



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: TRAFFIC CONTROL USED, PRIORITY MAINTENANCE

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: WAKE STRUCTURE NUMBER: 910252 FREQUENCY: 24 MONTHS

FACILITY CARRIED: RIDGE ROAD MILE POST: 6

LOCATION: 0.1 MI.S.OF US70

FEATURE INTERSECTED: I440,US1

LATITUDE: 35° 50' 2.23" LONGITUDE: 78° 40' 22.83"

SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE: EBTS: RC CAPS/SPREAD FTGS IBTS:RCP&B/ SPREAD FTGS.

SPANS: 1@60'6"; 2@82'6"; 2@56'6"

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

PRESENT CONDITION: Fair INSPECTION DATE: 09/15/2016

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: NONE

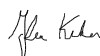


WEST APPROACH LOOKING EAST

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

DIRECTION OF INSPECTION W-E

DIRECTION MATCHES PLANS NO

INSPECTED BY GLEN KIKER	SIGNATURE 	ASSISTED BY RAFAEL ASENCIO
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Structure Element Scoring

Structure Number: **910252**

Inspection Date **9/15/2016**

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	11315	9874	820	621	0
107	0	Steel Open Girder/Beam	Beam	1364	1292	0	72	0
515	107	Steel Protective Coating	Beam	14360	14360	0	0	0
205	0	Reinforced Concrete Column	Piles and Columns	12	5	2	5	0
215	0	Reinforced Concrete Abutment	Abutments	98	82	0	16	0
234	0	Reinforced Concrete Pier Cap	Caps	234	69	10	155	0
300	0	Strip Seal Expansion Joint	Expansion Joints	240	240	0	0	0
301	0	Pourable Joint Seal	Expansion Joints	240	200	0	40	0
313	0	Fixed Bearing	Bearing Device	40	8	29	3	0
515	313	Steel Protective Coating	Bearing Device	40	8	32	0	0
321	0	Reinforced Concrete Approach Slabs	Approaches	868	558	250	60	0
333	0	Other Bridge Railing	Bridge Rail	680	676	4	0	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **910252**

Inspection Date: **09/15/2016**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	1438 Square Feet
3326	Reinforced Concrete Deck	Delamination/Spall	3 Square Feet
3314	Steel Open Girder/Beam	Corrosion	72 Feet
3348	Reinforced Concrete Column	Delamination/Spall	3 Each
3348	Reinforced Concrete Column	Cracking (RC and Other)	18 Each
3348	Reinforced Concrete Column	Abrasion/Wear (PSC/RC)	1 Each
3350	Reinforced Concrete Abutment	Delamination/Spall	16 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	117 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	48 Feet
3310	Pourable Joint Seal	Seal Adhesion	40 Feet
3334	Fixed Bearing	Corrosion	1 Each
3334	Fixed Bearing	Connection	2 Each
3353	Reinforced Concrete Approach Slabs	Cracking (RC and Other)	310 Square Feet
3318	Other Bridge Railing	Delamination/Spall	4 Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	32 Square Feet

Element Structure Maintenance Quantities

Structure Number: **910252**

Inspection Date **09/15/2016**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	16	98	0	16	0	82
Approaches	3353	Maintenance of Concrete Bridge Approach Slabs	310	868	0	60	250	558
Beam	3314	Maintenance Steel Superstructure Components	72	1364	0	72	0	1292
Beam	3342	Clean and Paint Steel	0	14360	0	0	0	14360
Bearing Device	3334	Bridge Bearing	3	40	0	3	29	8
Bearing Device	3342	Clean and Paint Steel	32	40	0	0	32	8
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	4	680	0	0	4	676
Caps	3348	Maintenance of Concrete Substructure	165	234	0	155	10	69
Deck	3326	Maintenance of Concrete Deck	1441	11315	0	621	820	9874
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	40	480	0	40	0	440
Piles and Columns	3348	Maintenance of Concrete Substructure	22	12	0	5	2	5

Element Condition and Maintenance Data

Structure Number: 910252

Inspection Date: 09/15/2016

Span 1

Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	2,022	1,269	150	603	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	MAP CRACKING ON BOTTOM OF DECK IN BAYS 1,2, AND 3 LESS THAN 6 IN. SPACING THROUGH OUT SPAN.	3	600	600	Square Feet
12	Delamination/Spall	SPALL 6 IN. X 8 IN. X 3 IN. DEEP AT END BENT 1 SOUTHWEST BACKWALL.	3	1	1	Square Feet
12	Delamination/Spall	SPALL IN RIGHT OVERHANG NEAR END BENT 1 20 IN. LONG X 4 IN. WIDE .	3	2	2	Square Feet
12	Cracking (RC and Other)	TRANSVERSE HAIRLINE CRACKING, THROUGHOUT THE SPAN.	2	150	150	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	61	58	0	3	0	Feet
515	Steel Protective Coating	598	598	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS FROM PREVIOUS RUST OF UP TO 3/16 IN. ON THE BOTTOM FLANGE AND ON WEB NEAR DIAPHRAGM. BEAM HAS BEEN CLEANED AND PAINTED.	3	3	3	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	61	59	0	2	0	Feet
515	Steel Protective Coating	598	598	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION SECTION LOSS OF UP TO 3/16 IN. ON THE BOTTOM FLANGE AND ON WEB NEAR DIAPHRAGM. BEAM HAS BEEN CLEANED AND PAINTED.	3	2	2	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	61	59	0	2	0	Feet
515	Steel Protective Coating	598	598	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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Structure Number: **910252**Inspection Date: **09/15/2016**

107 Corrosion CORROSION SECTION LOSS OF UP TO 3/16 IN. ON THE BOTTOM FLANGE AND ON WEB NEAR DIAPHRAGM. BEAM HAS BEEN CLEANED AND PAINTED. 3 2 2 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	61	51	0	10	0 Feet
515	Steel Protective Coating	598	598	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION SECTION LOSS OF UP TO 3/16 IN. ON THE BOTTOM FLANGE AND ON WEB NEAR DIAPHRAGM. BEAM HAS BEEN CLEANED AND PAINTED.	3	10	10 Feet

General Comments**Span 1****Left Bridge Rail****Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	61	61	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments**Span 1****Right Bridge Rail****Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	61	61	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments**Span 1****Far Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SPAN 1, BEAM 1, FAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST. THE BEARING HAS BEEN CLEANED AND PAINTED AND FRECKLED RUST HAS STARTED	2	1	Each

Inspection Date: **09/15/2016**

General Comments

Fixed Bearing

515	Steel Protective Coating	1	0	1	0	0	Square Feet
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General Comments

Fixed Bearing

515	Steel Protective Coating	1	0	1	0	0	Square Feet
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General Comments

Fixed Bearing

515	Steel Protective Coating	1	0	1	0	0	Square Feet
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General Comments

General Comments

Span 1 Expansion Joint**Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
300	Strip Seal Expansion Joint	40	40	0	0	0 Feet
301	Pourable Joint Seal	40	40	0	0	0 Feet

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

UNABLE TO INSPECT JOINT DUE TO ASPHALT WEARING SURFACE.

Span 2 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	2,758	2,558	200	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Cracking (RC and Other)	TRANSVERSE HAIRLINE CRACKING, THROUGHOUT THE SPAN.	2	200	200 Square Feet

General Comments**Span 2 Expansion Joint****Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
300	Strip Seal Expansion Joint	40	40	0	0	0 Feet
301	Pourable Joint Seal	40	0	0	40	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
301	Seal Adhesion	BENT 2 EXPANSION JOINT SEPARATED FROM EACH SIDE OF THE DECK AND LEAKING	3	40	40 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	83	76	0	7	0 Feet
515	Steel Protective Coating	938	938	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 2, BEAM 1 AT BENT 1 HAS 3/16 IN. SECTION LOSS FROM PREVIOUS RUST ON THE BOTTOM FLANGE AND WEB NEAR CONCRETE DIAPHRAGM CONNECTION, BEAM HAS BEEN CLEANED AND PAINTED	3	1	1 Feet
107	Corrosion	SPAN 2, BEAM 1 AT BENT 2 HAS 1/4 IN. X FULL WIDTH SECTION LOSS FROM PREVIOUS RUST ON THE LEFT BOTTOM FLANGE FROM THE BEAM END OUT 6 FT. THE LEFT WEB HAS 1/4 IN. LOSS FROM PREVIOUS RUST AT	3	6	6 Feet

THE CONCRETE DIAPHRAGM CONNECTION, 1 IN. WIDE X 11 IN. LONG AND 1/4 IN. SECTION LOSS ON THE LOWER WEB, 4 IN. HIGH X 6 FT. LONG. BEAM HAS BEEN CLEANED AND PAINTED.

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	83	81	0	2	0 Feet
515	Steel Protective Coating	938	938	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 2, BEAM 2 HAS UP 3/16 IN. SECTION LOSS FROM PREVIOUS RUST AT BENTS 1 AND 2, ON THE BOTTOM FLANGE AND WEB AT THE CONCRETE DIAPHRAGM CONNECTION, BEAM HAS BEEN CLEANED AND PAINTED	3	2	2 Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	83	81	0	2	0 Feet
515	Steel Protective Coating	938	938	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 2, BEAM 3 HAS UP TO 3/16 IN. SECTION LOSS FROM PREVIOUS RUST AT BENTS 1 AND 2, ON THE BOTTOM FLANGE AND WEB AT THE CONCRETE DIAPHRAGM CONNECTION, BEAM HAS BEEN CLEANED AND PAINTED	3	2	2 Feet

General Comments
Span 2**Beam 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	83	81	0	2	0 Feet
515	Steel Protective Coating	938	938	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 2, BEAM 4 HAS UP TO 3/16 IN. SECTION LOSS FROM PREVIOUS RUST AT BENTS 1 AND 2, ON THE BOTTOM FLANGE AND WEB AT THE CONCRETE DIAPHRAGM CONNECTION, BEAM HAS BEEN CLEANED AND PAINTED	3	2	2 Feet

General Comments

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

General Comments

Near 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	1	0	1	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	1	0	1	0	0	Square Feet

General Comments

Near 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	1	0	1	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	1	0	1	0	0	Square Feet

General Comments

Span 2 Near Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SPAN 2, BEAM 4, NEAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST. THE BEARING HAS BEEN CLEANED AND PAINTED AND FRECKLED RUST HAS STARTED	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1	Square Feet

General Comments

Span 2 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SPAN 2, BEAM 4, FAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST. THE BEARING HAS BEEN CLEANED AND PAINTED AND FRECKLED RUST HAS STARTED	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1	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	2,758	2,533	225	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	TRANSVERSE HAIRLINE CRACKING, THROUGH OUT THE SPAN.	2	225	225	Square Feet

General Comments

Span 3 Beam 1**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	83	81	0	2	0	Feet
515	Steel Protective Coating	938	938	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SPAN 3, BEAM 1 HAS UP 3/16 IN. SECTION LOSS FROM PREVIOUS RUST AT BENTS 2 AND 3, ON THE BOTTOM	3	2	2	Feet

FLANGE AND WEB AT THE CONCRETE DIAPHRAGM
CONNECTION, FROM THE BEAM ENDS OUT 1 FT. BEAM
HAS BEEN CLEANED AND PAINTED

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	83	81	0	2	0 Feet
515	Steel Protective Coating	938	938	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 3, BEAM 2 HAS UP 3/16 IN. SECTION LOSS FROM PREVIOUS RUST AT BENTS 2 AND 3, ON THE BOTTOM FLANGE AND WEB AT THE CONCRETE DIAPHRAGM CONNECTION, FROM THE BEAM ENDS OUT 1 FT. BEAM HAS BEEN CLEANED AND PAINTED	3	2	2 Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	83	81	0	2	0 Feet
515	Steel Protective Coating	938	938	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 3, BEAM 3 HAS UP 3/16 IN. SECTION LOSS FROM PREVIOUS RUST AT BENTS 2 AND 3, ON THE BOTTOM FLANGE AND WEB AT THE CONCRETE DIAPHRAGM CONNECTION, FROM THE BEAM ENDS OUT 1 FT. BEAM HAS BEEN CLEANED AND PAINTED	3	2	2 Feet

General Comments**Span 3****Beam 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	83	80	0	3	0 Feet
515	Steel Protective Coating	938	938	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 3, BENT 3, BEAM 4 HAS 3/16 IN. SECTION LOSS FROM PREVIOUS RUST ON THE BOTTOM FLANGE X FULL WIDTH FROM THE BEAM END OUT 3 FT. THE WEB HAS UP TO 3/16 IN. SECTION LOSS AROUND THE CONCRETE DIAPHRAGM CONNECTION FROM PREVIOUS RUST. BEAM HAS BEEN CLEANED AND PAINTED	3	3	3 Feet

General Comments

1" LENGTH OF SURFACE RUST BENEATH NEW PAINT AT END OF BEAM AT BENT 2.

