAST BOUND LANES



Span 4 Deck: SPAN 4, TOP OF THE DECK HAS A PATCH, 24 INCHES X 12 INCHES, 12 FT. FROM THE LEFT RAIL, AT MID-SPAN, FOR A TOTAL OF 225 SQ. FT. THRU OUT THE TOP OF THE WEST BOUND LANES



Span 4 Deck: SPAN 4 TOP OF THE DECK HAS 1 SQ. FT. AREA OF 1/16 INCH WIDE MAP CRACKING AT CENTERLINE OF ROADWAY AT MID-SPAN FOR A TOTAL OF 220 SQ. FT. OF CRACKING THRU OUT THE TOP OF THE WEST AND EAST BOUND LANES



Span 5 Deck: SPAN 5 TOP OF THE DECK HAS A 1/16 INCH WIDE DIAGONAL CRACK, 10 FT. LONG, STARTING AT BENT 4, FOR A TOTAL OF 100 FT. OF CRACKING THRU OUT THE WEST AND EAST BOUND LANES



Span 5 Deck: SPAN 5, TOP OF THE DECK HAS HAS 200 SQ. FT. OF 1/16 INCH WIDE TRANSVERSE CRACKS THRU OUT THE WEST AND EAST BOUND LANES



Span 6 Left Bridge Rail: SPAN 6, LEFT BRIDGE RAIL HAS 12 FT. 0F 2 INCH WIDE TEARS THRU OUT THE SPAN



Span 6 Deck: SPAN 6 TOP OF THE DECK HAS 125 SQ. FT. OF 1/16 INCH WIDE TRANSVERSE CRACKING THRU OUT THE WEST AND EAST BOUND LANES



Span 6 Deck: SPAN 6, TOP OF THE DECK HAS 1/16 INCH WIDE X 12 FT. LONG DIAGONAL CRACK AT END BENT 2, FOR A TOTAL OF 150 SQ. FT. THRU OUT THE WEST AND EAST BOUND LANES



Expansion Joint : END BENT 2 JOINT HAS 1/16 INCH WIDE LOSS OF ADHESION ON BOTH SIDE OF THE JOINT X 1 INCH DEEP X 24 FT. LONG IN THE WEST BOUND LANES



END BENT 2 ASPHALT WEARING SURFACE APPROACH HAS A 8 INCH X 5 INCH X 2` INCH DEEP VOID AT CENTERLINE OF ROADWAY AT END BENT 2 JOINT, WEST BOUND LANES



Span 1 Beam 8 Far Bearing: SPAN 1, BEAM 8, FAR BEARING HAS FRECKLED RUST



Bent 2 Cap 1: BENT 2 CAP, SPAN 3 SIDE HAS A 1/32 INCH WIDE LONGITUDINAL CRACK IN THE FACE OF THE CAP, NEAR TOP EDGE, UNDER BEAM 5, 6 FT. LONG



Bent 2 Cap 1: BENT 2 CAP HAS 40 FT. OF SOUND PATCHES THRU OUT THE LENGTH OF THE CAP, PHOTO TAKEN AT SPAN 3 SIDE AT BEAMS 7 AND 8



Bent 2 Pile 2: BENT 2, PILE 2 HAS SEVERAL PATCHES IN GOOD CONDITION, PHOTO TAKEN ON THE EAST FACE



Bent 3 Pile 2: BENT 3, PILE 2 HAS AN AREA OF DELAMINATION ON THE SOUTHWEST CORNER, 20 FT. HIGH X 20 INCHES WIDE WITH UP TO 3/4 INCH WIDE SEPARATION, STARTING 6 FT. BELOW THE BOTTOM OF THE CAP



Bent 3 Pile 2: BENT 3, PILE 2 HAS AN AREA OF DELAMINATION ON THE WEST FACE, 20 FT. BELOW THE BOTTOM OF THE CAP, 24 INCHES IN DIAMETER WITH 1/2 INCH SEPARATION



Bent 3 Pile 1: BENT 3, PILE 1 HAS SEVERAL PATCHED AREAS THE ARE SOUND, PHOTO TAKEN, ON THE SOUTH FACE AT MID-HEIGHT



Bent 3 Cap 1: BENT 3 CAP HAS 31 FT. OF SOUND PATCHES AREAS THRU OUT THE LENGTH OF THE CAP, PHOTO TAKEN AT SPAN 3 SIDE AT BEAM 7



Bent 3 Cap 1: BENT 3 CAP, SPAN 3 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, RIGHT SIDE UNDER BEAM 8, 16 INCHES X 32 INCHES WITH 1/16 INCH SEPARATION



Span 3 Deck: SPAN 3, BAY 7, BOTTOM OF THE DECK HAS A 6 FT. LONG HAIRLINE TRANSVERSE CRACK, 20 FT. FROM BENT 3, FOR A TOTAL OF 2100 SQ. FT. THRU OUT THE BOTTOM OF THE SPAN



Span 3 Deck: SPAN 3, BOTTOM OF BAY 7 DECK HAS 1 SQ. FT. OF 1/32 INCH WIDE MAP CRACKING, 15 FT. FROM BENT 3 FOR A TOTAL OF 2500 SQ. FT. THRU OUT THE BOTTOM OF THE SPAN



Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP AT BEAM 6, 16 INCHES IN DIAMETER, WITH RUST STAINS



Bent 4 Pile 2: BENT 4, PILE 2 HAS SEVERAL PATCHED AREAS ON THE WEST FACE THAT ARE SOUND



Span 2 Beam 6 Far Bearing: SPAN 2, BEAM 6 FAR BEARING HAS FRECKLED RUST



Bent 4 Cap 1: BENT 4 CAP HAS 44 FT. OF SOUND PATCHES THRU OUT THE LENGTH OF THE CAP, PHOTO TAKEN ON SPAN 4 SIDE



Bent 4 Cap 1: BENT 4 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP UNDER BEAM 6, 36 INCHES X 33 INCHES



Span 2 Beam 8: SPAN 2, BEAM 8 AT BENT 4 HAS 3/16 INCH SECTION LOSS ON THE BOTTOM OF THE BOTTOM RIGHT FLANGE X 4 INCHES WIDE FROM THE FACE OF BEARING OUT 2 FT. WITH 7/16 INCH REMAINING, PREVIOUS SECTION LOSS HAS BEEN PAINTED OVER



Span 5 Deck: SPAN 5, BOTTOM OF RIGHT OVERHANG AT BENT 4 HAS A SPALL, 12 INCHES X 15 INCHES X 1.5 INCHES DEEP WITH EXPOSED REBAR



Span 5 Beam 5 Near Bearing: SPAN 5, BEAM 5 NEAR BEARING HAS FRECKLED RUST



Span 5 Beam 1: SPAN 5, BEAM 1 HAS 20 FT. OF FRECKLED RUST ON THE EDGES OF THE FLANGES THRU OUT THE LENGTH OF THE BEAM



Bent 5 Cap 1: BENT 5 CAP HAS 45 FT. OF SOUND PATCHES THRU OUT THE LENGTH OF THE CAP, PHOTO TAKEN ON SPAN 5 SIDE



Bent 5 Cap 1: BENT 5 CAP, SPAN 5 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP UNDER BEAM 5, 42 INCHES X 26 INCHES



Span 5 Beam 5: SPAN 5, BEAM 5 AT BENT 5 HAS 5/16 INCH SECTION LOSS ON THE BOTTOM RIGHT FLANGE, 3 INCHES WIDE X 3 INCHES OUT FROM THE FACE OF BEARING WITH 5/16 INCH REMAINING, THE LOWER WEB HAS 1/8 INCH SECTION LOSS FROM THE END OF THE BEAM OUT 15 INCHES X 3 INCHES HIGH WITH 1/2 INCH REMAINING



Span 5 Deck: SPAN 5 BOTTOM OF RIGHT OVERHANG, 8 FT. FROM BENT 5 HAS A 12 INCH DIAMETER SPALL X 1 INCH DEEP WITH REBAR EXPOSED



Span 5 Deck: SPAN 5 BOTTOM OF RIGHT OVERHANG, AT BENT 5 HAS A 12 INCH X 22 INCH SPALL X 1 INCH DEEP WITH REBAR EXPOSED



Bent 5 Cap 1: BENT 5 CAP, SPAN 6 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 5
NEAR BEAM 6, 12 INCHES IN DIAMETER



Span 6 Beam 7: SPAN 6, BEAM 7 AT BENT 5 HAS 1/8 INCH SECTION LOSS ON THE BOTTOM LEFT FLANGE X 3 INCHES WIDE, 2 INCHES OUT FROM THE FACE OF BEARING, WITH 1/2 INCH REMAINING, PREVIOUS SECTION LOSS HAS BEEN PAINTED OVER



Bent 5 Pile 4: BENT 5, PILE 4 HAS AN AREA OF DELAMINATION ON THE NORTHEAST CORNER, 1 FT. BELOW THE BOTTOM OF THE CAP, 9 INCHES WIDE X 24 INCHES HIGH



Bent 5 Pile 4: BENT 5, PILE 4 HAS A SPALL ON THE NORTH EAST CORNER, STARTING 4 FT. ABOVE GROUND LINE, 7 INCHES WIDE X 16 INCHES HIGH X 3 INCHES DEEP



