



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINTENANCE ISSUED FOR BENT 2 PILE
3 AND BENT 1 CAP 2. STRUCTURE DATA CHANGED.

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: WAKE STRUCTURE NUMBER: 910084 FREQUENCY: 24 MONTHS

FACILITY CARRIED: US70 EBL MILE POST:

LOCATION: 0.2MI.W.US1

FEATURE INTERSECTED: CRABTREE CREEK

LATITUDE: 35° 50' 16.64" LONGITUDE: 78° 40' 25.71"

SUPERSTRUCTURE: RC DECK GIRDERS WIDENED WITH RC DECK ON I-BEAMS

SUBSTRUCTURE: EBTS:RC CAP ON PPC & STL.PILES, RC SPILL THRU, INT.BTS:POST & WEB, RC POST & BEAM, SPR

1@51'-11", 1@52'-4". 1@52'-6". 1@51'-9"

SPANS: 4@52'6"

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

PRESENT CONDITION: Fair INSPECTION DATE: 09/22/2017

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

LOOKING EAST

INSPECTED BY MORRIS ISRAELNAIM	SIGNATURE <i>Morris Israelnaim</i>	ASSISTED BY JIB/AKO
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Structure Element Scoring

Structure Number: **910084**

Inspection Date **9/22/2017**

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	12710	12457	253	0	0
107	0	Steel Open Girder/Beam	Beam	621	598	16	7	0
515	107	Steel Protective Coating	Beam	5298	5298	0	0	0
110	0	Reinforced Concrete Open Girder/Beam	Beam	1242	1218	6	18	0
205	0	Reinforced Concrete Column	Piles and Columns	22	20	0	2	0
210	0	Reinforced Concrete Pier Wall	Piles and Columns	45	43	2	0	0
215	0	Reinforced Concrete Abutment	Abutments	158	156	0	2	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	10	10	0	0	0
225	0	Steel Pile	Piles and Columns	6	6	0	0	0
226	0	Prestressed Concrete Pile	Piles and Columns	16	16	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	344	323	18	3	0
301	0	Pourable Joint Seal	Expansion Joints	320	320	0	0	0
310	0	Elastomeric Bearing	Bearing Device	24	24	0	0	0
515	310	Steel Protective Coating	Bearing Device	48	48	0	0	0
312	0	Enclosed/Concealed Bearings	Bearing Device	48	48	0	0	0
333	0	Other Bridge Railing	Bridge Rail	420	416	1	3	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **910084**

Inspection Date: **09/22/2017**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	73 Square Feet
3314	Steel Open Girder/Beam	Corrosion	7 Feet
3306	Reinforced Concrete Open Girder/Beam	Cracking (RC and Other)	1 Feet
3306	Reinforced Concrete Open Girder/Beam	Efflorescence/Rust Staining	5 Feet
3306	Reinforced Concrete Open Girder/Beam	Delamination/Spall	16 Feet
3348	Reinforced Concrete Column	Delamination/Spall	8 Each
3348	Reinforced Concrete Pier Wall	Cracking (RC and Other)	20 Feet
3350	Reinforced Concrete Abutment	Delamination/Spall	2 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	17 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	1 Feet
3318	Other Bridge Railing	Delamination/Spall	4 Feet

Element Structure Maintenance Quantities

Structure Number: **910084**

Inspection Date **09/22/2017**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	2	158	0	2	0	156
Beam	3306	Maintenance Concrete Superstructure Components	22	1242	0	18	6	1218
Beam	3314	Maintenance Steel Superstructure Components	7	621	0	7	16	598
Beam	3342	Clean and Paint Steel	0	5298	0	0	0	5298
Bearing Device	3334	Bridge Bearing	0	72	0	0	0	72
Bearing Device	3342	Clean and Paint Steel	0	48	0	0	0	48
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	4	420	0	3	1	416
Caps	3348	Maintenance of Concrete Substructure	18	344	0	3	18	323
Deck	3326	Maintenance of Concrete Deck	73	12710	0	0	253	12457
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	320	0	0	0	320
Footing	3348	Maintenance of Concrete Substructure	0	10	0	0	0	10
Piles and Columns	3348	Maintenance of Concrete Substructure	28	83	0	2	2	79
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	6	0	0	0	6

Element Condition and Maintenance Data

Structure Number: 910084

Inspection Date: 09/22/2017

Span 1

Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	52	47	0	5	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
110	Delamination/Spall	(5)- SPALLS WITH EXPOSED REBAR UP TO 6" X 1" X 1/2" DEEP IN BOTTOM OF GIRDER AT 3 FT SPACINGS FROM BENT 1	3	5	5 Feet
General Comments					