Span 3 Left Bridge Rail**Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	83	79	4	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	Delamination/Spall	(4) 3" DIAMETER POPOUTS WITH EXPOSED REINFORCING IN FACE OF BRIDGE RAIL, NEAR MIDSPAN.	2	4	4	Feet

General Comments

Span 3 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	1	0	1	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SPAN 3, BEAM 1, NEAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST. THE BEARING HAS BEEN CLEANED AND PAINTED AND FRECKLED RUST HAS STARTED	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1	Square Feet

General Comments

Span 3 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SPAN 3, BEAM 1, FAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST. THE BEARING HAS BEEN CLEANED AND PAINTED AND FRECKLED RUST HAS STARTED	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1	Square Feet

General Comments

Span 3 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	1	0	1	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SPAN 3, BEAM 2, NEAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST. THE BEARING HAS BEEN	2	1		Each

CLEANED AND PAINTED AND FRECKLED RUST HAS
STARTED

515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1	Square Feet
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General Comments**Span 3 Far Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SPAN 3, BEAM 2, FAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST. THE BEARING HAS BEEN CLEANED AND PAINTED AND FRECKLED RUST HAS STARTED	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1	Square Feet

General Comments

Span 3 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	1	0	1	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SPAN 3, BEAM 3, NEAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST. THE BEARING HAS BEEN CLEANED AND PAINTED AND FRECKLED RUST HAS STARTED	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1	Square Feet

General Comments

Span 3 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SPAN 3, BEAM 3, FAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST. THE BEARING HAS BEEN CLEANED AND PAINTED AND FRECKLED RUST HAS STARTED	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1	Square Feet

General Comments

Span 3 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	1	0	1	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
313	Corrosion	SPAN 3, BEAM 4, NEAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST. THE BEARING HAS BEEN CLEANED AND PAINTED AND FRECKLED RUST HAS STARTED	2	1			Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1		Square Feet
General Comments							

Span 3 Far Bearing**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	1	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
313	Corrosion	SPAN 3, BEAM 4, FAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST. THE BEARING HAS BEEN CLEANED AND PAINTED AND FRECKLED RUST HAS STARTED	2	1			Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1		Square 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	1,889	1,764	125	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
12	Cracking (RC and Other)	TRANSVERSE HAIRLINE CRACKING, THROUGH OUT THE SPAN.	2	125	125		Square Feet
General Comments							

Span 4 Beam 1**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	57	47	0	10	0	Feet
515	Steel Protective Coating	558	558	0	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	SPAN 4, BEAM 1 AT BENTS 3 AND 4 HAVE UP TO 3/16 IN. SECTION LOSS FROM PREVIOUS RUST ON THE BOTTOM	3	10	10		Feet

FLANGE X FULL WIDTH X 5 FT. LONG. AND 3/16 IN. LOSS
IN THE WEB AT THE CONCRETE DIAPHRAGM
CONNECTION. BEAM HAS BEEN CLEANED AND PAINTED.

General Comments**Span 4****Beam 2****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	57	55	0	2	0 Feet
515	Steel Protective Coating	558	558	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 4, BEAM 2 HAS UP 3/16 IN. SECTION LOSS FROM PREVIOUS RUST AT BENTS 3 AND 4, ON THE BOTTOM FLANGE AND WEB AT THE CONCRETE DIAPHRAGM CONNECTION, FROM THE BEAM ENDS OUT 1 FT.. BEAM HAS BEEN CLEANED AND PAINTED	3	2	2 Feet

General Comments**Span 4****Beam 3****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	57	55	0	2	0 Feet
515	Steel Protective Coating	558	558	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 4, BEAM 3 HAS UP 3/16 IN. SECTION LOSS FROM PREVIOUS RUST AT BENTS 3 AND 4, ON THE BOTTOM FLANGE AND WEB AT THE CONCRETE DIAPHRAGM CONNECTION, FROM THE BEAM ENDS OUT 1 FT.. BEAM HAS BEEN CLEANED AND PAINTED	3	2	2 Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	57	45	0	12	0 Feet
515	Steel Protective Coating	558	558	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 4, BEAM 4 AT BENT 3 HAS 3/16 IN. SECTION LOSS ON THE BOTTOM FLANGES AND WEB AT THE CONCRETE DIAPHRAGM CONNECTION, FROM THE BEAM END OUT 2 FT., DUE TO PREVIOUS RUST, BEAM HAS BEEN CLEANED AND PAINTED	3	2	2 Feet
107	Corrosion	SPAN 4, BENT 4, BEAM 4 HAS UP TO 3/16 IN. SECTION LOSS FROM PREVIOUS RUST ON THE BOTTOM FLANGE X FULL WIDTH X 10 FT. LONG. BEAM HAS BEEN CLEANED AND PAINTED.	3	10	10 Feet

General Comments

Span 4		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		1	0	1	0	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
313	Corrosion	SPAN 4, BEAM 1, FAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST, BEARING HAS BEEN CLEANED AND PAINTED. FRECKLED RUST IS STARTING	2	1		Each	
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1		1 Square Feet	
General Comments							

Span 4		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		1	0	1	0	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
313	Corrosion	SPAN 4, BEAM 2, NEAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST. THE BEARING HAS BEEN CLEANED AND PAINTED AND FRECKLED RUST HAS STARTED	2	1		Each	
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1	Square Feet	
General Comments							

Span 4 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	1	0	1	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SPAN 4, BEAM 2, FAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST, BEARING HAS BEEN CLEANED AND PAINTED. FRECKLED RUST IS STARTING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1	Square Feet

General Comments

Span 4 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	1	0	1	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SPAN 4, BEAM 3, NEAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST. THE BEARING HAS BEEN CLEANED AND PAINTED AND FRECKLED RUST HAS STARTED	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1	Square Feet

General Comments

Span 4 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	1	0	1	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SPAN 4, BEAM 3, FAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST, BEARING HAS BEEN CLEANED AND PAINTED. FRECKLED RUST IS STARTING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1	Square Feet

General Comments

Span 4 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	1	0	1	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SPAN 4, BEAM 4, NEAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST. THE BEARING HAS BEEN CLEANED AND PAINTED AND FRECKLED RUST HAS STARTED	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1	Square Feet

General Comments

Span 4 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	1	0	1	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SPAN 4, BEAM 4, FAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST, BEARING HAS BEEN CLEANED AND PAINTED. FRECKLED RUST IS STARTING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1	Square 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	1,888	1,750	120	18	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	SPAN 5, TOP OF DECK HAS A TRANSVERSE CRACK 1/8 IN. WIDE X 9 FT. LONG IN THE LEFT LANE, ADJACENT TO END BENT 2 JOINT	3	9	9	Square Feet
12	Cracking (RC and Other)	SPAN 5, TOP OF DECK HAS A TRANSVERSE CRACK UP TO 1 IN. WIDE X 9 FT. LONG IN THE RIGHT LANE, ADJACENT TO END BENT 2 JOINT	3	9	9	Square Feet
12	Cracking (RC and Other)	SPAN 5, TOP OF DECK HAS 120 SQ FT. OF HAIRLINE TRANSVERSE CRACKING, NEAR END BENT 2	2	120	120	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	57	56	0	1	0 Feet
515	Steel Protective Coating	0	0	0	0	0 Square Feet
515	Steel Protective Coating	558	558	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 5, BENT 4, BEAM 1 HAS UP TO 1/8 IN. SECTION LOSS FROM PREVIOUS RUST ON THE BOTTOM FLANGE, FULL WIDTH X 1 FT. LONG AT THE BEARING AREA, AND THE WEB AT THE DIAPHRAGM CONNECTION. BEAM HAS BEEN CLEANED AND PAINTED.	3	1	1 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	57	55	0	2	0 Feet
515	Steel Protective Coating	0	0	0	0	0 Square Feet
515	Steel Protective Coating	558	558	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 5, BENT 4, BEAM 2 HAS UP TO 1/4 IN. SECTION LOSS FROM PREVIOUS RUST ON THE BOTTOM FLANGE AT THE BEARING AREA, 2 FT. LONG X FULL WIDTH OF BOTTOM FLANGE, AND UP TO 1/4 IN. LOSS IN THE WEB AT THE DIAPHRAGM CONNECTION. THE VERTICAL STIFFNER ON THE RIGHT SIDE HAS 95 % SECTION LOSS ON THE EDGE, 1 IN. WIDE, NEAR THE BENT DIAPHRAGM DUE TO PREVIOUS RUST. BEAM HAS BEEN CLEANED AND PAINTED.	3	2	2 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	57	56	0	1	0 Feet
515	Steel Protective Coating	0	0	0	0	0 Square Feet
515	Steel Protective Coating	558	558	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 5, BENT 4, BEAM 3 HAS UP TO 1/8 IN. SECTION LOSS ON THE BOTTOM FLANGE, FULL WIDTH X 1 FT. LONG AT THE BEARING AREA, AND THE WEB AT THE DIAPHRAGM CONNECTION FROM PREVIOUS RUST. BEAM HAS BEEN CLEANED AND PAINTED.	3	1	1 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	57	54	0	3	0 Feet
515	Steel Protective Coating	0	0	0	0	0 Square Feet
515	Steel Protective Coating	558	558	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SPAN 5, BENT 4, BEAM 4 HAS 3/8 IN. SECTION LOSS ON THE BOTTOM FLANGE AT THE BEARING AREA FROM PREVIOUS RUST X FULL WIDTH X 3 FT. LONG. BEAM HAS BEEN CLEANED AND PAINTED.	3	3	3 Feet

General Comments**Span 5****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	1	0	1	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SPAN 5, BEAM 1, NEAR BEARING, HAS 1/8 IN. SECTION LOSS FROM PREVIOUS RUST AND PACK RUST STARTING, BEARING HAS BEEN CLEANED AND PAINTED	2	1	Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1 Square Feet

General Comments**Span 5****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	1	0	1	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SPAN 5, BEAM 2, NEAR BEARING, HAS 1/8 IN. SECTION LOSS FROM PREVIOUS RUST AND PACK RUST STARTING, BEARING HAS BEEN CLEANED AND PAINTED	2	1	Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1 Square Feet

General Comments

Span 5**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	1	0	1	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
313	Corrosion	SPAN 5, BEAM 3, NEAR BEARING, HAS 1/8 IN. SECTION LOSS FROM PREVIOUS RUST AND PACK RUST STARTING. BEARING HAS BEEN CLEANED AND PAINTED	2	1			Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1		Square Feet
General Comments							

Span 5**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	1	0	1	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
313	Corrosion	SPAN 5, BEAM 4, NEAR BEARING, HAS 1/8 IN. SECTION LOSS FROM PREVIOUS RUST AND PACK RUST STARTING. BEARING HAS BEEN CLEANED AND PAINTED	2	1			Each
515	Effectiveness (Steel Protective Coatings)	FRECKLED RUST HAS STARTED	2	1	1		Square Feet
General Comments							

Span 5**Expansion Joint****Standard Joint**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
300	Strip Seal Expansion Joint	40	40	0	0	0	Feet
301	Pourable Joint Seal	40	40	0	0	0	Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
General Comments							

UNABLE TO INSPECT JOINT DUE TO ASPHALT WEARING SURFACE.

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	39	10	2	27	0	Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
234	Cracking (RC and Other)	DIAGONAL CRACK 1/16 IN. WIDE X 12 IN. LONG ON FACE OF CAP NEAR BEAM 4	3	1	1		Feet

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234	Delamination/Spall	DELAMINATION IN BAY 1 10 FT. LONG X 8 IN.HIGH X 18 IN. ON TOP, WITH ADJACENT 1/4 IN. CRACK ALONG THE LENGTH.	3	10	10 Feet
234	Delamination/Spall	DELAMINATION IN BAY 2, 4 FT. LONG X 12 IN.HIGH X 4 IN. ON TOP, WITH ADJACENT 1/16 IN. CRACK ALONG THE LENGTH.	3	4	4 Feet
234	Delamination/Spall	DELAMINATION IN BAY 3, 7 FT. LONG X 12 IN. HIGH X 12 IN. ON TOP, WITH ADJACENT 1/4 IN. CRACK ALONG THE LENGTH.	3	7	7 Feet
234	Delamination/Spall	DELAMINATION UNDER BEAM 2, 5 FT. LONG X 8 IN.HIGH X 4 IN. ON TOP, WITH ADJACENT 1/4 IN. CRACK ALONG THE LENGTH.	3	5	5 Feet
234	Cracking (RC and Other)	MAP CRACKING ON FACE OF CAP NEAR TOP EDGE ADJACENT TO BEAM 3	2	2	2 Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Cracking (RC and Other)	2-VERTICAL CRACKS 1/16 IN. WIDE X 4 FT. LONG ON SOUTH FACE OF COLUMN NEAR CAP.	3	1	4 Each

General Comments**Bent 1****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	Cracking (RC and Other)	6-VERTICAL CRACKS 1/8 IN. WIDE X 3 FT. LONG, 2 ON SOUTH FACE OF COLUMN WITH EFFLORESCENCE. 2 ON THE EAST FACE WITH EFFLORESCENCE AND 2 ON NORTH FACE.	3	1	3 Each

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Cracking (RC and Other)	6 VERTICAL CRACKS UP TO 1/8 IN. WIDE X 3 FT. LONG, 4 ON SOUTH FACE, 1 EAST FACE AND 1 ON THE NORTH FACE.	3	1	3 Each