Span 2 Right Bridge Rail: SPAN 2, RIGHT RAIL HAS 25 FT. OF DAMAGE, STARTING 12 FT. FROM BENT 1



Span 2 Right Bridge Rail: SPAN 2, RIGHT RAIL HAS 20 FT. OF 2 INCH WIDE TEARS THRU OUT THE LENGTH OF THE RAIL



Span 3 Right Bridge Rail: SPAN 3 RIGHT RAIL HAS 25 FT. OF 2 INCH WIDE TEARS THRU OUT THE LENGTH OF THE RAIL



Span 5 Deck: SPAN 5 TOP OF THE DECK HAS A PATCH, 3 FT. X 6 FT. 5 FT. FROM THE RIGHT CURB AND 10 FROM BENT 5



SPAN 4, RIGHT METAL RAIL CONNECTION TO CONCRETE CRACKED AND SPALLED, 42 FT. FROM BENT 3



Span 1 Deck: SPAN 1, BAY 2, BOTTOM OF DECK, NEAR END BENT 1 HAS 1 SQ. FT. OF 1/32 INCH WIDE MAP CRACKING, FOR A TOTAL OF 1200 SQ. FT. THRU OUT THE BOTTOM OF THE DECK



SPAN 6, BEAM 4 NEAR BEARING



BENT 5, LEFT SIDE SUPERSTRUCTURE



BENT 4, SPAN 5 SIDE



END BENT 2, RIGHT HALF



END BENT 2, LEFT HALF



SPAN 6 SUPERSTRUCTURE LOOKING EAST



BENT 5, SPAN 5 SIDE



SPAN 5 SUPERSTRUCTURE LOOKING EAST



SPAN 5, BENT 4, BAY 3 BENT DIAPHRAGM



BENT 4, LEFT SIDE SUPERSTRUCTURE



BENT 3, SPAN 4 SIDE



SPAN 4 SUPERSTRUCTURE LOOKING WEST



SPAN 4, GIRDER 2 ROCKER BEARING AT BENT 4 LEANING 1 INCH TO THE EAST



SPAN 4, GIRDER 5 ROCKER BEARING AT BENT 4



SPAN 4, BENT 4, BAY 4 LATERAL BRACING



SPAN 4, GIRDER 2 HAS STEEL PLATE BEAM REPAIR TO BOTTOM FLANGE AND WEB, STARTING 29 INCHES FROM THE END OF THE BEAM AT BENT 4, 10 FT. LONG, GIRDER 3 REPAIR STARTS 27 INCHES FROM THE END OF THE GIRDER, GIRDER 1 STARTS REPAIR 7 FT. 3 INCHES FROM END OF GIRDER



SPAN 4, GIRDER 1 HAS A REPAIR TO THE LOWER PORTION OF THE WEB, STARTING 27 INCHES FROM THE END OF THE GIRDER AT BENT 4, 32 FT.- 2 INCHES LONG