Span 1

Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	52	46	0	6	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
110	Delamination/Spall	SPALL WITH EXPOSED REBAR IN BOTTOM FACE 12" X 2"X 1/2" DEEP NEAR MID SPAN	3	1	1 Feet
110	Efflorescence/Rust Staining	HEAVY EFFLORESCENCE SOUTH FACE NEAR MID SPAN	3	5	5 Feet
General Comments					

Span 1

Beam 6

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	52	51	0	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
110	Delamination/Spall	10" X 3" X 4" SPALL WITH EXPOSED REINFORCING, BOTTOM SOUTH CORNER, AT FAR BEARING.	3	1	1 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	52	46	6	0	0 Feet
515	Steel Protective Coating	437	437	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	6 FT CORROSION OF BOTTOM FLANGE NORTH SIDE WITH NO SECTION LOSS	2	6	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	52	51	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	Delamination/Spall	10IN X 6IN X 1IN DEEP SPALL IN TRAFFIC FACE OF CURB, 15FT FROM END BENT 1.	2	1	1	Feet

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	52	50	0	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	Delamination/Spall	24IN X 12IN X 3IN DEEP SPALL IN TRAFFIC FACE OF CURB, AT END BENT 1.	3	2	2	Feet

General Comments

Span 2 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	3,190	3,099	91	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	VERTICAL CRACK UP TO 1/32IN WIDE, LEFT EDGE AT MIDSPAN.	2	1	1	Square Feet
12	Efflorescence/Rust Staining	TRANSVERSE AND LONGITUDINAL HAIRLINE CRACKS WITH EFFLORESCENCE IN UNDERSIDE BAY 4 AT RANDOM FULL LENGTH	2	90		Square Feet

General Comments

Span 2 Beam 3**Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	52	51	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	SPALL WITH EXPOSED REBAR 12" X 2" X 1/2" DEEP IN BOTTOM AT 15 FT FROM BENT 1	3	1	1	Feet

General Comments

Beam 4

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	52	51	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	8" X 30" DELAMINATED PATCH WITH VERTICAL CRACK UP TO 1/8", SOUTH FACE, AT NEAR BEARING.	2	1	1	Feet

General Comments

Beam 6

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	52	51	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	8" X 30" DELAMINATED PATCH WITH VERTICAL CRACK UP TO 1/8" WIDE NORTH FACE AT BENT 1	2	1		Feet
General Comments						

Beam 7

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	52	45	0	7	0 Feet
515	Steel Protective Coating	446	446	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	7 FT CORROSION OF BOTTOM FLANGE NORTH SIDE AND 4" AT BASE OF WEB AT BENT 1	3	7	7 Feet

General Comments

Beam 9

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	52	46	6	0	0	Feet
515	Steel Protective Coating	445	445	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	6 FT CORROSION BOTTOM OF BOTTOM FLANGE FULL WIDTH AT BENT 1	2	6		Feet
General Comments						

Span 2 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	53	52	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	Delamination/Spall	8IN X 4IN X 1IN DEEP SPALL, IN BACK FACE OF CURB, NEAR MIDSPAN.	3	1	1	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	3,200	3,110	90	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Efflorescence/Rust Staining	TRANSVERSE AND LONGITUDINAL HAIRLINE CRACKS WITH EFFLORESCENCE IN UNDERSIDE BAY 4 AT RANDOM FULL LENGTH	2	90		Square Feet

General Comments

Span 3 Beam 3**Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	52	50	0	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	18" X 10" X 2" SPALL WITH EXPOSED REBAR NORTH FACE AT BENT 2	3	2	2	Feet

General Comments

Span 3 Beam 4**Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	52	51	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	30" VERTICAL CRACK UP TO 3/16", NEAR END OF GIRDER, NORTH FACE, BENT 2.	2	1	1	Feet

General Comments

Span 3**Beam 5****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	52	50	1	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
110	Delamination/Spall	11" X 5" X 4" SPALL WITH EXPOSED REINFORCING, BOTTOM NORTH CORNER, NEAR BEARING.	3	1	Feet
110	Delamination/Spall	7" X 14" DELAMINATED PATCH, BOTTOM NORTH FACE AT NEAR BEARING.	2	1	1 Feet

General Comments

Span 3**Beam 6****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	52	48	2	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
110	Delamination/Spall	12" X 12" X 3" SPALL, BOTTOM SOUTH CORNER, AT MID SPAN.	3	1	1 Feet
110	Delamination/Spall	15IN X 6IN X 4IN SPALL WITH EXPOSED REINFORCING IN END DIAPHRAGM IN BAY 6 AT BENT 3.	3	1	1 Feet
110	Delamination/Spall	4" X 2" DELAMINATION WITH IMMINENT SPALL, SOUTH FACE, AT BENT 2.	2	1	1 Feet
110	Delamination/Spall	7" X 14" DELAMINATED PATCH BOTTOM NORTH FACE AT NEAR BEARING.	2	1	1 Feet