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	39	9	2	28	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 HORIZONTAL CRACK, 1/4 IN. WIDE X 11 FT. LONG IN BAY 1, NEAR TOP EDGE	3	11	11 Feet
234	Cracking (RC and Other)	HORIZONTAL CRACK 1/16 IN. WIDE 2 FT. LONG, NEAR TOP OF THE CAP ON SPAN 1 SIDE UNDER BEAM 1.	3	2	2 Feet
234	Cracking (RC and Other)	HORIZONTAL CRACK 1/8 IN. WIDE X 4 FT. LONG NEAR TOP OF CAP ON SPAN 1 FACE NEAR BEAM 2.	3	4	4 Feet
234	Delamination/Spall	2- SPALLS ON THE BOTTOM OF 1- 18 IN. DIAMETER AND 1- 8 IN., DIAMETER, BOTH 1 IN. DEEP WITH REBAR EXPOSED, WITH ADJACENT DELAMINATION AND 1/16 IN. WIDE CRACKING, ON BOTTOM OF CAP BETWEEN COLUMNS 1 AND 2.	3	3	3 Feet
234	Delamination/Spall	AREA OF DELAMINATION WITH VERTICAL 1/16 IN. CRACKING IN BAY 2 SPAN 1 SIDE NEAR TOP OF CAP.	3	1	1 Feet
234	Delamination/Spall	BENT 1 CAP, BAY 2, TOP SIDE HAS A SPALL AT THE STEPUP, 6 IN. WIDE X 5 IN. HIGH WITH EXPOSED REBAR, WITH ADJACENT 1/16 IN. WIDE CRACK	3	1	1 Feet
234	Delamination/Spall	BENT 1 CAP, SPAN 2 SIDE LEFT END HAS A SPALL, 16 IN. LONG X 1 FT. HIGH X 8 IN. WIDE WITH REBAR EXPOSED, ALSO HAS ADJACENT DELAMINATION, 7 IN. WIDE X 20 IN. HIGH, WITH RUST STAINS AND EFFLO.	3	1	1 Feet
234	Delamination/Spall	DELAMINATION 3 FT. LONG X 1 FT. HIGH X 3 IN. ON TOP OF CAP ON SPAN 1 SIDE UNDER BEAM 2.	3	3	3 Feet
234	Delamination/Spall	DELAMINATION 30 IN. LONG X 2 FT. HIGH WITH 1/16 IN WIDE MAP CRACKING ON SPAN 1 FACE UNDER BEAM 3.	3	2	2 Feet
234	Cracking (RC and Other)	BENT 1 CAP, SPAN 2 SIDE IN BAY 3, HAS A VERTICAL HAIRLINE CRACK, 2.5 FT. HIGH, OVER COLUMN 3	2	1	1 Feet
234	Delamination/Spall	BENT 1 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, 10 IN. IN DIAMETER, NEAR TOP EDGE, UNDER BEAM 2	2	1	1 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	49	41	0	8	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
215	Delamination/Spall	18" X 6" X 2" SPALL AT ENDS OF BEAMS 4, CURTAIN WALL, SIMILAR AT BEAMS 1, 2, AND 3	3	8	8 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	39	20	0	19	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	END BENT 2 CAP, BAY 1 HAS A HORIZONTAL CRACK IN THE FACE OF THE CAP, NEAR TOP EDGE, UP TO 1/8 IN. WIDE X 6 FT. LONG	3	6	6 Feet

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234	Cracking (RC and Other)	END BENT 2 CAP, BAY 2 HAS A HORIZONTAL CRACK IN THE FACE OF THE CAP, NEAR TOP EDGE, UP TO 3/14 IN. WIDE X 8 FT. LONG, WITH RUST STAINS	3	8	8 Feet
234	Cracking (RC and Other)	END BENT 2 CAP, BAY 3 HAS A HORIZONTAL CRACK IN THE FACE OF THE CAP, NEAR TOP EDGE, UP TO 1/4 IN. WIDE X 5 FT. LONG	3	5	5 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	39	14	2	23	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 2 VERTICAL CRACKS IN THE FACE OF THE CAP, OVER COLUMN 2, 3 FT. HIGH X 1/16 IN. WIDE	3	2	2 Feet
234	Cracking (RC and Other)	BENT 2 CAP, SPAN 3 SIDE HAS A 1/16 IN. WIDE VERTICAL CRACK RUNNING DOWN THE FACE OF THE CAP, ABOVE COLUMN 3, WITH ADJACENT DELAMINATION, 1 FT. WIDE X 2 FT. HIGH	3	1	1 Feet
234	Delamination/Spall	BENT 2 CAP, BETWEEN COLUMNS 1 AND 2, ON THE BOTTOM HAS A AREA OF DELAMINATION, 24 IN. WIDE X 6 FT. LONG	3	6	6 Feet
234	Delamination/Spall	BENT 2 CAP, BETWEEN COLUMNS 2 AND 3 HAS AN AREA OF DELAMINATION ON THE BOTTOM OF THE CAP, 33 IN. WIDE X 4 FT. LONG	3	4	4 Feet
234	Delamination/Spall	BENT 2 CAP, BETWEEN COLUMNS 2 AND 3, SPALL, 2 FT. IN DIAMETER X 3 IN. DEEP WITH REBAR EXPOSED	3	2	2 Feet
234	Delamination/Spall	BENT 2 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 1, 3 FT. LONG X 2 FT. HIGH WITH 1/8 IN. WIDE CRACKING	3	3	3 Feet
234	Delamination/Spall	BENT 2 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION ON THE FACE OF THE CAP IN BAY 2, NEAR GIRDER 3, 10 IN. LONG X 1.5 FT. HIGH, WITH 1/16 IN. WIDE VERTICAL CRACKING	3	1	1 Feet
234	Delamination/Spall	BENT 2 CAP, SPAN 3 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP ABOVE COLUMN 3, 4 FT. WIDE X 2 FT. HIGH, WITH RUST STAINS	3	4	4 Feet
234	Cracking (RC and Other)	BENT 2 CAP, SPAN 3 SIDE, HAS A HAIRLINE VERTICAL CRACK IN THE FACE OF THE CAP UNDER BEAM 3, 36 IN. HIGH	2	1	1 Feet
234	Delamination/Spall	BENT 2 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 1, NEAR GIRDER 1, 14 IN. LONG X 12 IN. HIGH, WITH HAIRLINE VERTICAL CRACKING	2	1	1 Feet

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	49	41	0	8	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
215	Delamination/Spall	18" X 6" X 2" SPALL AT ENDS OF BEAMS 1, 2, 3, AND 4 IN CURTAIN WALL.	3	8	8 Feet

General Comments

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	39	8	4	27	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	BENT 3 CAP, SPAN 3 SIDE HAS 2- 1/16 IN. WIDE DIAGONAL CRACKS IN THE FACE UNDER BEAM 3, 3 FT. LONG	3	2	2 Feet
234	Delamination/Spall	BENT 3 CAP, SPAN 3 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP NEAR THE BOTTOM, 3 FT. LONG X 1 FT. HIGH AND ON THE BOTTOM BETWEEN COLUMNS 1 AND 2, FULL WIDTH X 7 FT. LONG	3	7	7 Feet
234	Delamination/Spall	BENT 3 CAP, SPAN 4 SIDE HAS A SPALL ON THE BOTTOM CORNER, BETWEEN PILES 1 AND 2, 5 IN. HIGH ON THE FACE AND 12 IN. ACROSS THE BOTTOM X 1.5 IN. DEEP WITH REBAR EXPOSED	3	5	5 Feet
234	Delamination/Spall	BENT 3 CAP, SPAN 4 SIDE HAS A SPALL ON THE FACE OF THE CAP IN BAY 3, NEAR TOP EDGE, 12 IN. WIDE X 16 IN. HIGH X 1 IN. DEEP WITH REBAR EXPOSED	3	1	1 Feet
234	Delamination/Spall	BENT 3 CAP, SPAN 4 SIDE HAS A SPALL ON THE FACE OF THE CAP UNDER BEAM 2, 12 IN. WIDE X 28 IN. HIGH X 1 IN. DEEP, WITH REBAR EXPOSED	3	1	1 Feet
234	Delamination/Spall	BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION 6 FT. LONG X 8 IN. DOWN THE FACE X 2 FT. ACROSS THE TOP IN BAY 3	3	6	6 Feet
234	Delamination/Spall	BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP OVER COLUMN 2, 5 FT. LONG, 10 IN. DOWN THE FACE X 5 IN. ACROSS THE TOP, WITH 1/4 IN. WIDE HORIZONTAL CRACKING	3	5	5 Feet
234	Cracking (RC and Other)	BENT 3 CAP, SPAN 4 SIDE HAS A 2 FT. X 2 FT. AREA OF HAIRLINE MAP CRACKING IN THE FACE OF THE CAP UNDER BEAM 1	2	2	2 Feet
234	Delamination/Spall	BENT 3 CAP, SPAN 3 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 1, NEAR GIRDER 1, 10 IN. LONG X 6 IN. HIGH AT TOP EDGE, WITH HAIRLINE MAP CRACKING	2	1	1 Feet
234	Delamination/Spall	BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 3, NEAR GIRDER 4, 10 IN. WIDE X 20 IN. LONG	2	1	1 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	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	BENT 3, PILE 1, HAS A SPALL ON THE SOUTH EAST CORNER, 4 IN. WIDE X 1 FT. HIGH X 3/4 IN. DEEP, 11 FT. FROM BOTTOM OF THE CAP	2	1	1 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 A 6 IN. X 1/2 IN. DEEP DIAMETER SPALL ON THE EAST FACE, 1 FT. BELOW THE BOTTOM OF THE CAP WITH REBAR EXPOSED	3	1	1	Each

General Comments

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Cracking (RC and Other)	BENT 3, PILE 3 HAS A VERTICAL CRACK, 1/16 IN. WIDE ON THE EAST FACE, 2 FT. LONG, 1 FT. BELOW THE BOTTOM OF THE CAP	3		2	Each
205	Abrasion/Wear (PSC/RC)	BENT 3, PILE 3 HAS AN AREA OF AGGREGATE EXPOSED ON THE SOUTH EAST CORNER, AT THE GROUNDLINE, 16 IN. HIGH X 4 IN. WIDE	2	1	1	Each
205	Delamination/Spall	BENT 3, PILE 3 HAS AN AREA OF DELAMINATION ON THE EAST FACE, 6 IN. WIDE X 10 IN. HIGH, 1 FT. BELOW BOTTOM OF THE CAP	2		1	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	39	8	0	31	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Delamination/Spall	BENT 4 CAP SPAN 5 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, IN BAY 2, 7 FT. LONG X 2. 833 FT. ACROSS THE TOP X 3 FT. DOWN THE FACE	3	7	7	Feet
234	Delamination/Spall	BENT 4 CAP, HAS AN AREA OF DELAMINATION IN THE BOTTOM BETWEEN PILES 1 AND 2, 20 IN. WIDE X 6 FT. LONG	3	6	6	Feet
234	Delamination/Spall	BENT 4 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION ON THE FACE OF THE CAP, 6 FT. LONG X 2 FT. DOWN THE FACE X 6 IN. ACROSS THE TOP, IN BAY 1, ADJACENT TO BEAM 2	3	6	6	Feet
234	Delamination/Spall	BENT 4 CAP, SPAN 5 SIDE HAS AREA OF DELAMINATION UNDER BAY 1, 12 FT, LONG X 2 FT. DOWN THE FACE X 1 FT. ACROSS THE TOP, WITH 1/4 IN. WIDE CRACKING	3	12	12	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	Cracking (RC and Other)	BENT 4, PILE 1 HAS A VERTICAL CRACK ON THE NORTH EAST FACE, 1/4 IN. WIDE X 4 FT. HIGH, WITH ADJACENT DELAMINATION, 3.5 FT. HIGH X 6 IN. WIDE	3	1	4	Each
205	Cracking (RC and Other)	BENT 4, PILE 1 HAS A VERTICAL HAIRLINE CRACK IN THE SOUTH EAST FACE, 16 IN. HIGH, 2 FT. BELOW THE BOTTOM OF THE CAP	2		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	868	558	250	60	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
321	Cracking (RC and Other)	APPROACH SLAB 1, HAS A LONGITUDINAL CRACK ON BOTH SIDES OF THE SLAB AT THE GUTTER LINE 1/4 IN. WIDE X 30 FT. LONG	3	60	60	Square Feet
321	Cracking (RC and Other)	APPROACH SLAB 1 HAS 250 SQ. FT. OF HAIRLINE MAP CRACKING THRU OUT SLAB	2	250	250	Square Feet

General Comments

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2022
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	61
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	61
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	61
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	61
Span 1	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	61
Span 1	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	61
Span 1	Expansion Joint	Standard Joint	Strip Seal Expansion Joint	40
Span 1	Expansion Joint	Standard Joint	Pourable Joint Seal	40
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2758
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	83
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	83
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	83
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	83
Span 2	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	83
Span 2	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	83
Span 2	Expansion Joint	Standard Joint	Strip Seal Expansion Joint	40
Span 2	Expansion Joint	Standard Joint	Pourable Joint Seal	40
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2758
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	83
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	83
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	83
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	83
Span 3	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	83
Span 3	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	83
Span 3	Expansion Joint	Standard Joint	Strip Seal Expansion Joint	40
Span 3	Expansion Joint	Standard Joint	Pourable Joint Seal	40
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1

Elements Verified

Location	Name	Component	Element Name	Amount
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1889
Span 4	Beam 1	Plate Girder	Steel Open Girder/Beam	57
Span 4	Beam 2	Plate Girder	Steel Open Girder/Beam	57
Span 4	Beam 3	Plate Girder	Steel Open Girder/Beam	57
Span 4	Beam 4	Plate Girder	Steel Open Girder/Beam	57
Span 4	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	57
Span 4	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	57
Span 4	Expansion Joint	Standard Joint	Strip Seal Expansion Joint	40
Span 4	Expansion Joint	Standard Joint	Pourable Joint Seal	40
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1888
Span 5	Beam 1	Plate Girder	Steel Open Girder/Beam	57
Span 5	Beam 2	Plate Girder	Steel Open Girder/Beam	57
Span 5	Beam 3	Plate Girder	Steel Open Girder/Beam	57
Span 5	Beam 4	Plate Girder	Steel Open Girder/Beam	57
Span 5	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	56
Span 5	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	56
Span 5	Expansion Joint	Standard Joint	Strip Seal Expansion Joint	40
Span 5	Expansion Joint	Standard Joint	Pourable Joint Seal	40
Span 5	Expansion Joint	Standard Joint	Strip Seal Expansion Joint	40
Span 5	Expansion Joint	Standard Joint	Pourable Joint Seal	40
Span 5	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	39
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	39
End Bent 1		Reinforced Concrete Abutment	Reinforced Concrete Abutment	49
Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	39
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	39
End Bent 2		Reinforced Concrete Abutment	Reinforced Concrete Abutment	49
Bent 3		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	39
Bent 3		Reinforced Concrete Column	Reinforced Concrete Column	1
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	39
Bent 4		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4		Reinforced Concrete Column	Reinforced Concrete Column	1