SPAN 4, GIRDER 1, WEB AND BOTTOM FLANGE REPAIR



LEFT SIDE OF BRIDGE AT SPANS 1,2 AND 3



APPROACH GUARDRAIL END AT THE NORTHEAST CORNER



APPROACH GUARDRAIL POST SPACING, 75 INCHES AT THE NORTHEAST CORNER



EAST APPROACH LOOKING WEST



LEFT SIDE OF BRIDGE LOOKING WEST



END BENT 2, LEFT WINGWALL



END BENT 2, RIGHT WINGWALL



RIGHT SIDE OF BRIDGE LOOKING WEST



SPAN 6, BEAM 2 FAR BEARING



SPAN 2, BEAM 2, INTERMEDIATE BEARING AT BENT 3



BENT 3, LEFT SIDE SUPERSTRUCTURE



BENT 2, SPAN 3 SIDE



LOOKING UPSTREAM FROM SPAN 3



LOOKING DOWNSTREAM FROM SPAN 3



SPAN 2 SUPERSTRUCTURE AT THE EAST SIDE OF BENT 2



SPAN 2, BEAM SPLICE AT BEAM 4, WEST OF BENT 3



SPAN 2, BEAM 4, BOTTOM FLANGE AND WEB REPAIR, 50 FT. EAST OF BENT 2, SAME AT BEAMS 1,2 AND 5



LOOKING SOUTH FROM SPAN 3



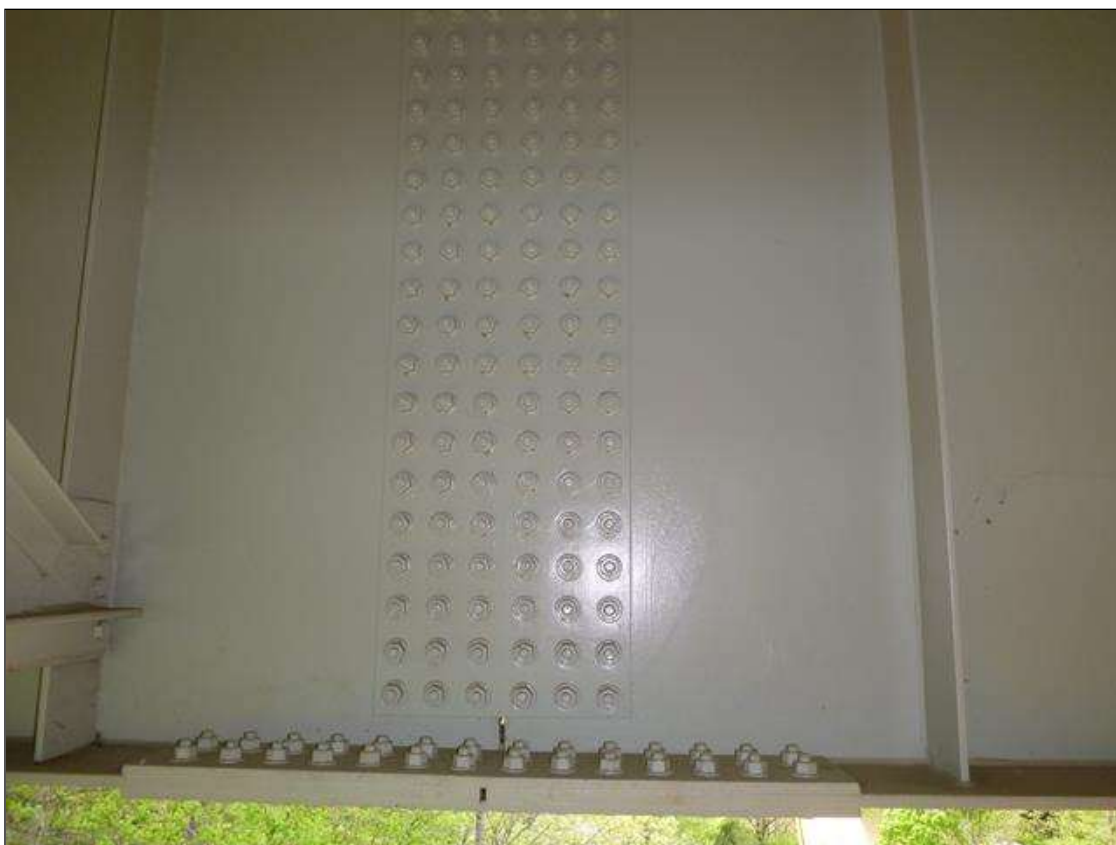
LOOKING NORTH FROM SPAN 3



BENT 2, BEAM 3, INTERMEDIATE BEARING



BENT 3, LEFT SIDE SUPERSTRUCTURE



SPAN 2, BEAM 2 BEAM SPLICE, 25 FT. FROM BENT 2



SPAN 2, BEAM 1 HAS A BOTTOM FLANGE AND WEB REPAIR NEAR MID-SPAN



SPAN 2, BEAM 2, BOTTOM FLANGE AND WEB REPAIR, NEAR MID-SPAN



BENT 1, SPAN 2 SIDE



SPAN 2, BEAM 5 NEAR ROCKER BEARING



SPAN 2, BEAM 5 NEAR ROCKER BEARING MOVEMENT TO THE WEST



BENT 1, LEFT SIDE SUPERSTRUCTURE



END BENT 1, LEFT HALF



END BENT 1, RIGHT HALF



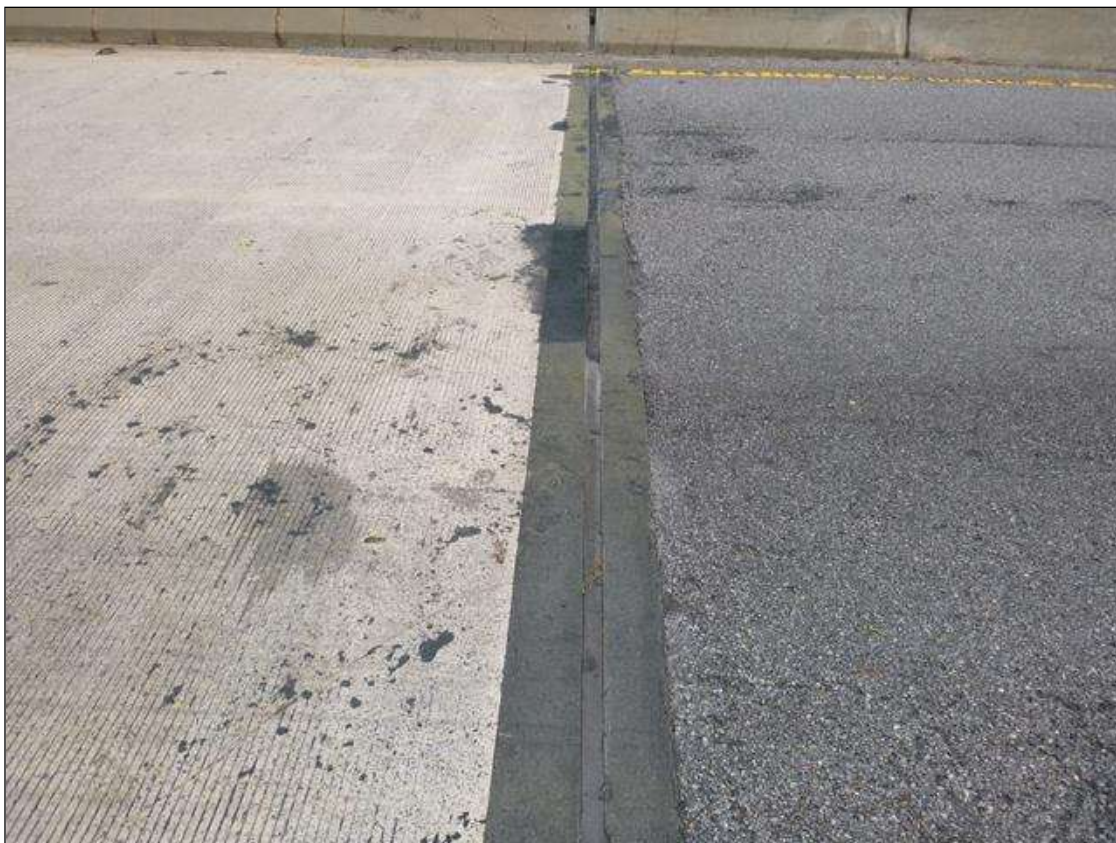
SPAN 1 SUPERSTRUCTURE LOOKING WEST



SPAN 1, BEAM 4 FAR BEARING



SPAN 1, LEFT BRIDGE RAIL



END BENT 1 JOINT, GOOD CONDITION, WEST BOUND LANES



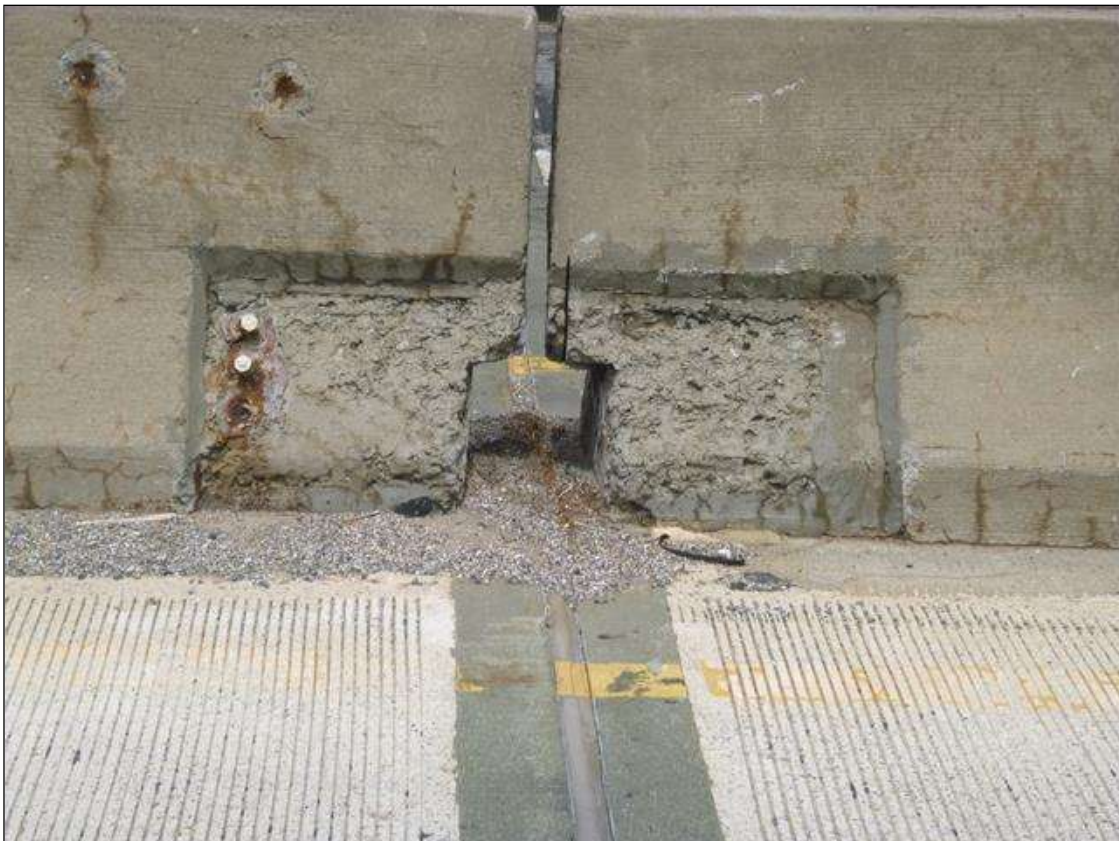
END BENT 1 ASPHALT WEARING SURFACE APPROACH GOOD CONDITION



END BENT 1 APPROACH GUARDRAIL TRANSITION, LEFT SIDE



WEST APPROACH LOOKING EAST, WEST BOUND LANE.