General Comments

Span 3**Beam 9****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	52	48	4	0	0 Feet
515	Steel Protective Coating	448	448	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	4FT AREA OF SURFACE CORROSION, BOTTOM FLANGE WITH SCALE AT BENT 2, NO LOSS.	2	4	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	3,155	3,083	72	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Cracking (RC and Other)	60 SOUTH FACE MAP CRACKS WITH EFFLORESCENCE, UNDERSIDE BAYS 4 AND 5.	2	60	60 Square Feet
12	Cracking (RC and Other)	6FTX 2FT AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE, UNDERSIDE BAY 6 AT END.	2	12	12 Square Feet

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	25	16	7	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	2 FT X 5" X 1 1/2" SPALL WITH EXPOSED MAIN STEEL IN EAST FACE UNDER BEAM 5 (PRIORITY MAINTENANCE).	3	2	2 Feet
234	Delamination/Spall	3 FT X 1 FT DELAMINATION UNDER BAY 3	2	3	3 Feet
234	Delamination/Spall	3" X 14" DELAMINATION WEST FACE SOUTH END OF CAP SEGMENT	2	1	1 Feet
234	Delamination/Spall	30" X 11" DELAMINATED TEMPORARY REPAIR WITH HORIZONTAL CRACK UP TO 1/16", EAST FACE, BELOW BAY 3.	2	3	3 Feet

General Comments**Bent 1 Reinforced Concrete Footing 1****Reinforced Concrete Footing**

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

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

FOOTING BELOW COLUMN 7 IS VISIBLE. NO DEFECTS NOTED.

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	22	20	2	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	2' X 5" DELAMINATION WITH 3' HORIZONTAL CRACK UP TO 0.04", BOTTOM EAST FACE, UNDER GIRDER 3.	2	2	2 Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	25	23	1	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	6" DIAMETER X 1/2" SPALL WITH EXPOSED REINFORCING, EAST UNDERSIDE OF CAP, SOUTH OF COLUMN 5.	3	1	1 Feet
234	Cracking (RC and Other)	2' VERTICAL CRACK UP TO 1/8", EAST FACE, AT SOUTH END OF CAP NEXT TO SEGMENT 3.	2	1	1 Feet

General Comments

Pile 1

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	1FT X 8IN X 1IN DEEP SPALL WITH EXPOSED REINFORCING, SOUTHWEST CORNER, 10FT FROM GROUND (PRIORITY MAINTENANCE).	3	1	2	Each
General Comments						

Pile 3

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	SPALL WITH EXPOSED MAIN STEEL 3 FT X 6" X 2" DEEP AT SOUTHEAST CORNER AT 6 FT ABOVE GROUND (PRIORITY MAINTENANCE).	3	1	4	Each
205	Delamination/Spall	SPALL WITH EXPOSED MAIN STEEL REINFORCING, NORTHEAST CORNER, 2 FT X 3" X 1" DEEP, AT 6 FT ABOVE GROUND (PRIORITY MAINTENANCE).	3		2	Each

General Comments

Cap 1

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	36	31	5	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Delamination/Spall	2'-6" X 9" DELAMINATION, WEST FACE OF CAP, BELOW BAY 3.	2	3	3	Feet
234	Delamination/Spall	20" X 7" X 15" DELAMINATION, TOP OF CAP, BELOW BAY 2, NEXT TO GIRDER 3.	2	2	2	Feet
General Comments						

Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	80	78	0	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Delamination/Spall	2' X 6" X 1" SPALL, BOTTOM FACE OF CURTAIN WALL, BELOW UTILITY PENETRATION, OUTSIDE BEAM 9.	3	2	2	Feet

General Comments

Bent 3 Cap 2**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	25	22	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Patched Area	1FT X 1FT SOUND PATCH, EAST FACE AT BEAM 4,	2	1		Feet
234	Patched Area	2FT X 1FT SOUND PATCH, WEST FACE AT BEAM 4.	2	2		Feet

General Comments

Bent 3 Pile 2**Reinforced Concrete Pier Wall**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
210	Reinforced Concrete Pier Wall	15	13	2	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
210	Cracking (RC and Other)	(2) 9' VERTICAL CRACKS UP TO 1/16", (1) EACH FACE, MIDDLE OF PIER WALL.	2	2	20	Feet

General Comments

Bent 3 Reinforced Concrete Footing 1**Reinforced Concrete Footing**

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

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

FOOTING BELOW COLUMN 7 IS VISIBLE. NO DEFECTS NOTED.