National Bridge and NC Inspection Items

Structure Number: 910252

Inspection Date: 09/15/2016

National Bridge Inventory Items

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

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	F	5100	3376
Drainage System	G, F, P, or C	F	10	3332
Utilities	G, F, P, or C	G		
Slope Protection	G, F, P, or C	G	0	3352
Scour	G, F, P, or C			
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation				
Drift	G, F, P, or C		0	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	12		
Superstructure Paint Code		A		

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

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	15
Traffic Control Time	Hours	5
Snooper Time	Hours	0
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 910252

Inspection Date: 09/15/2016

Item	Deck Debris	Grade	F	Maint Code	3376	Qty.	5100
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Details DEBRIS ON BOTH SIDES OF THE DECK IN SPANS 1 AND 5

Item	Drainage System	Grade	F	Maint Code	3332	Qty.	10
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Details DRAINAGE AT THE SOUTH WEST CORNER OF THE BRIDGE IS PARTIALLY CLOGGED WITH DEBRIS

Item	Utilities	Grade	G	Maint Code		Qty.	0
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Details ABANDONED UTILITY AT END BENTS 1 AND 2, BAY 3



SPAN 3, BENT 2, BENT DIAPHRAGM HAS A SPALL ON THE BOTTOM UNDER THE LEFT OVERHANG, 5 IN. HIGH X 35 IN. LONG X 4 IN. DEEP WITH EXPOSED REBAR



Span 2 Beam 1: SPAN 2, BEAM 1 AT BENT 2 HAS 1/4 IN. X FULL WIDTH SECTION LOSS FROM PREVIOUS RUST ON THE LEFT BOTTOM FLANGE FROM THE BEAM END OUT 6 FT. THE LEFT WEB HAS 1/4 IN. LOSS FROM PREVIOUS RUST AT THE CONCRETE DIAPHRAGM CONNECTION, 1 IN. WIDE X 11 IN. LONG AND SECTION LOSS ON THE LOWER WEB, 4 IN. HIGH X 6 FT. LONG. BEAM HAS BEEN CLEANED AND PAINTED.



Span 2 Beam 1 Far Bearing: SPAN 2, BENT 2, FAR BEARING, BOTH ANCHOR NUTS ARE UP TO 60% RUSTED AWAY DUE TO PREVIOUS RUST. BEARING HAS BEEN CLEANED AND PAINTED.



Span 3 Beam 1 Near Bearing: SPAN 3, BENT 2, BEAM 1, NEAR BEARING, FRECKLED RUST HAS STARTED



Bent 2 Cap 1: BENT 2 CAP, BETWEEN COLUMNS 1 AND 2 HAS A AREA OF DELAMINATION, 24 IN. WIDE X 6 FT. LONG



SPAN 3, BENT 2, BAY 1, BENT DIAPHRAGM HAS A CRACK ON THE BOTTOM, 1/4 IN. WIDE X FULL LENGTH



SPAN 3, BENT 2, BAY 2, BENT DIAPHRAGM HAS A SPALL ON THE BOTTOM, 10 IN. WIDE X 14 IN. LONG X 2 IN. DEEP WITH REBAR EXPOSED



SPAN 3, BENT 2, BAY 2, BENT DIAPHRAGM HAS 1/4 IN. WIDE HORIZONTAL CRACKING ON THE BOTTOM, 6 FT. LONG



Bent 2 Cap 1: BENT 2 CAP, SPAN 3 SIDE HAS 2 VERTICAL CRACKS IN THE FACE OF THE CAP, OVER COLUMN 2, 3 FT. HIGH X 1/16 IN. WIDE



Bent 2 Cap 1: BENT 2 CAP, BETWEEN COLUMNS 2 AND 3, SPALL, 2 FT. IN DIAMETER X 3 IN. DEEP WITH REBAR EXPOSED



SPAN 3, BENT 2, BAY 3, BENT DIAPHRAGM HAS LONGITUDINAL CRACKING ON THE BOTTOM, 1/8 IN. WIDE X 4 FT. LONG



Bent 2 Cap 1: BENT 2 CAP, SPAN 3 SIDE, HAS A HAIRLINE VERTICAL CRACK IN THE FACE OF THE CAP UNDER BEAM 3, 36 IN. HIGH



Bent 2 Cap 1: BENT 2 CAP, SPAN 3 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP ABOVE COLUMN 3, 4 FT. WIDE X 2 FT. HIGH, WITH RUST STAINS



Bent 2 Cap 1: BENT 2 CAP, BETWEEN COLUMNS 2 AND 3 HAS AN AREA OF DELAMINATION ON THE BOTTOM OF THE CAP, 33 IN. WIDE X 4 FT. LONG



SPAN 3, BENT 2, BAY 3, BENT DIAPHRAGM HAS A SPALL ON THE BOTTOM, 8 IN. WIDE X 15 IN. LONG X 2.5 IN. DEEP, WITH REBAR EXPOSED, LEFT OF GIRDER 4



Bent 2 Cap 1: BENT 2 CAP, SPAN 3 SIDE HAS A 1/16 IN. WIDE VERTICAL CRACK RUNNING DOWN THE FACE OF THE CAP, ABOVE COLUMN 3, WITH ADJACENT DELAMINATION, 1 FT. WIDE X 2 FT. HIGH



SPAN 3, BENT 2, BENT DIAPHRAGM UNDER THE RIGHT OVERHANG HAS A SPALL, 1 FT. WIDE X 30 IN. LONG X 3 IN. DEEP, WITH REBAR EXPOSED



END BENT 2 APPROACH HAS 23 SQ. FT. OF 1/2 IN. WIDE TRANSVERSE CRACKING



Span 5 Deck: SPAN 5, TOP OF DECK HAS A TRANSVERSE CRACK 1/8 IN. WIDE X 9 FT. LONG IN THE LEFT LANE, ADJACENT TO END BENT 2 JOINT



Span 5 Deck: SPAN 5, TOP OF DECK HAS A TRANSVERSE CRACK UP TO 1 IN. WIDE X 9 FT. LONG IN THE RIGHT LANE, ADJACENT TO END BENT 2 JOINT



Span 5 Deck: SPAN 5, TOP OF DECK HAS 120 SQ FT. OF HAIRLINE TRANSVERSE CRACKING, NEAR END BENT 2



End Bent 2 Cap 1: END BENT 2 CAP, BAY 3 HAS A HORIZONTAL CRACK IN THE FACE OF THE CAP, NEAR TOP EDGE, UP TO 1/4 IN. WIDE X 5 FT. LONG



End Bent 2 Cap 1: END BENT 2 CAP, BAY 2 HAS A HORIZONTAL CRACK IN THE FACE OF THE CAP, NEAR TOP EDGE, UP TO 3/16 IN. WIDE X 8 FT. LONG, WITH RUST STAINS



End Bent 2 Cap 1: END BENT 2 CAP, BAY 1 HAS A HORIZONTAL CRACK IN THE FACE OF THE CAP, NEAR TOP EDGE, UP TO 1/8 IN. WIDE X 6 FT. LONG



SPAN 5, BENT 4, BENT DIAPHRAGM UNDER THE LEFT OVERHANG HAS A SPALL, 20 IN. LONG X 8 IN. HIGH X 6 IN. DEEP WITH EXPOSED REBAR AND ADJACENT DELAMINATION, 16 IN. HIGH X 14 IN. WIDE



Span 5 Beam 1: SPAN 5, BENT 4, BEAM 1 HAS UP TO 1/8 IN. SECTION LOSS ON THE BOTTOM FLANGE, FULL WIDTH X 1 FT. LONG AT THE BEARING AREA, AND THE WEB AT THE DIAPHRAGM CONNECTION DUE TO PREVIOUS RUST. BEAM HAS BEEN CLEANED AND PAINTED.



Bent 4 Pile 1: BENT 4, PILE 1 HAS A VERTICAL CRACK ON THE NORTH EAST FACE, 1/4 IN. WIDE X 4 FT. HIGH, WITH ADJACENT DELAMINATION, 3.5 FT. HIGH X 6 IN. WIDE



Span 4 Beam 1: SPAN 4, BEAM 1 HAS UP TO 3/16 IN. SECTION LOSS FROM PREVIOUS RUST ON THE BOTTOM FLANGE X FULL WIDTH X 5 FT. LONG. BEAM HAS BEEN CLEANED AND PAINTED.



Bent 4 Pile 1: BENT 4, PILE 1 HAS A VERTICAL HAIRLINE CRACK IN THE SOUTH EAST FACE, 16 IN. HIGH, 2 FT. BELOW THE BOTTOM OF THE CAP



Span 5 Beam 2: SPAN 5, BENT 4, BEAM 2 HAS UP TO 1/4 IN. SECTION LOSS FROM PREVIOUS RUST ON THE BOTTOM FLANGE AT THE BEARING AREA, 2 FT. LONG X FULL WIDTH OF BOTTOM FLANGE, AND UP TO 1/4 IN. LOSS IN THE WEB AT THE DIAPHRAGM CONNECTION DUE TO PREVIOUS RUST. BEAM HAS BEEN CLEANED AND PAINTED.



SPAN 5, BENT 4, BAY 1, BENT DIAPHRGM IS CRACKED AND SPALLED WITH DELAMINATION, FULL WIDTH OF THE BOTTOM X 8 IN. HIGH, WITH EXPOSED REBAR



Bent 4 Cap 1: BENT 4 CAP, SPAN 5 SIDE HAS AREA OF DELAMINATION UNDER BAY 1, 12 FT, LONG X 2 FT. DOWN THE FACE X 1 FT. ACROSS THE TOP, WITH 1/4 IN. WIDE CRACKING



Bent 4 Cap 1: BENT 4 CAP, HAS AN AREA OF DELAMINATION IN THE BOTTOM BETWEEN PILES 1 AND 2, 20 IN. WIDE X 6 FT. LONG



Bent 4 Cap 1: BENT 4 CAP SPAN 5 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, IN BAY 2, 7 FT. LONG X 2.83 FT. ACROSS THE TOP X 3 FT. DOWN THE FACE



SPAN 5, BENT 4, BAY 2, BENT DIAPHRAGM HAS A SPALL ON THE BOTTOM SECTION, FULL LENGTH X FULL WIDTH X 4 IN. DEEP WITH EXPOSED REBAR



Span 5 Beam 4 Near Bearing: SPAN 5, BEAM 4, NEAR BEARING, HAS 1/8 IN. SECTION LOSS FROM PREVIOUS RUST AND PACK RUST STARTING



Span 5 Beam 4: SPAN 5, BENT 4, BEAM 4 HAS 3/8 IN. SECTION LOSS ON THE BOTTOM FLANGE AT THE BEARING AREA FROM PREVIOUS RUST X FULL WIDTH X 3 FT. LONG. BEAM HAS BEEN CLEANED AND PAINTED.



SPAN 5, BENT 4, BAY 3 BENT DIAPHRAGM HAS A SPALL ON THE BOTTOM, FULL WIDTH X 8 IN. HIGH X 4 IN. DEEP X 8 FT. LONG WITH REBAR EXPOSED



SPAN 5, BENT 4, BENT DIAPHRAGM IN THE RIGHT OVERHANG HAS A SPALL 33 IN. LONG X 3 IN. WIDE X 4 IN. DEEP WITH REBAR EXPOSED



Bent 4 Cap 1: BENT 4 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION ON THE FACE OF THE CAP, 6 FT. LONG X 2 FT. DOWN THE FACE X 6 IN. ACROSS THE TOP, IN BAY 1, ADJACENT TO BEAM 2



Span 4 Beam 2 Far Bearing: SPAN 4, BEAM 2, FAR BEARING, HAS 1/16 IN. SECTION LOSS FROM PREVIOUS RUST, BEARING HAS BEEN CLEANED AND PAINTED. FRECKLED RUST IS STARTING



SPAN 4, BENT 4, BAY 2 BENT DIAPHRAGM HAS DELAMINATION ON THE BOTTOM, FULL WIDTH X 6 IN. UP THE FACE, WITH A SPALL, 2 FT. LONG X 3 IN. WIDE X 2 IN. DEEP WITH EXPOSED REBAR



Span 4 Beam 4: SPAN 4, BENT 4, BEAM 4 HAS UP TO 3/16 IN. SECTION LOSS FROM PREVIOUS RUST ON THE BOTTOM FLANGE X FULL WIDTH X 10 FT. LONG. BEAM HAS BEEN CLEANED AND PAINTED.