BENT 1 AT MEDIAN RAIL, OLD JOINT PLATE REMOVED, SAME AT BENT 4



BENT 4 JOINT WEST BOUND LANES



END BENT 1, LEFT WINGWALL



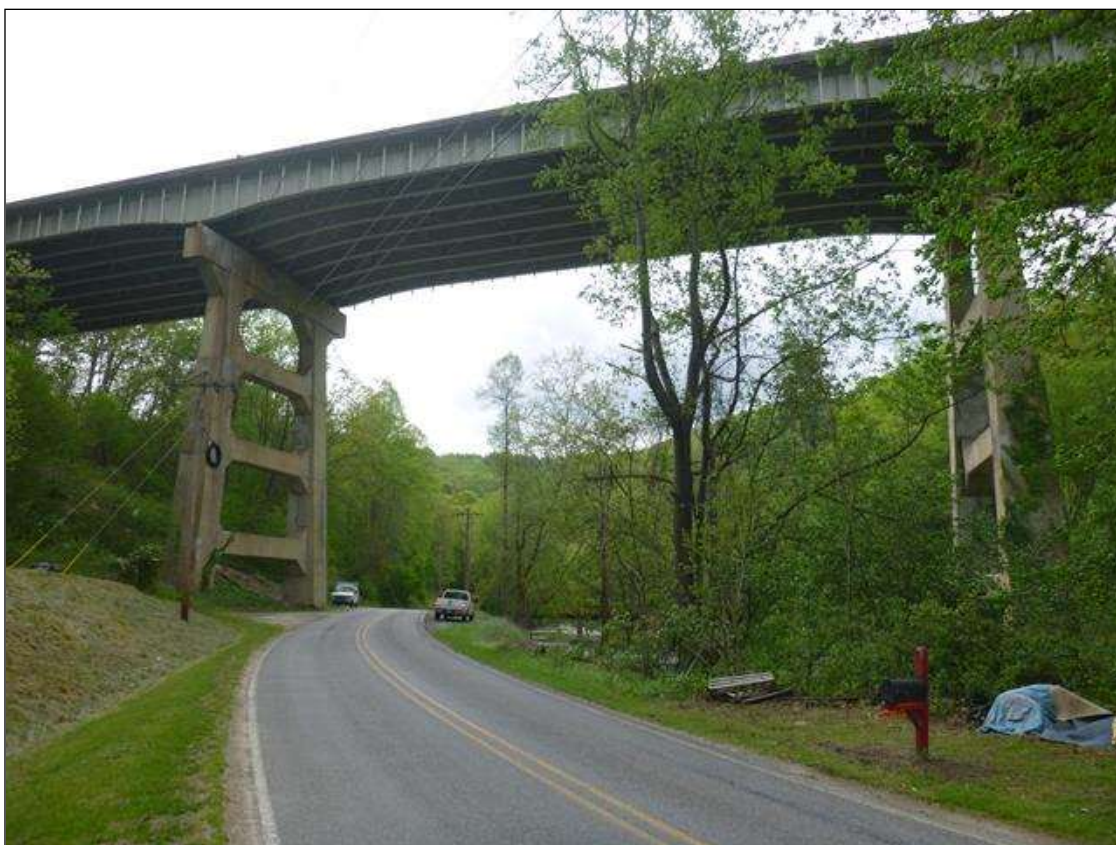
SPAN 1, BEAM 7 NEAR BEARING



END BENT 1, RIGHT WINGWALL



LEFT SIDE OF SPAN 3, LOOKING SOUTH



RIGHT SIDE OF SPAN 3, LOOKING NORTH



BENT 1 JOINT, WEST BOUND LANES



BENT 5 JOINT WEST BOUND LANES



END BENT 2 JOINT WEST BOUND LANES



APPROACH GUARDRAIL TRANSITION AT THE LEFT SIDE OF END BENT 2



END BENT 2 ASPHALT WEARING SURFACE APPROACH



SPAN 6, LEFT SIDE OF THE MEDIAN RAIL



WEST APPROACH LOOKING EAST, EAST BOUND LANES



EAST APPROACH LOOKING WEST, EAST BOUND LANES



END BENT 2, RIGHT SIDE BRIDGE RAIL END



RIGHT SIDE OF END BENT 2



SPAN 6, RIGHT BRIDGE RAIL



APPROACH GUARDRAIL END AT THE SOUTHEAST CORNER



APPROACH GUARDRAIL POST SPACING, 75 INCHES AT THE SOUTHEAST CORNER



END BENT 1 ASPHALT WEARING SURFACE APPROACH, GOOD CONDITION



END BENT 1 JOINT, EAST BOUND LANE



APPROACH GUARDRAIL END AT THE SOUTHWEST CORNER



RIGHT SIDE OF BRIDGE LOOKING EAST



APPROACH GUARDRAIL TRANSITION AT THE RIGHT SIDE OF END BENT 1



SPAN 1, BEAM 7 FAR BEARING



RIGHT SIDE OF BRIDGE LOOKING EAST, SPANS 4,5 AND 6



BENT 4, RIGHT END SUPERSTRUCTURE



SPAN 5 BEAM 4, NEAR BEARING



SPAN 1, BEAM 3 NEAR BEARING



BENT 1, SPAN 1 SIDE



BENT 1 JOINT, EAST BOUND LANES



LOOKING UPSTREAM FROM TOP OF BRIDGE



BENT 2 TOP OF DECK, EAST BOUND LANES



BENT 3 TOP OF THE DECK, EAST BOUND LANES



BENT 4 JOINT, EAST BOUND LANES



BENT 5 JOINT, EAST BOUND LANES



END BENT 2 JOINT, EAST BOUND LANES



END BENT 2 ASPHALT WEARING SURFACE APPROACH, GOOD CONDITION

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

Run Date: 10/27/2017

IDENTIFICATION							
(1) STATE NAME -NORTH CAROLINA	BRIDGE	430171		SUFFICIENCY RATING =		64.98	
(8) STRUCTURE NUMBER(FEDERAL)		00000000870171		STATUS =	Not Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		11000400					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2					
(3) COUNTY CODE	87	(4) PLACE CODE	0				
(6) FEATURE INTERSECTED -	SR1338, JONATHAN CREEK						
(7) FACILITY CARRIED	I-40						
(9) LOCATION	1 MI.W.JCT.US276						
(11)MILEPOINT		19.2					
(16)LAT	35° 37' 8.07"	(17)LONG	83° 0' 34.60"				
(98)BORDER BRIDGE STATE CODE		PCT SHARE					
(99)BORDER BRIDGE STRUCTURE NO							
STRUCTURE TYPE AND MATERIAL							
(43) STRUCTURE TYPE MAIN:	Steel Continuous						
TYPE -	Stringer Multibeam or Girder	CODE	402				
(44) STRUCTURE TYPE APPR :	Steel						
TYPE -	Stringer Multibeam or Girder	CODE	302				
(45) NUMBER OF SPANS IN MAIN UNIT			3				
(46) NUMBER OF APPROACH SPANS			3				
(107)DECK STRUCTURE TYPE -	1	CODE					
(108)WEARING SURFACE / PROTECTIVE SYSTEM :							
(A) TYPE OF WEARING SURFACE -		CODE					
(B) TYPE OF MEMBRANE	-	CODE					
(C) TYPE OF DECK PROTECTION -		CODE					
AGE AND SERVICE							
(27) YEAR BUILT			1966				
(106)YEAR RECONSTRUCTED			2012				
(42) TYPE OF SERVICE : ON -	Highway						
UNDER -	Highway - Waterway	CODE	16				
(28) LANES: ON STRUCTURE	4	UNDER STRUCTURE	2				
(29) AVERAGE DAILY TRAFFIC			22000				
(30) YEAR OF ADT	2015	(109) TRUCK ADT PCT	23%				
(19) BYPASS OR DETOUR LENGTH			25 MI				
GEOMETRIC DATA							
(48) LENGTH OF MAXIMUM SPAN			160 FT				
(49) STRUCTURE LENGTH			610 FT				
(50)CURB OR SIDEWALK: LEFT	1.125 FT	RIGHT	1.125 FT				
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			56 FT				
(52) DECK WIDTH OUT TO OUT			63.333 FT				
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			72 FT				
(33) BRIDGE MEDIAN -	No Median	CODE	3				
(34) SKEW	0°	(35) STRUCTURE FLARED	0				
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT				
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			28 FT				
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9 FT				
(54) MIN VERT UNDERCLEAR REF	Highway		90 FT				
(55) MIN LAT UNDERCLEAR RT REF	Highway		6 FT				
(56) MIN LAT UNDERCLEAR LT REF -			0 FT				
NAVIGATION DATA							
(38) NAVIGATION CONTROL -	No Navigational Control	CODE	0				
(111)PIER PROTECTION -		CODE					
(39) NAVIGATION VERTICAL CLEARANCE			0				
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			FT				
(40) NAVIGATION HORIZONTAL CLEARANCE			0 FT				
				CLASSIFICATION			
				(112)NBIS BRIDGE SYSTEM -		YES	
				(104)HIGHWAY SYSTEM	Is on the NHS	1	
				(26) FUNCTIONAL CLASS -	Arterial - Interstate	01	
				(100)STRAHNET HIGHWAY -	Interstate STRAHNET Route	1	
				(101)PARALLEL STRUCTURE -	No Parallel Structure	N	
				(102)DIRECTION OF TRAFFIC -	2-way Traffic	2	
				(103)TEMPORARY STRUCTURE -			
				(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	
				CONDITION			
				(58) DECK		5	
				(59) SUPERSTRUCTURE		6	
				(60) SUBSTRUCTURE		6	
				(61) CHANNEL & CHANNEL PROTECTION		8	
				(62) CULVERTS		N	
				LOAD RATING AND POSTING			
				(31) DESIGN LOAD	HS 20 + MOD	6	
				(63) OPERATING RATING METHOD -	Load Factor	1	
				(64) OPERATING RATING -	HS-37	67	
				(65) INVENTORY RATING METHOD -	Load Factor	1	
				(66) INVENTORY RATING -	HS-22	40	
				(70) BRIDGE POSTING -	No Posting Required	5	
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED		A	
				DESCRIPTION -	Open, No Restriction		
				APPRAISAL			
				(67) STRUCTURAL EVALUATION		6	
				(68) DECK GEOMETRY		4	
				(69) UNDERCLEARANCES,VERTI & HORIZ		4	
				(71) WATERWAY ADEQUACY		8	
				(72) APPROACH ROADWAY ALIGNMENT		8	
				(36) TRAFFIC SAFETY FEATURES		1111	
				(113)SCOUR CRITICAL BRIDGES		8	
				PROPOSED IMPROVEMENTS			
				(75) TYPE OF WORK -		CODE	
				(76) LENGTH OF STRUCTURE IMPROVEMENT			
				(94) BRIDGE IMPROVEMENT COST			
				(95) ROADWAY IMPROVEMENT COST			
				(96) TOTAL PROJECT COST			
				(97) YEAR OF IMPROVEMENT COST ESTIMATE			
				(114)FUTURE ADT	44000	(115) YEAR FUTURE ADT	2025
				INSPECTIONS			
				(90) INSPECTION DATE		05/18/2017	
				(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: 430171

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
3	SR 1338	31013380	90	00				9	2	300	2010	28	H	90	6		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: 10/27/2017

COUNTY : HAYWOOD DIVISION : 14 DISTRICT : 2 STRUCTURE NUMBER : 430171 LENGTH : 610 FEET

ROUTE CARRIED : I-40 FEATURE INTERSECTED : SR1338, JONATHAN CREEK

LOCATED : 1 MI.W.JCT.US276 BRIDGE NAME : CITY :

FUNC. CLASS : 01 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 22000 2015 RAIL TYPE : LT 333 RT 333

BUILT : 1966 BY : SHC PROJ : 8.19468 FED.AID PROJ : BRIMS-040-1 (227) DESIGN LOAD : HS 20 + MOD

REHAB : 2012 BY : DBM PROJ : 45438.3.13 ALIGNMENT : TAN SKEW : 90 LANES : ON 4 UNDER 2

NAVIGATION : VC 0 FT HC 0 FT HT. CRN. TO BED : 122 FT WATER DEPTH : 10 FT

SUPERSTRUCTURE : REINFORCED CONCRETE FLOOR ON I-BEAMS&CONT.STL.PLATE GDRS.

SUBSTRUCTURE : E.BT1:RC SPILL THRU;E.BT2:RC CAP/H-PILE;BTS:RCP&B#5/PILES

SPANS : 1@50';(1@140';1@160';1@140'CONT)2@60'

BEAMS OR GIRDERS : SPNS1,5-6:8LNS36 I-BMS;SPNS2-4:8LNS CONT.STL.PLATE GDRS.