Bent 3 Pile 3: BENT 3, PILE 3 HAS AN AREA OF AGGREGATE EXPOSED ON THE SOUTH EAST CORNER, AT THE GROUNDLINE, 16 IN. HIGH X 4 IN. WIDE



DEBRIS ON BOTH SIDES OF THE DECK IN SPANS 1 AND 5



DRAIN AT THE SOUTH WEST CORNER OF THE BRIDGE IS PARTIALLY CLOGGED WITH DEBRIS



Approach 1: APPROACH SLAB 1 HAS 250 SQ. FT. OF HAIRLINE MAP CRACKING THRU OUT SLAB



Approach 1: APPROACH SLAB 1, HAS A LONGITUDINAL CRACK ON BOTH SIDES OF THE SLAB AT THE GUTTER LINE 1/4 IN. WIDE X 30 FT. LONG



Bent 2 Cap 1: BENT 2 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 1, NEAR GIRDER 1, 14 IN. LONG X 12 IN. HIGH, WITH HAIRLINE VERTICAL CRACKING



SPAN 2, BENT 2, BAY 1, BENT DIAPHRAGM HAS AN AREA OF DELAMINATION ON THE BOTTOM NEAR GIRDER 1, 2.5 FT. LONG X FULL WIDTH X 3 IN. HIGH



Bent 2 Cap 1: BENT 2 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 1, 3 FT. LONG X 2 FT. HIGH WITH 1/8 IN. WIDE CRACKING



SPAN 2, BENT 2, BAY 1, BENT DIAPHRAGM HAS A SPALL ON THE BOTTOM, 3 IN. WIDE X 6 IN. LONG X .5 IN. DEEP WITH REBAR EXPOSED



SPAN 2, BENT 2, BAY 2, BENT DIAPHRAGM HAS AN AREA OF DELAMINATION ON THE BOTTOM, 3 FT. LONG X FULL WIDTH X 4 IN. HIGH ON THE FACE



Bent 2 Cap 1: BENT 2 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION ON THE FACE OF THE CAP IN BAY 2, NEAR GIRDER 3, 10 IN. LONG X 1.5 FT. HIGH, WITH 1/16 IN. WIDE VERTICAL CRACKING



SPAN 2, BENT 2, BAY 3, BENT DIAPHRAGM HAS AN AREA OF DELAMINATION ON THE BOTTOM, 3.5 FT. LONG X FULL WIDTH X 5 IN. HIGH ON THE FACE, WITH 1/4 IN. WIDE CRACKING



SPAN 2, BENT 2, BAY 3, BENT DIAPHRAGM HAS AN AREA OF DELAMINATION ON THE BOTTOM, 4 FT. LONG X FULL WIDTH X 8 IN. HIGH ON THE FACE, WITH 1/4 IN. WIDE CRACKING



SPAN 2, BENT 2, BENT DIAPHRAGM IN THE RIGHT OVERHANG HAS A SPALL, 8 IN. LONG X 10 IN. HIGH X 4 IN. DEEP WITH REBAR EXPOSED



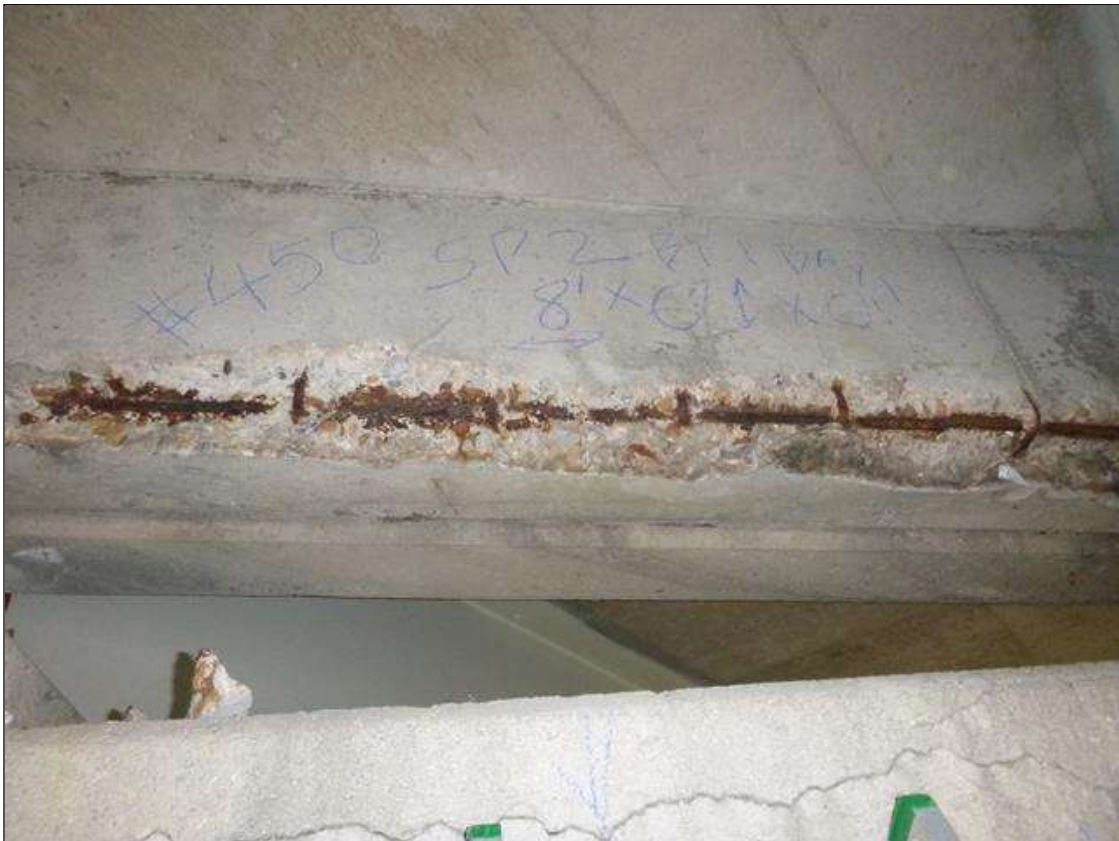
SPAN 2, BENT 1, BENT DIAPHRAGM IN THE LEFT OVERHANG IS SPALLED, 2.5 FT. LONG X 18 IN. HIGH X 6 IN. DEEP, WITH REBAR EXPOSED



Bent 1 Cap 1: BENT 1 CAP, SPAN 2 SIDE LEFT END HAS A SPALL, 16 IN. LONG X 1 FT. HIGH X 8 IN. WIDE WITH REBAR EXPOSED, ALSO HAS ADJACENT DELAMINATION, 7 IN. WIDE X 20 IN. HIGH, WITH RUST STAINS AND EFFLO.



Bent 1 Cap 1: BENT 1 CAP, SPAN 2 SIDE HAS A HORIZONTAL CRACK, 1/4 IN. WIDE X 11 FT. LONG IN BAY 1, NEAR TOP EDGE



SPAN 2, BENT 1, BAY 1, BENT DIAPHRAGM HAS A SPALL ON THE BOTTOM CORNER, 8 FT. LONG X 6 IN. HIGH ON THE FACE X 6 IN. ACROSS THE BOTTOM, WITH REBAR EXPOSED



Bent 1 Cap 1: BENT 1 CAP, SPAN 2 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP, 10 IN. IN DIAMETER, NEAR TOP EDGE, UNDER BEAM 2



SPAN 2, BENT 1, BAY 2, BENT DIAPHRAGM HAS AN AREA OF DELAMINATION ON THE BOTTOM, 3 FT. LONG X FULL WIDTH X 5 IN. HIGH, WITH SPALL 6 FT. LONG X FULL WIDTH X 5 IN. DEEP WITH REBAR EXPOSED



Bent 1 Cap 1: BENT 1 CAP, BAY 2, TOP SIDE HAS A SPALL AT THE STEPUP, 6 IN. WIDE X 5 IN. HIGH WITH EXPOSED REBAR, WITH ADJACENT 1/16 IN. WIDE CRACK



Span 1 Beam 3 Far Bearing: SPAN 1, BEAM 3, FAR BEARING, BOTH ANCHORS ARE MISSING



Bent 1 Cap 1: BENT 1 CAP, SPAN 2 SIDE IN BAY 3, HAS A VERTICAL HAIRLINE CRACK, 2.5 FT. HIGH, OVER COLUMN 3



SPAN 2, BENT 1, BAY 3, BENT DIAPHRAGM HAS A SPALL, 9 FT. LONG X 6 IN. UP THE FACE X 6 IN. ACROSS THE BOTTOM X 3 IN. DEEP WITH REBAR EXPOSED, ALSO WITH 5 FT. OF DELAMINATION ON THE BOTTOM.



Span 1 Beam 4 Far Bearing: SPAN 1, BEAM 4, FAR BEARING HAS AN ANCHOR BOLT MISSING ON THE LEFT SIDE



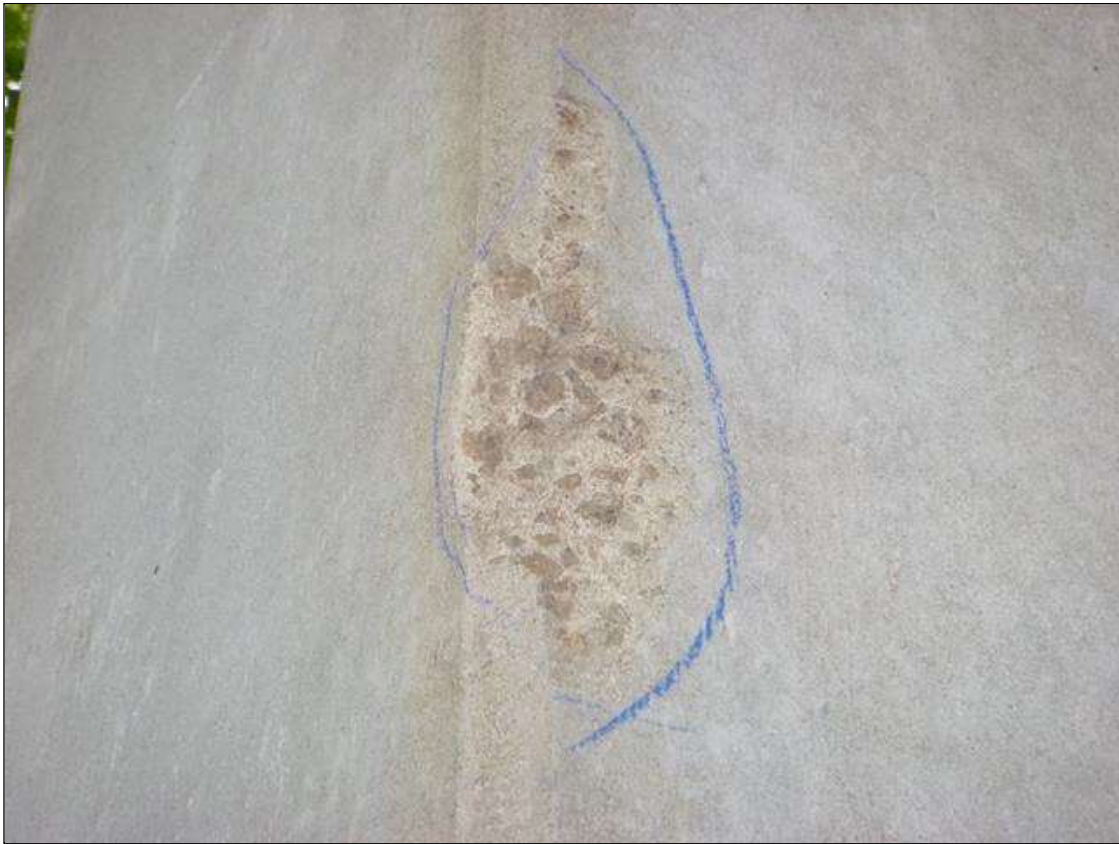
SPAN 3, BENT 3, BAY 1, BENT DIAPHRAGM HAS AN AREA OF DELAMINATION ON THE FACE NEAR BEAM 1, 16 IN. LONG X 8 IN. HIGH, WITH 1/16 IN. WIDE ADJACENT CRACKING



Bent 3 Cap 1: BENT 3 CAP, SPAN 3 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 1, NEAR GIRDER 1, 10 IN. LONG X 6 IN. HIGH AT TOP EDGE, WITH HAIRLINE MAP CRACKING



Bent 3 Cap 1: BENT 3 CAP, SPAN 3 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP NEAR THE BOTTOM, 3 FT. LONG X 1 FT. HIGH AND ON THE BOTTOM BETWEEN COLUMNS 1 AND 2, FULL WIDTH X 7 FT. LONG



Bent 3 Pile 1: BENT 3, PILE 1, HAS A SPALL ON THE SOUTH EAST CORNER, 4 IN. WIDE X 1 FT. HIGH X 3/4 IN. DEEP, 11 FT. FROM BOTTOM OF THE CAP



SPAN 3, BENT 3, BAY 2, BENT DIAPHRAGM, HAS AREA OF DELAMINATION ON THE BOTTOM, FULL WIDTH X 5 IN. HIGH X 6 FT. LONG, WITH 1/16 IN. WIDE CRACKING



Bent 3 Cap 1: BENT 3 CAP, SPAN 3 SIDE HAS 2- 1/16 IN. WIDE DIAGONAL CRACKS IN THE FACE UNDER BEAM 3, 3 FT. LONG



Bent 3 Pile 2: BENT 3, PILE 2 HAS A 6 IN. X 1/2 IN. DEEP DIAMETER SPALL ON THE EAST FACE, 1 FT. BELOW THE BOTTOM OF THE CAP WITH REBAR EXPOSED



Bent 3 Pile 3: BENT 3, PILE 3 HAS AN AREA OF DELAMINATION ON THE EAST FACE, 6 IN. WIDE X 10 IN. HIGH, 1 FT. BELOW BOTTOM OF THE CAP



SPAN 3, BENT 3, BENT DIAPHRAGM IN THE RIGHT OVERHANG HAS A SPALL, 8 IN. WIDE X 1 FT. HIGH X 4 IN. DEEP, WITH REBAR EXPOSED, WITH ADJACENT DELAMINATION, 2.5 FT. WIDE X 6 IN. HIGH



Span 3 Beam 4: SPAN 3, BENT 3, BEAM 4 HAS 3/16 IN. SECTION LOSS FROM PREVIOUS RUST ON THE BOTTOM FLANGE X FULL WIDTH FROM THE BEAM END OUT 3 FT. THE WEB HAS UP TO 3/16 IN. SECTION LOSS AROUND THE CONCRETE DIAPHRAGM CONNECTION FROM PREVIOUS RUST. BEAM HAS BEEN CLEANED AND PAINTED



SPAN 4, BENT 3, BENT DIAPHRAGM IN THE RIGHT OVERHANG HAS A SPALL, 2.5 FT. LONG X 6 IN. HIGH X FULL DEPTH, WITH REBAR EXPOSED



Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP IN BAY 3, NEAR GIRDER 4, 10 IN. WIDE X 20 IN. LONG



Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS A SPALL ON THE FACE OF THE CAP IN BAY 3, NEAR TOP EDGE, 12 IN. WIDE X 16 IN. HIGH X 1 IN. DEEP WITH REBAR EXPOSED



Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION 6 FT. LONG X 8 IN. DOWN THE FACE X 2 FT. ACROSS THE TOP IN BAY 3



Bent 3 Pile 3: BENT 3, PILE 3 HAS A VERTICAL CRACK, 1/16 IN. WIDE ON THE EAST FACE, 2 FT. LONG, 1 FT. BELOW THE BOTTOM OF THE CAP



Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS AN AREA OF DELAMINATION IN THE FACE OF THE CAP OVER COLUMN 2, 5 FT. LONG, 10 IN. DOWN THE FACE X 5 IN. ACROSS THE TOP, WITH 1/4 IN. WIDE HORIZONTAL CRACKING



SPAN 4, BENT 3, BAY 2, BENT DIAPHRAGM HAS DELAMINATION ON THE BOTTOM, FULL WIDTH X 6 IN. HIGH X 6 FT. LONG



Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS A SPALL ON THE FACE OF THE CAP UNDER BEAM 2, 12 IN. WIDE X 28 IN. HIGH X 1 IN. DEEP, WITH REBAR EXPOSED



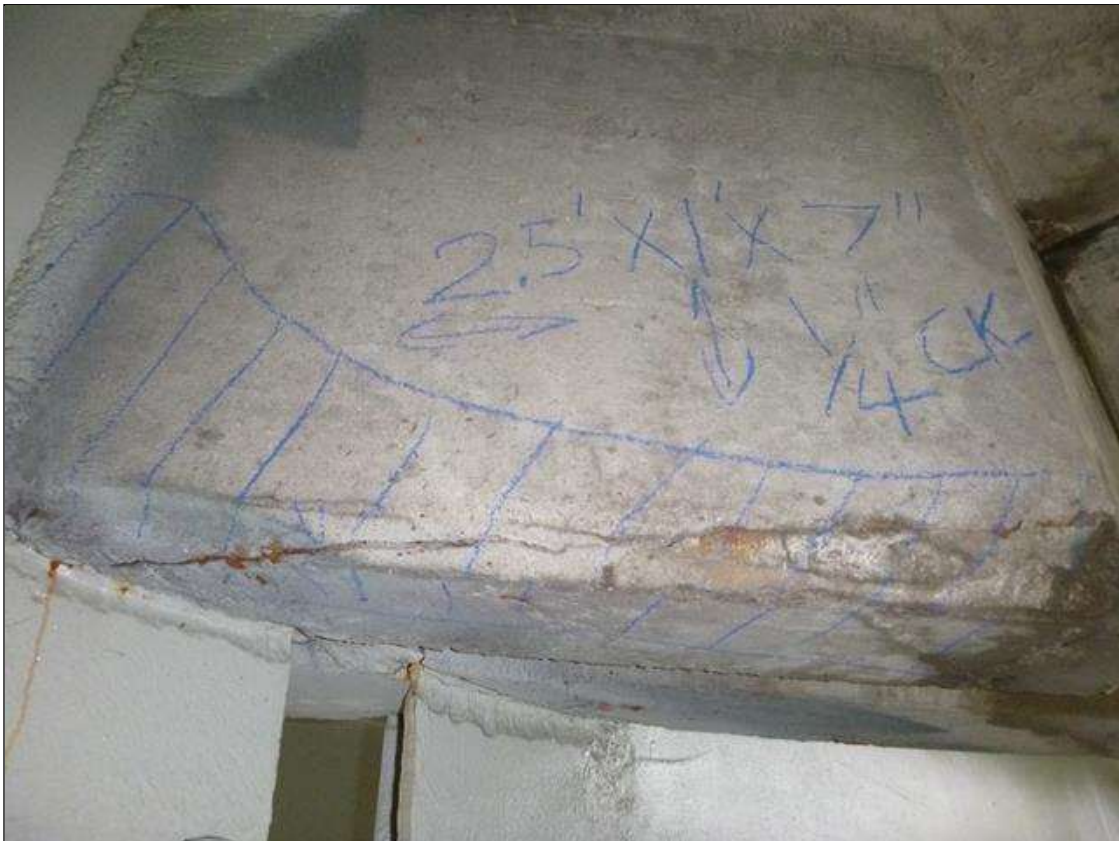
SPAN 4, BENT 3, BAY 1, BENT DIAPHRAGM HAS AREA OF DELAMINATION ON THE BOTTOM, FULL WIDTH X 5 FT. LONG X 5 IN. HIGH ON THE FACE



Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS A SPALL ON THE BOTTOM CORNER, BETWEEN PILES 1 AND 2, 5 IN. HIGH ON THE FACE AND 12 IN. ACROSS THE BOTTOM, X 2 IN. DEEP WITH REBAR EXPOSED



Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS A 2 FT. X 2 FT. AREA OF HAIRLINE MAP CRACKING IN THE FACE OF THE CAP UNDER BEAM 1



SPAN 4, BENT 3, BENT DIAPHRAGM IN THE LEFT OVERHANG HAS AREA OF DELAMINATION, 2 FT. LONG X 1 FT. HIGH X 6 IN. DEEP ACROSS THE BOTTOM, WITH 1/4 IN. WIDE CRACKING



Span 1 Deck: TRANSVERSE HAIRLINE CRACKING, THROUGHOUT THE SPAN.



Expansion Joint : BENT 2 EXPANSION JOINT SEPARATED FROM EACH SIDE OF THE DECK AND LEAKING



Bent 1 Cap 1: HORIZONTAL CRACK, 1/16 IN. WIDE X 2 FT. LONG, NEAR TOP OF THE CAP ON SPAN 1 SIDE UNDER BEAM 1.



Bent 1 Cap 1: HORIZONTAL CRACK 1/8 IN. WIDE X 4 FT. LONG NEAR TOP OF CAP ON SPAN 1 FACE NEAR BEAM 2.



Bent 1 Pile 1: 2-VERTICAL CRACKS, 1/16 IN. WIDE X 4 FT. LONG ON SOUTH FACE OF COLUMN NEAR CAP.



Bent 1 Cap 1: 2- SPALLS ON THE BOTTOM OF 1- 18 IN. DIAMETER AND 1- 8 IN., DIAMETER, BOTH 1 IN. DEEP WITH REBAR EXPOSED, WITH ADJACENT DELAMINATION AND 1/16 IN. WIDE CRACKING, ON BOTTOM OF CAP BETWEEN COLUMNS 1 AND 2.



Bent 1 Cap 1: DELAMINATION 3 FT. LONG X 1 FT. HIGH X 3 IN. ON TOP OF CAP ON SPAN 1 SIDE UNDER BEAM 2.



Bent 1 Pile 2: 2-VERTICAL CRACKS, 1/8 IN. WIDE X 3 FT. LONG ON SOUTH FACE OF COLUMN WITH EFFLO., 2 ON THE EAST FACE WITH EFFLO. AND 2 ON NORTH FACE.



Bent 1 Cap 1: AREA OF DELAMINATION WITH VERTICAL, 1/16 IN. WIDE CRACKING IN BAY 2, SPAN 1 SIDE, NEAR TOP OF CAP.



FRECKLED RUST ON BEARINGS AT BENT 1, BEAM 2



SPAN 1 BENT 1 BAY 2 DIAPHRAGM, SPALL, 3 IN. WIDE X 2 FT. TALL X 1/2 IN. DEEP WITH EXPOSED REBAR



Bent 1 Cap 1: DELAMINATION 30 IN. LONG X 2 FT. HIGH WITH 1/16 IN. WIDE MAP CRACKING ON SPAN 1 FACE UNDER BEAM 3.



Span 1 Beam 4: SECTION LOSS FROM PREVIOUS RUST OF UP TO 3/16 IN. ON THE BOTTOM FLANGE AND ON WEB NEAR DIAPHRAGM. BEAM HAS BEEN CLEANED AND PAINTED.



SPAN 1 BENT 1 RIGHT OVERHANG DIAPHRAGM, SPALL, 8 IN. HIGH X 10 IN. WIDE X 2 IN. DEEP WITH EXPOSED REBAR



SPAN 1 BENT 1 RIGHT OVERHANG DIAPHRAGM, AREA OF DELAMINATION, 18 IN. HIGH X 8 IN. WIDE AT END OF DIAPHRAGM



Bent 1 Pile 3: 6 VERTICAL CRACKS UP TO 1/8 IN. WIDE X 3' LONG, 4 ON SOUTH FACE, 1 EAST FACE AND 1 ON THE NORTH FACE.



End Bent 1 Cap 1: DELAMINATION IN BAY 1, 10 FT. LONG X 8 IN. HIGH X 18 IN. ON TOP, WITH ADJACENT 1/4 IN. CRACK ALONG THE LENGTH.



End Bent 1 Cap 1: DELAMINATION UNDER BEAM 2, 5 FT. LONG X 8 IN. HIGH X 4 IN. ON TOP, WITH ADJACENT 1/4 IN. CRACK ALONG THE LENGTH.



End Bent 1 Cap 1: DELAMINATION IN BAY 2, 4 FT. LONG X 12 IN. HIGH X 4 IN. ON TOP, WITH ADJACENT 1/16 IN. CRACK ALONG THE LENGTH.



End Bent 1 Cap 1: MAP CRACKING ON FACE OF CAP NEAR TOP EDGE ADJACENT TO BEAM 3



End Bent 1 Cap 1: DELAMINATION IN BAY 3, 7 FT. LONG X 12 IN. HIGH X 12 IN. ON TOP, WITH ADJACENT 1/4 IN. CRACK ALONG THE LENGTH.



End Bent 1 Cap 1: DIAGONAL CRACK, 1/16 IN. WIDE X 12 IN. LONG ON FACE OF CAP NEAR BEAM 4



Span 1 Deck: MAP CRACKING ON BOTTOM OF DECK IN BAYS 1,2, AND 3 LESS THAN 6 IN. SPACING THROUGH OUT SPAN.



Span 1 Deck: SPALL 6 IN. X 8 IN. X 3 IN. DEEP AT END BENT 1 SOUTHWEST BACKWALL.



Span 1 Deck: SPALL IN RIGHT OVERHANG NEAR END BENT 1, 20 IN. LONG X 4 IN. WIDE .



End Bent 1 Abutment/Backwall : 18" X 6" X 2" SPALL AT ENDS OF BEAMS 4, CURTAIN WALL, SIMILAR AT BEAMS 1, 2, AND 3



BENT 2, SPAN 3 SIDE



SPANS 2 AND 3, BENT 2, BEAM 3 BEARINGS



EAST APPROACH LOOKING WEST



TOP OF DECK OVER END BENT 2



PLAQUE AT END BENT 2, LEFT SIDE



TYPICAL RAIL IN SPAN 5, LEFT SIDE



ABANDONED UTILITY AT END BENT 2, BAY 3



END BENT 2, RIGHT SIDE



END BENT 2, BEAM 3 BEARING



END BENT 2, LEFT SIDE



SPAN 5, BAY 3, INTERIOR DIAPHRAGM



SPAN 5, BENT 4, BAY 1, BENT DIAPHRAGM



BENT 4, SPAN 5 SIDE



BENT 4 CAP, RIGHT END



TYPICAL BEARINGS AT BENT 4, BEAM 4 IN SPANS 4 AND 5



GUARD RAIL TERMINAL END AT THE SOUTH WEST CORNER



GUARD RAIL TERMINAL END AT THE NORTH WEST CORNER



APPROACH GUARD RAIL POST SPACING, 75 IN. AT THE SOUTH WEST SIDE, SIMILAR AT THE NORTH WEST



WEST APPROACH LOOKING EAST



GUARD RAIL POST SPACING, 1.5 FT. AND ATTACHMENT AT THE SOUTH WEST CORNER OF THE BRIDGE,
NORTH WEST SIMILAR



JOINT AT END BENT 1



BENT 2 SPAN 2 SIDE



SUPERSTRUCTURE IN SPAN 3 LOOKING EAST



SPAN 4, BEAM 2, NEAR BEARING AT BENT 3



BENT 3, SPAN 3 SIDE



EXPANSION JOINT OVER BENT 1



EXPANSION JOINT OVER BENT 2



EXPANSION JOINT OVER BENT 3



LOOKING SOUTH



LOOKING NORTH



EXPANSION JOINT OVER BENT 4



TYPICAL BEARING BENT 1 BEAM 2



BENT 1 SPAN 1 SIDE



END BENT 1



END BENT 1 RIGHT SIDE



END BENT 1 BEAM 2 BEARING.