FLOOR : 7.75 RC/NO AWS ENCROACHMENT : DECK (OUT TO OUT) : 63.333 FT

CLEAR ROADWAY : 56 FT BETWEEN RAILS : 58.25 FT SIDEWALK OR CURB : LT 1.125 FT RT 1.125 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-22 OPE.RTG. : HS-37 CONTR.MEMBER : Sp(B.C.D) 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
3	SR 1338	90	90	280		6

Note: All measurements are in feet.

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430171

County HAYWOOD

Date: 05/18/2017

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	1	Span 5 Beam 2: SPAN 5, BEAM 2 AT BENT 5 HAS A 1 INCH DIAMETER HOLE RUSTED THRU THE WEB, 7.5 INCHES FROM THE END OF THE BEAM AND 1 INCH ABOVE THE BOTTOM FLANGE, THE BOTTOM FLANGE HAS 3/8 INCH SECTION LOSS FROM FACE OF BEARING OUT 2 INCHES X FULL WIDTH WITH 1/4 INCH REMAINING, PREVIOUS SECTION LOSS TO BEAM HAS BEEN PAINTED OVER	
 3314	Maintain Steel Superstructure Components	LF	1	Span 5 Beam 3: SPAN 5, BEAM 3 AT BENT 4 HAS 1/8 INCH SECTION LOSS ON THE BOTTOM FLANGE, STARTING 2 INCHES OUT AT FACE OF BEARING X 2 INCHES LONG X FULL WIDTH WITH 1/2 INCH REMAINING, THE VERTICAL WEB STIFFENER ON THE RIGHT SIDE HAS A 1/2 INCH DIAMETER HOLE RUSTED THRU NEAR THE BOTTOM AT THE BEARING AREA, THE WEB HAS 1/16 INCH SECTION LOSS FROM THE END OF THE BEAM OUT 10 INCHES AND 4 INCHES UP FROM THE BOTTOM WITH 9/16 INCH REMAINING	
 3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 2: SPAN 4, GIRDER 2 AT BENT 4 HAS 1/4 SECTION LOSS ON THE BOTTOM FLANGE, FROM THE END OF THE BEAM OUT 27 INCHES WITH 3/4 INCH REMAINING, PREVIOUS SECTION LOSS TO BEAM HAS BEEN PAINTED OVER	
 3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 3: SPAN 4, GIRDER 3 AT BENT 4 HAS 1/4 SECTION LOSS ON THE BOTTOM FLANGE, FROM THE END OF THE BEAM OUT 27 INCHES WITH 3/4 INCH REMAINING, PREVIOUS SECTION LOSS TO BEAM HAS BEEN PAINTED OVER	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430171

County HAYWOOD

Date: 05/18/2017

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	1	Span 6 Beam 2: Span 6 Beam 2: SPAN 6, BEAM 2 AT BENT 5 HAS 3/8 INCH SECTION LOSS ON THE BOTTOM FLANGE, STARTING AT THE FACE OF THE BEARING, FULL WIDTH X 3 INCHES LONG WITH 1/4 INCH REMAINING, THE WEB HAS 1/8 INCH SECTION LOSS FROM THE END OF THE BEAM 10 INCHES LONG X 8 INCHES HIGH WITH 1/2 INCH REMAINING, PREVIOUS SECTION LOSS TO BEAM HAS BEEN PAINTED OVER	
 3314	Maintain Steel Superstructure Components	LF	1	SPAN 4, BAY 3 AT BENT 3, SWAY BRACE CONNECTION TO BEAM 3, AT EAST SIDE OF BEARING BROKE LOOSE	
 3326	Maintain Concrete Deck	SF	1	Span 4 Deck: SPAN 4, BAY 4, BOTTOM OF DECK HAS A PATCHED AREA THAT HAS FAILED, 30 FT. FROM BENT 4, 15 INCHES IN DIAMETER X 4 INCHES DEEP WITH REBAR EXPOSED	
 3326	Maintain Concrete Deck	SF	15	Span 4 Deck: SPAN 4, BAY 4, BOTTOM OF DECK, 40 FT. FROM BENT 4 HAS A UNSOUND PATCHED AREA WITH EXPOSED REBAR, 5 FT. X 3 FT.	
 3348	Maintain Concrete Substructure Components	LF	6	End Bent 1 Cap 1: END BENT 1, FACE OF CAP HAS A SPALL IN BAY 2, 6 FT. LONG X 11 INCHES WIDE X 3 INCHES DEEP WITH EXPOSED REBAR	
 3348	Maintain Concrete Substructure Components	LF	1	Bent 1 Cap 1: BENT 1 CAP, SPAN 2 SIDE HAS A SPALL IN THE FACE OF THE CAP UNDER BEAM 3, 7 INCHES IN DIAMETER X 3/4 INCH DEEP WITH REBAR EXPOSED	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430171

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/05/2017	MARK WADE	
Details		
Span 5 Beam 2: SPAN 5, BEAM 2 AT BENT 5 HAS A 1 INCH DIAMETER HOLE RUSTED THRU THE WEB, 7.5 INCHES FROM THE END OF THE BEAM AND 1 INCH ABOVE THE BOTTOM FLANGE, THE BOTTOM FLANGE HAS 3/8 INCH SECTION LOSS FROM FACE OF BEARING OUT 2 INCHES X FULL WIDTH WITH 1/4 INCH REMAINING, PREVIOUS SECTION LOSS TO BEAM HAS BEEN PAINTED OVER		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/05/2017	MARK WADE	
Details		
Span 5 Beam 3: SPAN 5, BEAM 3 AT BENT 4 HAS 1/8 INCH SECTION LOSS ON THE BOTTOM FLANGE, STARTING 2 INCHES OUT AT FACE OF BEARING X 2 INCHES LONG X FULL WIDTH WITH 1/2 INCH REMAINING, THE VERTICAL WEB STIFFENER ON THE RIGHT SIDE HAS A 1/2 INCH DIAMETER HOLE RUSTED THRU NEAR THE BOTTOM AT THE BEARING AREA, THE WEB HAS 1/16 INCH SECTION LOSS FROM THE END OF THE BEAM OUT 10 INCHES AND 4 INCHES UP FROM THE BOTTOM WITH 9/16 INCH REMAINING		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430171

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/05/2017	MARK WADE	
Details		
Span 2 Beam 2: SPAN 4, GIRDER 2 AT BENT 4 HAS 1/4 SECTION LOSS ON THE BOTTOM FLANGE, FROM THE END OF THE BEAM OUT 27 INCHES WITH 3/4 INCH REMAINING, PREVIOUS SECTION LOSS TO BEAM HAS BEEN PAINTED OVER		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/05/2017	MARK WADE	
Details		
Span 2 Beam 3: SPAN 4, GIRDER 3 AT BENT 4 HAS 1/4 SECTION LOSS ON THE BOTTOM FLANGE, FROM THE END OF THE BEAM OUT 27 INCHES WITH 3/4 INCH REMAINING, PREVIOUS SECTION LOSS TO BEAM HAS BEEN PAINTED OVER		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430171

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/05/2017	MARK WADE	
Details		
Span 6 Beam 2: Span 6 Beam 2: SPAN 6, BEAM 2 AT BENT 5 HAS 3/8 INCH SECTION LOSS ON THE BOTTOM FLANGE, STARTING AT THE FACE OF THE BEARING, FULL WIDTH X 3 INCHES LONG WITH 1/4 INCH REMAINING, THE WEB HAS 1/8 INCH SECTION LOSS FROM THE END OF THE BEAM 10 INCHES LONG X 8 INCHES HIGH WITH 1/2 INCH REMAINING, PREVIOUS SECTION LOSS TO BEAM HAS BEEN PAINTED OVER		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Beams and Girders	Bent/Span No. 4	BRACE CONNECTION
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/22/2017	MARK WADE	GLEN KIKER
Details		
SPAN 4, BAY 3 AT BENT 3, SWAY BRACE CONNECTION TO BEAM 3, AT EAST SIDE OF BEARING BROKE LOOSE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430171

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	1 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/17/2017	MARK WADE	
Details		
Span 4 Deck: SPAN 4, BAY 4, BOTTOM OF DECK HAS A PATCHED AREA THAT HAS FAILED, 30 FT. FROM BENT 4, 15 INCHES IN DIAMETER X 4 INCHES DEEP WITH REBAR EXPOSED		

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	15 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/17/2017	MARK WADE	
Details		
Span 4 Deck: SPAN 4, BAY 4, BOTTOM OF DECK, 40 FT. FROM BENT 4 HAS A UNSOUND PATCHED AREA WITH EXPOSED REBAR, 5 FT. X 3 FT.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430171

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	6 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/17/2017	MARK WADE	
Details		
End Bent 1 Cap 1: END BENT 1, FACE OF CAP HAS A SPALL IN BAY 2, 6 FT. LONG X 11 INCHES WIDE X 3 INCHES DEEP WITH EXPOSED REBAR		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/17/2017	MARK WADE	
Details		
Bent 1 Cap 1: BENT 1 CAP, SPAN 2 SIDE HAS A SPALL IN THE FACE OF THE CAP UNDER BEAM 3, 7 INCHES IN DIAMETER X 3/4 INCH DEEP WITH REBAR EXPOSED		