ABANDONED UTILITY ABUTMENT 1, BAY 3



SOUTH SIDE OF BRIDGE LOOKING NORTH



NORTH SIDE OF BRIDGE LOOKING SOUTH

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

Run Date: 06/01/2017

IDENTIFICATION					
(1) STATE NAME -NORTH CAROLINA	BRIDGE	910252	SUFFICIENCY RATING =		75.5
(8) STRUCTURE NUMBER(FEDERAL)	000000001830252	STATUS =		Functionally Obsolete	
(5) INVENTORY ROUTE (ON/UNDER) - ON	50000000				
(2) STATE HIGHWAY DEPARTMENT DISTRICT	1				
(3) COUNTY CODE 183	(4) PLACE CODE	55000			
(6) FEATURE INTERSECTED - I440,US1					
(7) FACILITY CARRIED RIDGE ROAD					
(9) LOCATION 0.1 MI.S.OF US70					
(11)MILEPOINT	6				
(16)LAT 35° 50' 2.23"	(17)LONG 78° 40' 22.83"				
(98)BORDER BRIDGE STATE CODE	PCT SHARE				
(99)BORDER BRIDGE STRUCTURE NO					
STRUCTURE TYPE AND MATERIAL				CLASSIFICATION	
(43) STRUCTURE TYPE MAIN: Steel			(112)NBIS BRIDGE SYSTEM -	YES	
TYPE - Stringer Mutlibeam or Girder	CODE	302	(104)HIGHWAY SYSTEM Is not on NHS	0	
(44) STRUCTURE TYPE APPR :			(26) FUNCTIONAL CLASS - Local	19	
TYPE -	CODE	000	(100)STRAHNET HIGHWAY - Not a STRAHNET Route	0	
(45) NUMBER OF SPANS IN MAIN UNIT	5	(101)PARALLEL STRUCTURE - No Parallel Structure		N	
(46) NUMBER OF APPROACH SPANS			(102)DIRECTION OF TRAFFIC - 2-way Traffic	2	
(107)DECK STRUCTURE TYPE - 1	CODE		(103)TEMPORARY STRUCTURE -		
(108)WEARING SURFACE / PROTECTIVE SYSTEM :			(110)DESIGNATED NATIONAL NETWORK - Not on the National Network	0	
(A) TYPE OF WEARING SURFACE -	CODE		(20) TOLL On Free Road	3	
(B) TYPE OF MEMBRANE -	CODE		(31) MAINTAIN - State Highway Agency	01	
(C) TYPE OF DECK PROTECTION -	CODE		(22) OWNER - State Highway Agency	01	
			(37) HISTORICAL SIGNIFICANCE - Not Eligible	5	
				CONDITION	
(58) DECK			5		
(59) SUPERSTRUCTURE			5		
(60) SUBSTRUCTURE			5		
(61) CHANNEL & CHANNEL PROTECTION			N		
(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-48			86		
(65) INVENTORY RATING METHOD - Load Factor			1		
(66) INVENTORY RATING - HS-28			51		
(70) BRIDGE POSTING - No Posting Required			5		
(41) STRUCTURE OPEN, POSTED ,OR CLOSED DESCRIPTION - Open, No Restriction			A		
				APPRAISAL	
(67) STRUCTURAL EVALUATION			5		
(68) DECK GEOMETRY			5		
(69) UNDERCLEARANCES,VERTI & HORIZ			3		
(71) WATERWAY ADEQUACY			N		
(72) APPROACH ROADWAY ALIGNMENT			8		
(36) TRAFFIC SAFETY FEATURES			0111		
(113)SCOUR CRITICAL BRIDGES			N		
				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 4000	(115) YEAR FUTURE ADT	2025			
				INSPECTIONS	
(90) INSPECTION DATE			09/15/2016		
(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					
AGE AND SERVICE					
(27) YEAR BUILT	1960				
(106)YEAR RECONSTRUCTED					
(42) TYPE OF SERVICE : ON - Overpass - Interchange					
UNDER - Highway	CODE	61			
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE	7				
(29) AVERAGE DAILY TRAFFIC	2000				
(30) YEAR OF ADT 1986	(109) TRUCK ADT PCT	7%			
(19) BYPASS OR DETOUR LENGTH	0 MI				
GEOMETRIC DATA					
(48) LENGTH OF MAXIMUM SPAN	82 FT				
(49) STRUCTURE LENGTH	339 FT				
(50)CURB OR SIDEWALK: LEFT 1.625 FT RIGHT 1.625 FT	1.625 FT				
(51) BRIDGE ROADWAY WIDTH CURB TO CURB	28 FT				
(52) DECK WIDTH OUT TO OUT	33.417 FT				
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)	27 FT				
(33) BRIDGE MEDIAN - No Median	CODE	0			
(34) SKEW 46°	(35) STRUCTURE FLARED	0			
(10) INVENTORY ROUTE MIN VERT CLEAR	20.33 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	18.3 FT				
(55) MIN LAT UNDERCLEAR RT REF Highway	15 FT				
(56) MIN LAT UNDERCLEAR LT REF -	2.8 FT				
NAVIGATION DATA					
(38) NAVIGATION CONTROL - Not Applicable	CODE	N			
(111)PIER PROTECTION -	CODE				
(39) NAVIGATION VERTICAL CLEARANCE	0				
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR	FT				
(40) NAVIGATION HORIZONTAL CLEARANCE	0 FT				

Structure No: 910252

County: WAKE

Run Date:

Span Number	Feature Intersected	Inventory Route	Minimum Maximum Vertical Clearance	Milepoint	Base Highway Network	LRS Inventory Route	Toll	Functional Classification	Nuner of Lanes	Average Daily Traffic	Year of Average Daily Traffic	Total Horizontal Clearance	See Note 1					STRAHNET Highway Designator	Direction of Traffic	Highway System of Route
													Reference Feature	Minimum Vertical Underclearance	Right Lateral Underclearance	Left Lateral Underclearance	Underclearance Appraisal Grade			
	6	5	10	11	12	13	20	26	28	29	30	47	54A	54	55	56	69	100	102	104
2	I440W,US1S	11004400	17.5		1	10440		11	3	59000	2015	50.6	H	15.5	11.2	3.9	9	1	1	1
3	I440E,US1N	11004400	20.9		1	10440		11	4	59000	2015	51	H	18.3	15	2.8	9	1	1	1

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

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 06/01/2017

COUNTY : WAKE DIVISION : 5 DISTRICT : 1 STRUCTURE NUMBER : 910252 LENGTH : 339 FEET

ROUTE CARRIED : RIDGE ROAD FEATURE INTERSECTED : I440,US1

LOCATED : 0.1 MI.S.OF US70 BRIDGE NAME : CITY : RALEIGH

FUNC. CLASS : 19 SYST.ON : NFA SYST.UNDER : NFA ADT & YR : 2000 1986 RAIL TYPE : LT 99 RT 99

BUILT : 1960 BY : SHC PROJ : 8.14905 FED.AID PROJ : F637(7) DESIGN LOAD : HS 20 + MOD

REHAB : BY : PROJ : ALIGNMENT : TAN. SKEW : 44 LANES : ON 2 UNDER 7

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

SUPERSTRUCTURE : REINFORCED CONCRETE DECK ON I-BEAMS

SUBSTRUCTURE : EBTS: RC CAPS/SPREAD FTGS IBTS:RCP&B/ SPREAD FTGS.

SPANS : 1@60'6"; 2@82'6"; 2@56'6"

BEAMS OR GIRDERS : 4 LNS.36 IN. I-BEAMS @8.0'CTS.

FLOOR : 7.75 RC/LATEX MOD. CONC. OVERLAY ENCROACHMENT : DECK (OUT TO OUT) : 33.417 FT

CLEAR ROADWAY : 28 FT BETWEEN RAILS : 31.25 FT SIDEWALK OR CURB : LT 1.625 FT RT 1.625 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-28 OPE.RTG. : HS-48 CONTR.MEMBER : I BM SpB POSTED : SV TTST DATE

SYSTEM : Primary Muncpal roads over State System GREEN LINE ROUTE : Y

UNDER ROUTES AND CLEARANCES

Span	Route Description	Vertical Clearances		Horizontal Clearances		
		MMVC	MVC	Total	Left	Right
2	I440W,US1S	17.50	15.50	50.60	3.90	11.20
3	I440E,US1N	20.90	18.30	51	2.80	15

Note: All measurements are in feet.

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 910252

County WAKE

Date: 09/15/2016

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3334	Bridge Bearings	EA	1	Span 1 Beam 3 Far Bearing: SPAN 1, BEAM 3, FAR BEARING, BOTH ANCHORS ARE MISSING	
 3334	Bridge Bearings	EA	1	Span 1 Beam 4 Far Bearing: SPAN 1, BEAM 4, FAR BEARING HAS AN ANCHOR BOLT MISSING ON THE LEFT SIDE	
 3348	Maintain Concrete Substructure Components	LF	1	Bent 1 Cap 1: BENT 1 CAP, SPAN 2 SIDE, LEFT END HAS A SPALL, 16 IN. LONG X 1 FT. HIGH X 8 IN. WIDE X 3 IN. DEEP WITH REBAR EXPOSED, ALSO HAS ADJACENT DELAMINATION, 7 IN. WIDE X 20 IN. HIGH, WITH RUST STAINS AND EFFLORESCENCE	
 3348	Maintain Concrete Substructure Components	LF	5	Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS A SPALL ON THE BOTTOM CORNER, BETWEEN PILES 1 AND 2, 5 IN. HIGH ON THE FACE AND 12 IN. ACROSS THE BOTTOM X 2 IN. DEEP WITH REBAR EXPOSED	
3348	Maintain Concrete Substructure Components	LF	3	Bent 1 Cap 1: 2- SPALLS ON THE BOTTOM OF 1- 18 IN. DIAMETER AND 1- 8 IN., DIAMETER, BOTH 1 IN. DEEP WITH REBAR EXPOSED, WITH ADJACENT DELAMINATION AND 1/16 IN. WIDE CRACKING, ON BOTTOM OF CAP BETWEEN COLUMNS 1 AND 2.	
3348	Maintain Concrete Substructure Components	LF	2	Bent 2 Cap 1: BENT 2 CAP, BETWEEN COLUMNS 2 AND 3, SPALL ON BOTTOM OF CAP, 2 FT. IN DIAMETER X 3 IN. DEEP WITH REBAR EXPOSED	
3348	Maintain Concrete Substructure Components	LF	1	Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS A SPALL ON THE FACE OF THE CAP IN BAY 3, NEAR TOP EDGE, 12 IN. WIDE X 16 IN. HIGH X 1 IN. DEEP WITH REBAR EXPOSED	
3348	Maintain Concrete Substructure Components	LF	1	Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS A SPALL ON THE FACE OF THE CAP UNDER BEAM 2, 12 IN. WIDE X 28 IN. HIGH X 1 IN. DEEP, WITH REBAR EXPOSED	
3348	Maintain Concrete Substructure Components	LF	1	Bent 3 Pile 2: BENT 3, PILE 2 HAS A 6 IN. X 1/2 IN. DEEP DIAMETER SPALL ON THE EAST FACE, 1 FT. BELOW THE BOTTOM OF THE CAP WITH REBAR EXPOSED	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 910252

County WAKE

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

MMS Code	MMS Description	Quantity
3334	Bridge Bearings	1 EA
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
09/27/2016	GLEN KIKER	
Details		
Span 1 Beam 3 Far Bearing: SPAN 1, BEAM 3, FAR BEARING, BOTH ANCHORS ARE MISSING		

MMS Code	MMS Description	Quantity
3334	Bridge Bearings	1 EA
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
09/27/2016	GLEN KIKER	
Details		
Span 1 Beam 4 Far Bearing: SPAN 1, BEAM 4, FAR BEARING HAS AN ANCHOR BOLT MISSING ON THE LEFT SIDE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 910252

County WAKE

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

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 Received	
Submitted Date:	Submitted By:	Assisted By:
09/27/2016	GLEN KIKER	
Details		
Bent 1 Cap 1: BENT 1 CAP, SPAN 2 SIDE, LEFT END HAS A SPALL, 16 IN. LONG X 1 FT. HIGH X 8 IN. WIDE X 3 IN. DEEP WITH REBAR EXPOSED, ALSO HAS ADJACENT DELAMINATION, 7 IN. WIDE X 20 IN. HIGH, WITH RUST STAINS AND EFFLORESCENCE		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
09/27/2016	GLEN KIKER	
Details		
Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS A SPALL ON THE BOTTOM CORNER, BETWEEN PILES 1 AND 2, 5 IN. HIGH ON THE FACE AND 12 IN. ACROSS THE BOTTOM X 2 IN. DEEP WITH REBAR EXPOSED		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 910252

County WAKE

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
09/27/2016	GLEN KIKER	
Details		
Bent 1 Cap 1: 2- SPALLS ON THE BOTTOM OF 1- 18 IN. DIAMETER AND 1- 8 IN., DIAMETER, BOTH 1 IN. DEEP WITH REBAR EXPOSED, WITH ADJACENT DELAMINATION AND 1/16 IN. WIDE CRACKING, ON BOTTOM OF CAP BETWEEN COLUMNS 1 AND 2.		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
09/27/2016	GLEN KIKER	
Details		
Bent 2 Cap 1: BENT 2 CAP, BETWEEN COLUMNS 2 AND 3, SPALL ON BOTTOM OF CAP, 2 FT. IN DIAMETER X 3 IN. DEEP WITH REBAR EXPOSED		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 910252

County WAKE

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
09/27/2016	GLEN KIKER	
Details		
Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS A SPALL ON THE FACE OF THE CAP IN BAY 3, NEAR TOP EDGE, 12 IN. WIDE X 16 IN. HIGH X 1 IN. DEEP WITH REBAR EXPOSED		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
09/27/2016	GLEN KIKER	
Details		
Bent 3 Cap 1: BENT 3 CAP, SPAN 4 SIDE HAS A SPALL ON THE FACE OF THE CAP UNDER BEAM 2, 12 IN. WIDE X 28 IN. HIGH X 1 IN. DEEP, WITH REBAR EXPOSED		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 910252