SPAN 4, BAY 3 AT BENT 3, SWAY BRACE CONNECTION TO BEAM 3, AT EAST SIDE OF BEARING BROKE LOOSE

Structure Data Worksheet

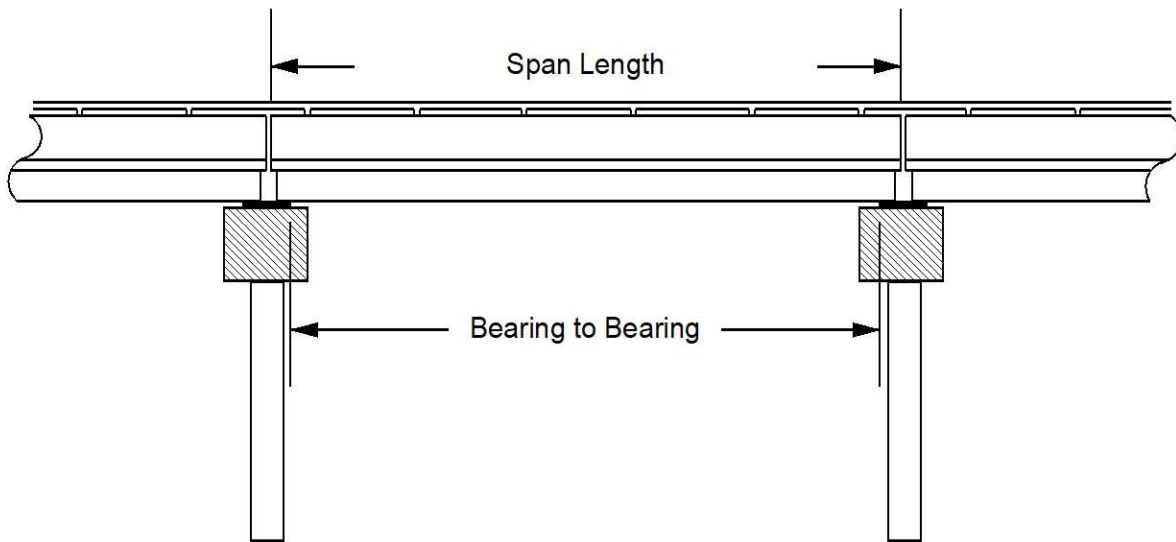
Spans

County: HAYWOOD

Structure No: 430171

Date: 05/18/2017

Inspected By: MSW



Span No	Span Length	Bearing to Bearing	Comments
1	50'- 0"	45'-6"	
2	140'- 0"	139'-0"	
3	160'- 0"	160'-0"	
4	140'- 0"	139'-0"	
5	60'- 0"	57'-8"	
6	60'- 0"	55'-6"	NBIS BRIDGE LENGTH = 605 FT.
SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 430171 County: HAYWOOD Date: 05/18/2017 By: MSW

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

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

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	1.75	TOP OF WINGWALL			
1	1.75	TOP OF WINGWALL			
1.1	5.8	Top of Cap			
2.4	5.8	Top of Cap			
2.5	7	GL AT CAP	2.5	6.4	GL AT CAP
50	35	BENT 1	50	19.8	BENT 1
190	95.3	BENT 2	190	89.3	BENT 2
262	115	WSWE			
272	120	BED			
282	125	BED			
292	122	BED			
302	115	WSWE			
350	104	BENT 3	350	107	BENT 3
490	70	BENT 4	490	86.5	BENT 4
550	38	BENT 5	550	39.3	BENT 5
605	5.5	GL AT CAP	605	5.8	GL AT CAP
605.1	4.5	Top of Cap			
606.4	4.5	Top of Cap			
606.5	1.75	TOP OF WINGWALL			
607.5	1.75	TOP OF WINGWALL			

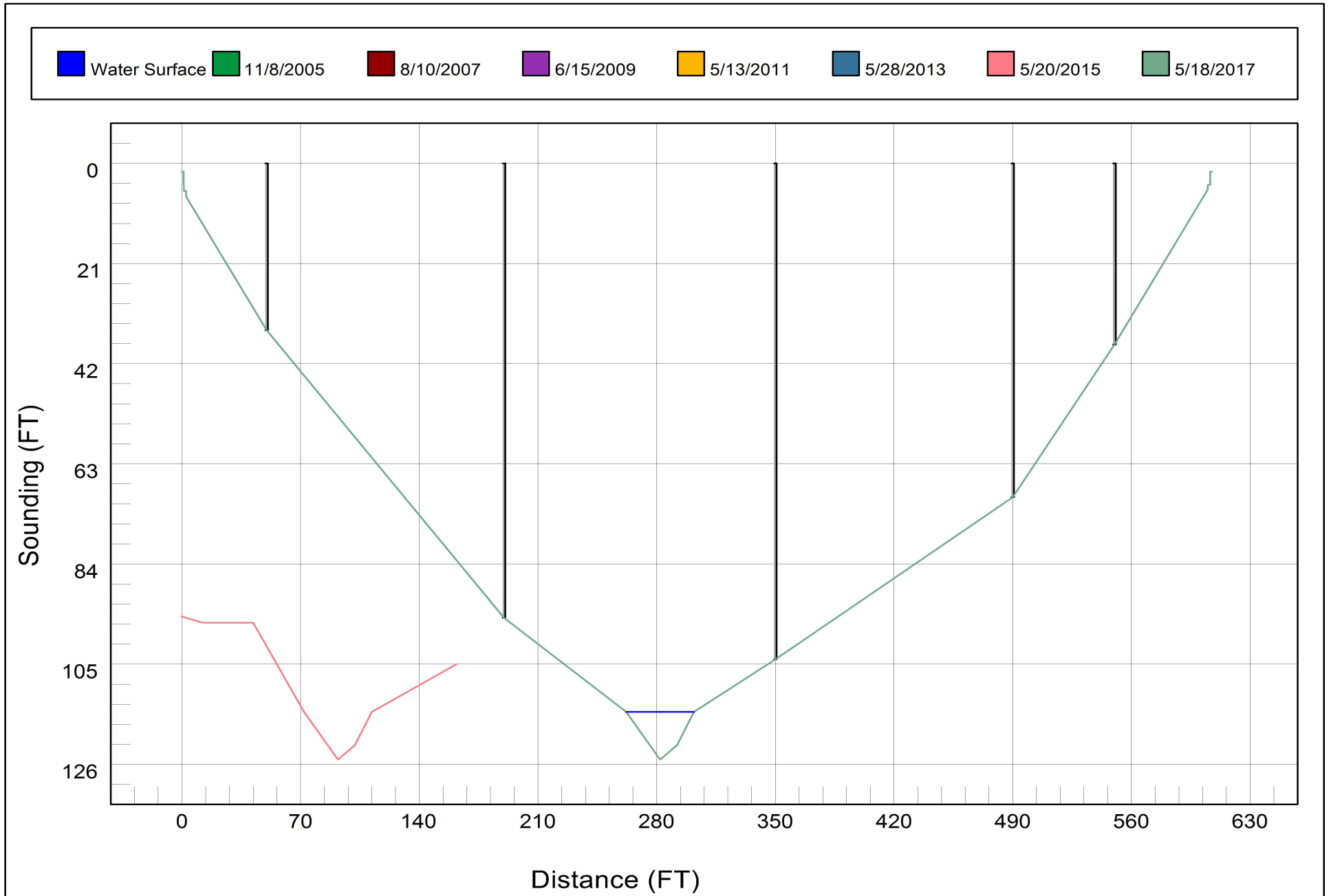
Bridge: 430171

County HAYWOOD

Date: 05/18/2017

STREAMBED PROFILE (Downstream)

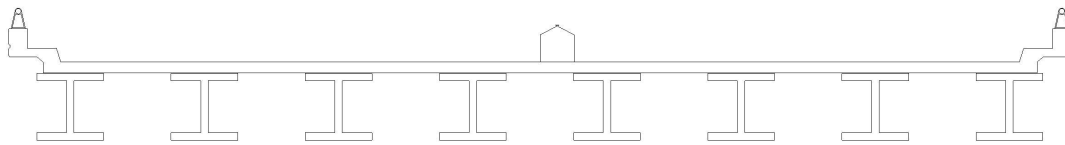
Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

Deck Width/Out to Out	63.333ft	Between Rails	58.250ft
Clear Roadway	56.000ft	Wearing Surface	0.0ft
Median Width	2.0ft	Median Height	2.167ft
Curb Height		Left	0.833ft
Sidewalk Width		Right	0.833ft
Clear Roadway (Rail to Median)		Left	28ft
Guardrail Width		Right	28ft
Top of Rail to Deck/Wearing Surface		Left	2.667ft
Bridge Rail		Right	2.667ft
		Left	Type 71
		Right	Type 71

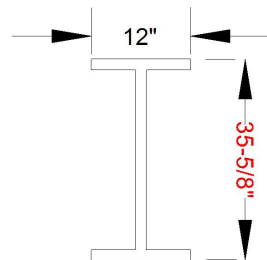
*GUARDRAIL TYPE 71 WITH ORIGINAL ONE BAR RAIL REMOVED



Measurements for Span #	1		
Deck Thickness	0.645	Left Overhang	3.667
Top of Rail to Bottom of Beam	6.333	Right Overhang	3.667

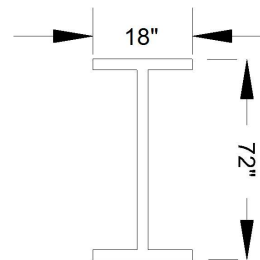
Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	8.0ft	
2	Steel I Beam	8.0ft	
3	Steel I Beam	8.0ft	
4	Steel I Beam	8.0ft	
5	Steel I Beam	8.0ft	
6	Steel I Beam	8.0ft	
7	Steel I Beam	8.0ft	
8	Steel I Beam	ft	

BEAMS SPANS 1, 5, 6
(NON-TAPERED FLANGES)



FLANGES = 13/16"
WEB = 5/8"

BEAMS SPANS 2, 3, 4
(NON-TAPERED FLANGES)



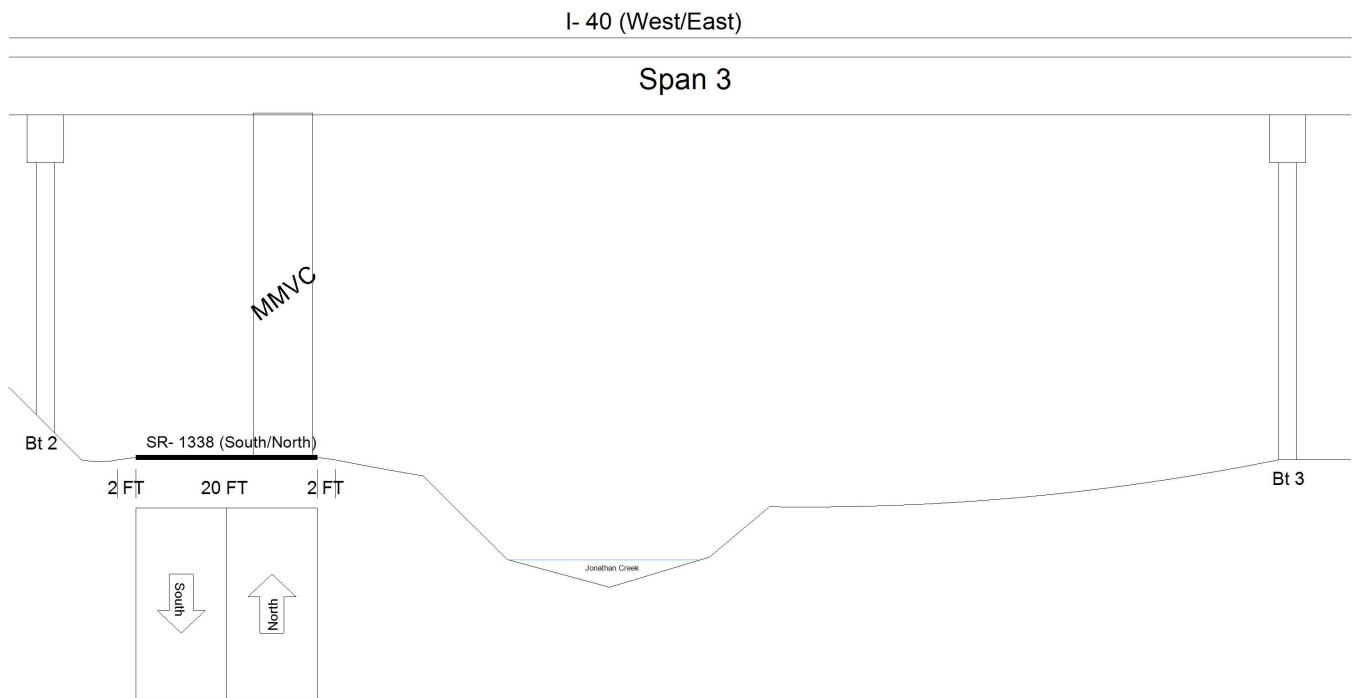
FLANGES = 1"
WEB = 1/2"

REVISED 5-17-17 MSW

5/20/15 - J.C.HUNTSINGER

Title		Description	
Typical Section		Data Worksheet	
Bridge No: 430171	Drawn By: Roy W. Shook	Date: 08/08/2007	File Name: S0106000364

Bridge Inspection Field Sketch



Roadway 1		Direction of Traffic	North South
Distance to Right Rail		Distance to Left Rail	
Distance to Left Toe of Slope	6FT	Distance to Left Bent	8FT
Distance to Right Toe of Slope		Distance to Right Bent	106FT
MMVC	90 Ft at Beam 1, 10 FT from Right Edge Of Roadway		
MVC	90 Ft at Beam 1, 0 FT from Left Edge OF Roadway		

VERIFIED 5-17-17 MSW

5/20/15 - J.C.HUNTSINGER

Title

Underclearance

Description

Data Worksheet

Bridge No: 430171

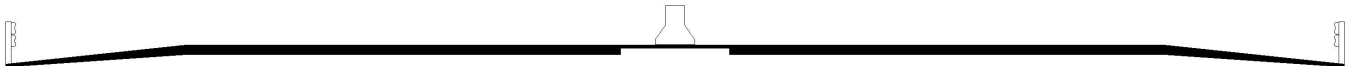
Drawn By: Roy W. Shook

Date: 08/08/2007

File Name: S0106000365

Bridge Inspection Field Sketch

I - 40



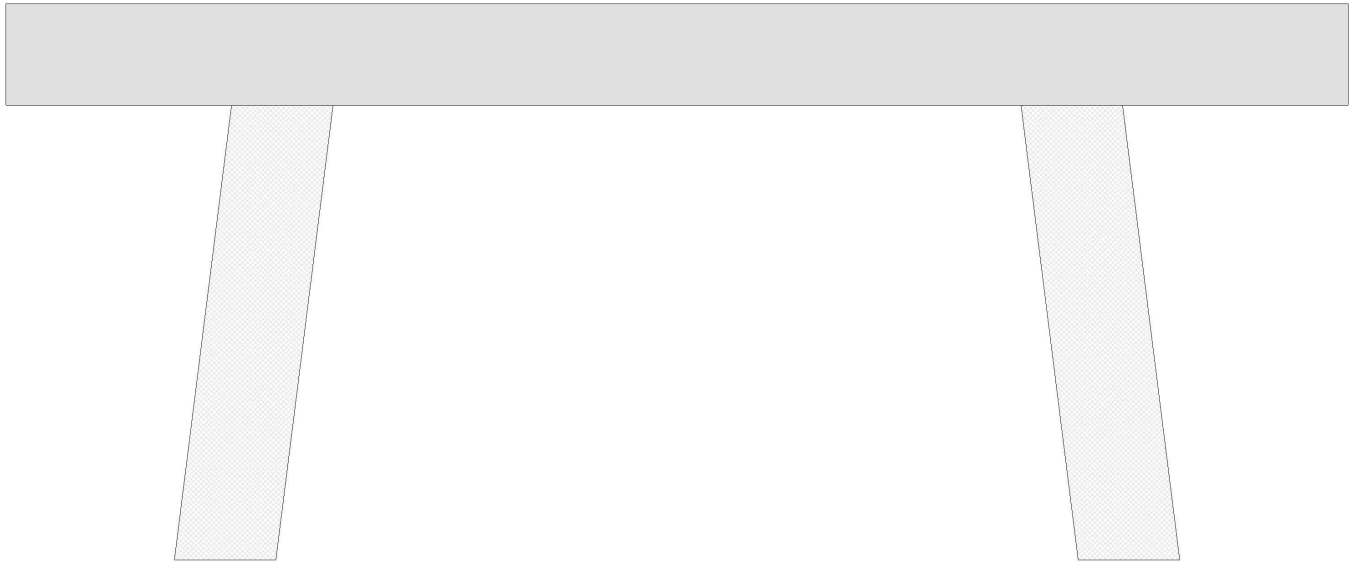
Left Lanes			
Roadway	24.0ft Wide	2 Paved Lanes	East Bound
Right Shoulder	10.1ft Wide	10.0ft Paved	0.1ft Unpaved
Left Shoulder	2ft Wide	2.0ft Paved	
Right Guardrail	10.0ft from road		
Left Guardrail	2.0ft from road		
Median	2ft Wide	5.167ft High	
Right Lanes			
Roadway	24.0ft Wide	2 Paved Lanes	West Bound
Left Shoulder	2ft Wide	2.0ft Paved	
Right Shoulder	10.1ft Wide	10.0ft Paved	0.1ft Unpaved
Left Guardrail	2.0ft from road		
Right Guardrail	10.0ft from road		

VERIFIED 5-17-17 MSW

5/20/15 - J.C.HUNTSINGER

Title		Description	
Approach Roadway		Data Worksheet	
Bridge No:	430171	Drawn By:	D.D.H.
Date:	08/08/2007	File Name:	S0106000363