County WAKE

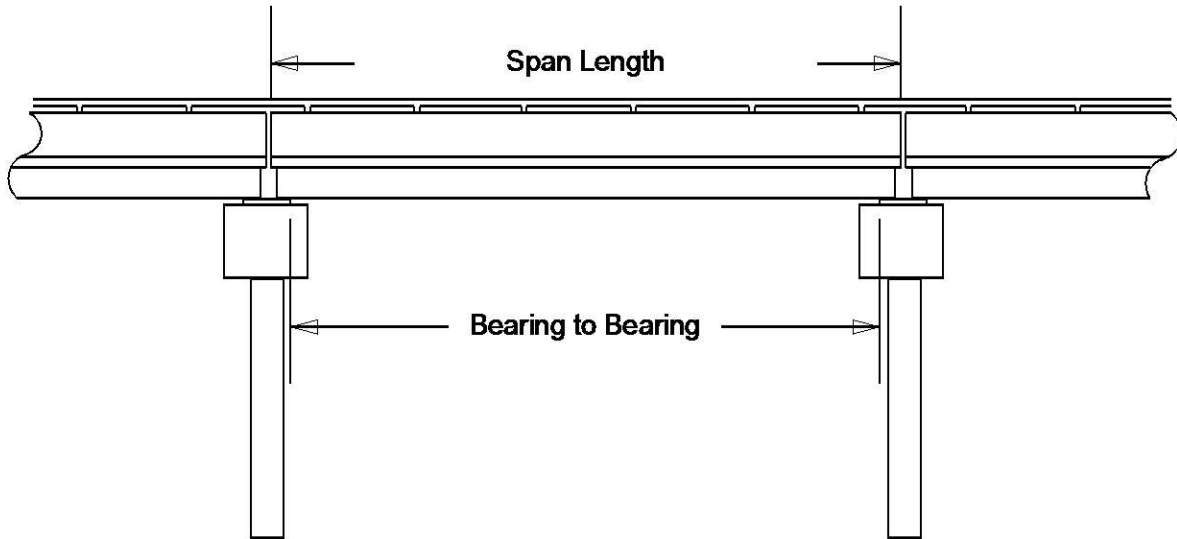
THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
09/27/2016	GLEN KIKER	
Details		
Bent 3 Pile 2: BENT 3, PILE 2 HAS A 6 IN. X 1/2 IN. DEEP DIAMETER SPALL ON THE EAST FACE, 1 FT. BELOW THE BOTTOM OF THE CAP WITH REBAR EXPOSED		

Structure Data Worksheet

Spans

County: WAKE Structure No: 910252 Date: 09/15/2016 Inspected By: RGK



Span No	Span Length	Bearing to Bearing	Comments
1	60.5	59.5	NBIS BRIDGE LENGTH 330.5 FT.
2	82.5	81.5	
3	82.5	81.5	
4	56.5	55.5	
5	56.5	55.5	

Bridge Inspection Field Sketch



Roadway	24ft Wide	2 Paved Lanes	Looking East
Left Shoulder	3ft Wide	3ft Paved	
Right Shoulder	3ft Wide		3ft Unpaved
Left Guardrail	3ft from road		
Right Guardrail	3ft from road		

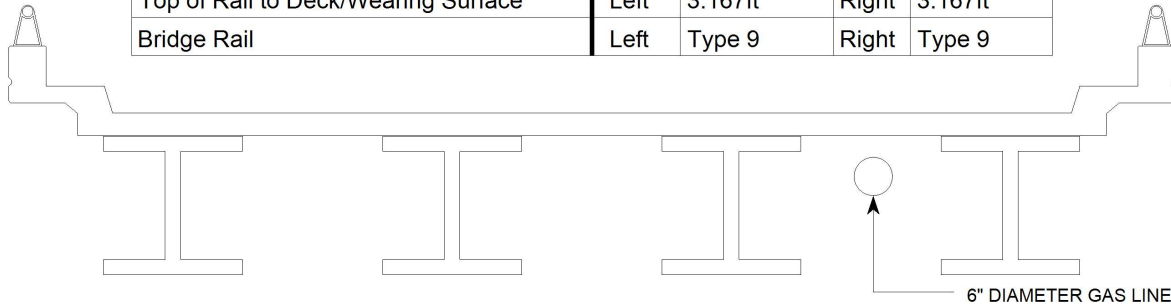
VERIFIED 9-20-16 GLEN KIKER

VERIFIED TGZ 9/19/14

Title APPROACH ROADWAY		Description LOOKING EAST	
Bridge No: 910252	Drawn By: MJM	Date: 09/29/2008	File Name: S0242001208

Bridge Inspection Field Sketch

Deck Width/Out to Out	33.417ft	Between Rails	31.25ft
Clear Roadway	28.0ft	Wearing Surface	
Median Width		Median Height	
Curb Height		Left	0.917ft
Sidewalk Width		Right	0.917ft
Clear Roadway (Rail to Median)		Left	
Guardrail Width		Right	
Top of Rail to Deck/Wearing Surface		Left	1.083ft
Bridge Rail		Right	1.083ft
		Left	3.167ft
		Right	3.167ft
		Left	Type 9
		Right	Type 9



Measurements for Span #	1		
Deck Thickness	0.646	Left Overhang	4.708
Top of Rail to Bottom of Beam	8.083	Right Overhang	4.708

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	8.0ft	36" I - BEAM
2	Steel I Beam	8.0ft	36" I - BEAM
3	Steel I Beam	8.0ft	36" I - BEAM
4	Steel I Beam	ft	36" I - BEAM

VERIFIED 9-20-16 GLEN KIKER

VERIFIED TGZ 9/19/14

Title

TYPICAL SECTION

Description

4 LINES OF I-BEAMS

Bridge No: 910252

Drawn By: KMM

Date: 09/29/2008

File Name: S0242001209

Bridge Inspection Field Sketch

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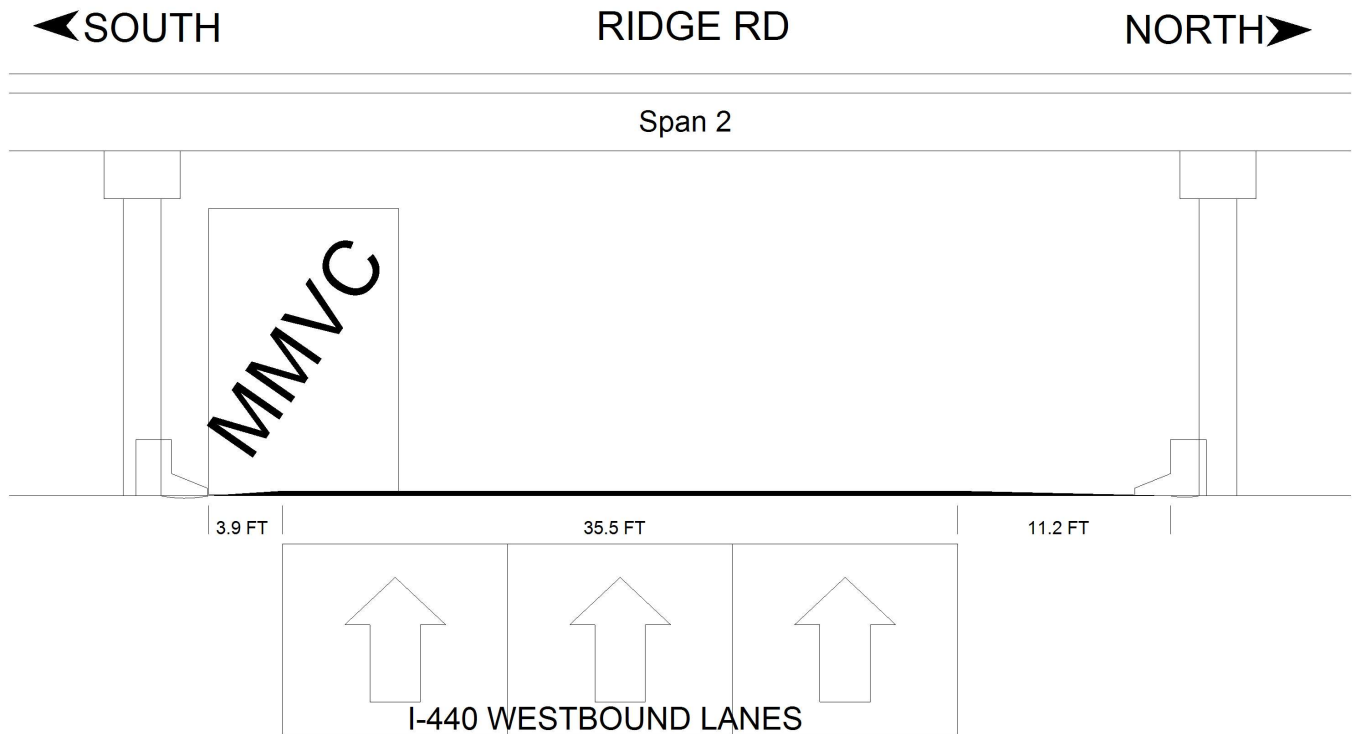
Title		Description	
Bridge No:	Drawn By:	Date:	File Name:

Bridge Inspection Field Sketch

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Title		Description	
Bridge No:	Drawn By:	Date:	File Name:

Bridge Inspection Field Sketch



Roadway 1		Direction of Traffic	West
Distance to Left Rail	3.9FT	Distance to Right Rail	11.2FT
Distance to Left Toe of Slope		Distance to Left Bent	6.4FT
Distance to Right Toe of Slope		Distance to Right Bent	12.7FT
MMVC	17.5 Ft at Beam 1, 6 FT from YELLOW LINE		
MVC	15.5 Ft at Beam 1, 0 FT from WHITE LINE OF SHOULDER		

LIDAR VERIFIED

VERIFIED 9-20-16 GLEN KIKER

Title H252 SPAN 2 LIDAR		Description CLEARANCE	
Bridge No: 910252	Drawn By: TA	Date: 6/21/2013	File Name: S0550000189

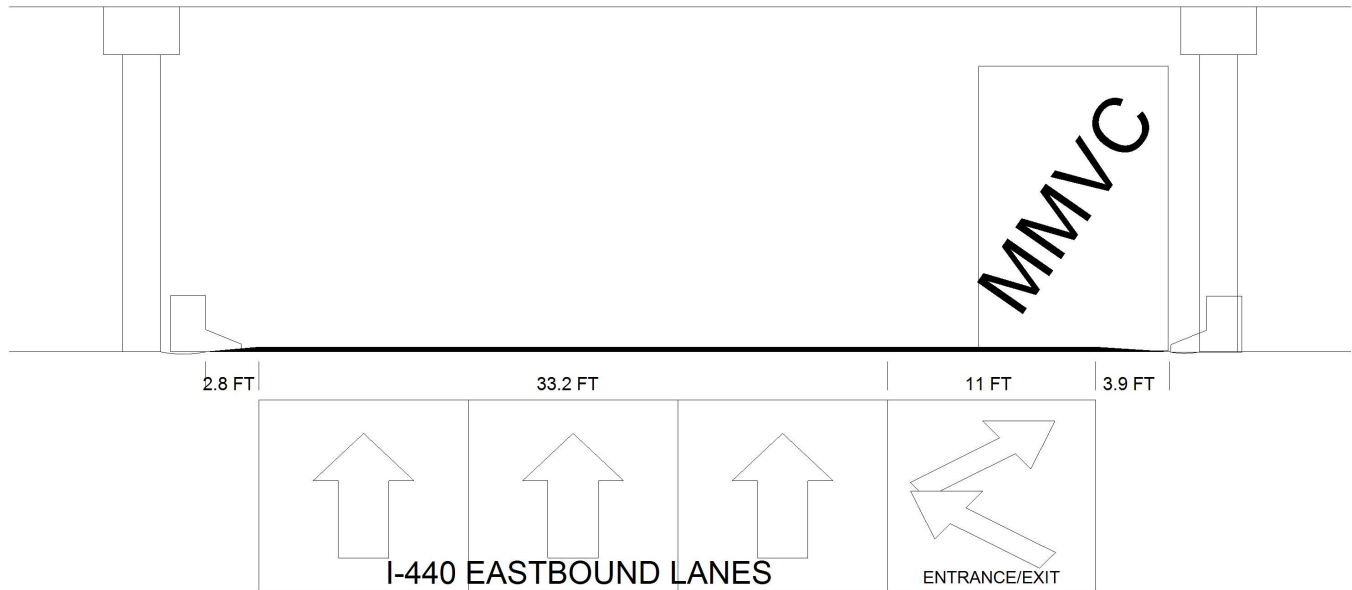
Bridge Inspection Field Sketch

◀ NORTH

RIDGE RD

SOUTH ▶

Span 3



Roadway 1		Direction of Traffic	East
Distance to Left Rail	2.8FT	Distance to Right Rail	15FT
Distance to Left Toe of Slope		Distance to Left Bent	5.2FT
Distance to Right Toe of Slope		Distance to Right Bent	16.5FT
MMVC	20.9 Ft at Beam 1, 6 FT from WHITE LINE OF SHOULDER		
MVC	18.3 Ft at Beam 1, 0 FT from YELLOW LINE		

LIDAR VERIFIED

VERIFIED 9-20-16 GLEN KIKER

Title

H252 SPAN 3 LIDAR

Description

CLEARANCE

Bridge No: 910252

Drawn By: TA

Date: 6/21/2013

File Name: S0550000190

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.				
38.667 ft.	2.500 ft.	2.833 ft.	3.750 ft.	3.750 ft.	1.500 ft.	1.500 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	15.583 ft.	2.5 ft.			Vertical	No	No	No	No
2	Concrete	15.583 ft.	2.5 ft.			Vertical	No	No	No	No
3	Concrete		2.5 ft.			Vertical	No	No	No	No
Bent/Abutment #: 1 Similar Bents: 2,3,4										
Title						Description				
BENTS						BENTS				
Bridge No: 910252			Drawn By: GLEN KIKER			Date: 9/20/2016		File Name: S0214000817		