Bridge Inspection Field Sketch



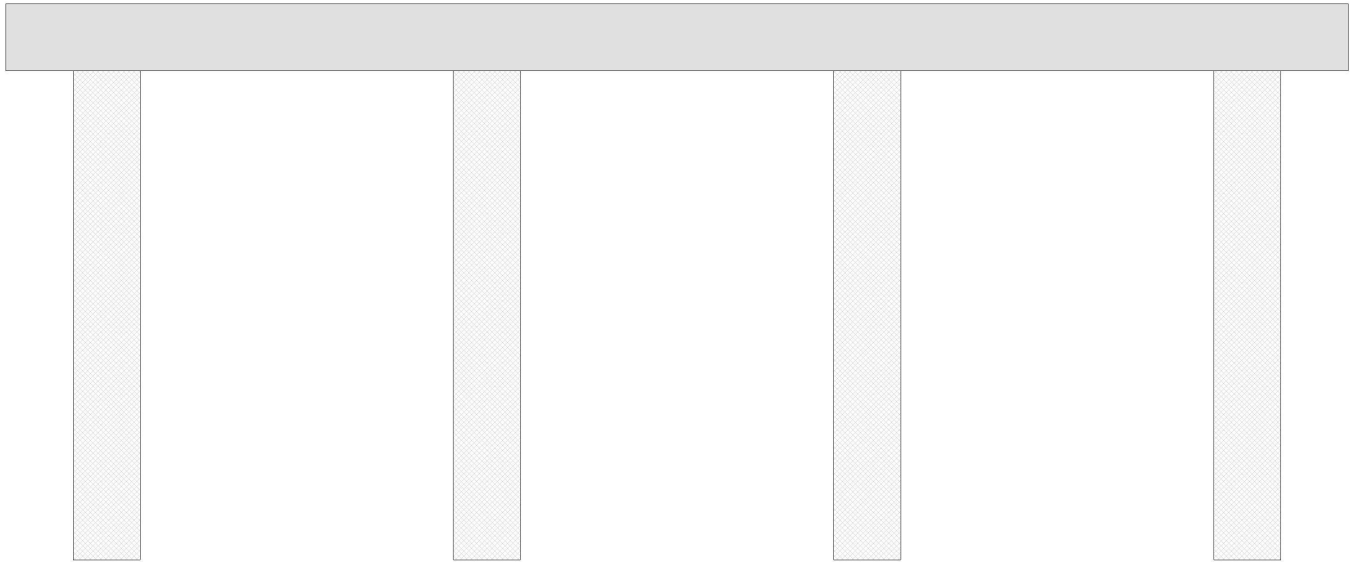
Cap Information			Material Cast-in-Place Concrete							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
59.500 ft.	4.500 ft.	4.500 ft.	12.250 ft.	12.250 ft.	1.833 ft.	1.833 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	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	35 ft.	4.5 ft.	4.5 ft.	84 ft.*	Battered	No	No	No	No
2	Concrete		4.5 ft.	4.5 ft.	84 ft.*	Battered	No	No	No	No
Bent/Abutment #: 2			Similar Bents: 3, 4							

* 102' AT BENT 3, 76' AT BENT 4

VERIFIED 5-17-17 MSW

Title INTERIOR BENTS 2 - 4		Description SUBSTRUCTURE DETAILS	
Bridge No: 430171	Drawn By: JOE C HUNTSINGER	Date: 5/20/2015	File Name: S0102001153

Bridge Inspection Field Sketch



Cap Information			Material Cast-in-Place Concrete							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
59.166 ft.	3.000 ft.	3.000 ft.	4.083 ft.	4.083 ft.	1.25 ft.	1.25 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 ft.	3 ft.	2.25 ft.		Vertical	No	No	No	No
2	Concrete	17 ft.	3 ft.	2.25 ft.		Vertical	No	No	No	No
3	Concrete	17 ft.	3 ft.	2.25 ft.		Vertical	No	No	No	No
4	Concrete		3 ft.	2.25 ft.		Vertical	No	No	No	No
Bent/Abutment #: 1			Similar Bents: 5							

REVISED 5-17-17 MSW

5/20/15 - J.C.HUNTSINGER

Title INTERIOR BENTS 1 AND 5			Description SUBSTRUCTURE DETAILS		
Bridge No: 430171	Drawn By: JOE C HUNTSINGER	Date: 5/28/2013	File Name: S0106001630		

Bridge Inspection Field Sketch

ROCKER BEARING MEASUREMENTS

BENT 1/SPAN 2	+/-	TEMP.	DATE
BEAM 1	-1/8"	65 DEG.	5/17/17
BEAM 2	-1/8"	65 DEG.	5/17/17
BEAM 3	-1/2"	65 DEG.	5/17/17
BEAM 4	+1/8"	65 DEG.	5/17/17
BEAM 5	-1/2"	65 DEG.	5/17/17
BEAM 6	+1/4"	65 DEG.	5/17/17
BEAM 7	-3/4"	65 DEG.	5/17/17
BEAM 8	-1/4"	65 DEG.	5/17/17

BENT 4/SPAN 4	+/-	TEMP.	DATE
BEAM 1	0	65 DEG.	5/17/17
BEAM 2	+1"	65 DEG.	5/17/17
BEAM 3	+1"	65 DEG.	5/17/17
BEAM 4	+3/4"	65 DEG.	5/17/17
BEAM 5	+1"	65 DEG.	5/17/17
BEAM 6	+3/4"	65 DEG.	5/17/17
BEAM 7	+1/2"	65 DEG.	5/17/17
BEAM 8	+1 1/2"	65 DEG.	5/17/17

Title
ROCKER BEARINGS

Description
ROCKER BEARINGS

Bridge No: 430171

Drawn By: MSW

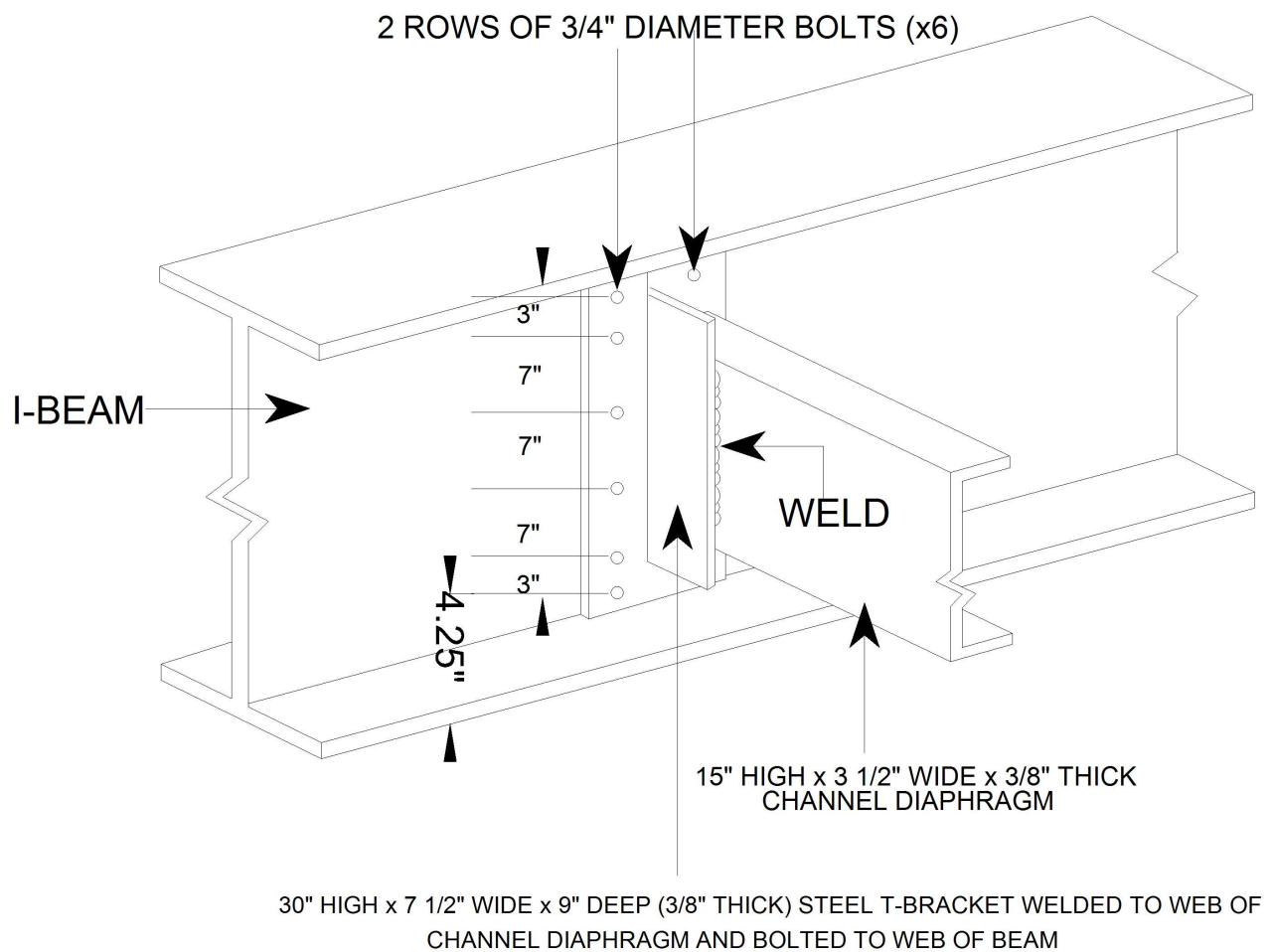
Date: 5/18/2017

File Name: S0214000835

Bridge Inspection Field Sketch

DIAPHRAGM DETAILS

LOCATIONS : 1/3 POINTS OF SPANS 1, 5, AND 6



VERIFIED 5-17-17 MSW

5/20/15 - J.C.HUNTSINGER

Title		Description	
INTERMEDIATE DIAPHRAGMS		SUPERSTRUCTURE DETAILS	
Bridge No:	430171	Drawn By:	JOE C. HUNTSINGER
Date:	5/28/2013	File Name:	S0106001631