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3165
Span 1	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 1	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 1	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 1	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 1	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 1	Beam 6	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	52
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	52
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	52
Span 1	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	52
Span 1	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	52
Span 1	Expansion Joint at End Bent 1	Standard Joint	Pourable Joint Seal	64
Span 1	Near Bearing 1	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 1	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 1	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 1	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 1	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 1	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 1	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 1	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 1	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 1	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 1	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 1	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 1	Near Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 1	Far Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 1	Near Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 1	Far Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 1	Near Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 1	Far Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3190
Span 2	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 2	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 2	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 2	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 2	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 2	Beam 6	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	52
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	52
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	52
Span 2	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	53
Span 2	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	53
Span 2	Expansion Joint at Bent 1	Standard Joint	Pourable Joint Seal	64

Elements Verified

Location	Name	Component	Element Name	Amount
Span 2	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 2	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 2	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 2	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 2	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 2	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 2	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 2	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 2	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 2	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 2	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 2	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 2	Far Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 2	Near Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 2	Far Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 2	Near Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 2	Far Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 2	Near Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3200
Span 3	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 3	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 3	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 3	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 3	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 3	Beam 6	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	52
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	52
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	52
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	52
Span 3	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	53
Span 3	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	53
Span 3	Expansion Joint at Bent 2	Standard Joint	Pourable Joint Seal	64
Span 3	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 3	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 3	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 3	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 3	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 3	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 3	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 3	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 3	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 3	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 3	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 3	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 3	Far Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 3	Near Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1

Elements Verified

Location	Name	Component	Element Name	Amount
Span 3	Near Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 3	Far Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 3	Near Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 3	Far Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3155
Span 4	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	51
Span 4	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	51
Span 4	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	51
Span 4	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	51
Span 4	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	51
Span 4	Beam 6	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	51
Span 4	Beam 7	Plate Girder	Steel Open Girder/Beam	51
Span 4	Beam 8	Plate Girder	Steel Open Girder/Beam	51
Span 4	Beam 9	Plate Girder	Steel Open Girder/Beam	51
Span 4	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	52
Span 4	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	52
Span 4	Expansion Joint at Bent 3	Standard Joint	Pourable Joint Seal	64
Span 4	Expansion Joint at End Bent 2	Standard Joint	Pourable Joint Seal	64
Span 4	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 4	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 4	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 4	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 4	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 4	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 4	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 4	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 4	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 4	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 4	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 4	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 4	Near Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 4	Far Bearing	Enclosed/Concealed Bearing	Enclosed/Concealed Bearings	1
Span 4	Near Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 4	Far Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 4	Near Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 4	Far Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 4	Far Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Span 4	Near Bearing	Elastomeric Bearing with Metal Plates	Elastomeric Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	22
Bent 1	Cap 2	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 1	Cap 3	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	15
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Pier Wall	Reinforced Concrete Pier Wall	15
Bent 1	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 5	Reinforced Concrete Column	Reinforced Concrete Column	1

Elements Verified

Location	Name	Component	Element Name	Amount
Bent 1	Pile 6	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 7	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Footing	Reinforced Concrete Pile Cap/Footing	5
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
End Bent 1	Cap 2	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
End Bent 1	Cap 3	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	15
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	78
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	22
Bent 2	Cap 2	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 2	Cap 3	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	15
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 2	Reinforced Concrete Pier Wall	Reinforced Concrete Pier Wall	15
Bent 2	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 5	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 6	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 7	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
End Bent 2	Cap 2	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
End Bent 2	Cap 3	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	15
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	80
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	22
Bent 3	Cap 2	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 3	Cap 3	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	15
Bent 3	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 2	Reinforced Concrete Pier Wall	Reinforced Concrete Pier Wall	15
Bent 3	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 5	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 6	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 7	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3		Reinforced Concrete Footing	Reinforced Concrete Pile Cap/Footing	5

General Inspection Notes

Bent 1

FOOTING BELOW COLUMN 7 IS VISIBLE. NO DEFECTS NOTED.

Bent 3

FOOTING BELOW COLUMN 7 IS VISIBLE. NO DEFECTS NOTED.

National Bridge and NC Inspection Items

Structure Number: 910084

Inspection Date: 09/22/2017

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	6
Item 59: Superstructure	0 - 9 , N	5
Item 60: Substructure	0 - 9 , N	5
Item 61: Channel and Channel Protection	0 - 9 , N	7
Item 62: Culvert	0 - 9 , N	N
Item 71: Waterway Adequacy	0 - 9 , N	5
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	G		
Slope Protection	G, F, P, or C	G	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	7		
Superstructure Paint Code				

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	12
Traffic Control Time	Hours	0
Snooper Time	Hours	0
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 910084

Inspection Date: 09/22/2017

Item	Deck - Item 58	Grade	6	Maint Code	Qty.	0
Details	ITEM GRADE INCREASED DUE TO DECK REHAB.					



Span 1 Beam 1: 5 SPALL WITH EXPOSED REBAR UP TO 6" X 1" X 1/2" DEEP IN BOTTOM OF GIRDER AT 3 FT SPACINGS FROM BENT 1



Span 1 Beam 3: HEAVY EFFLORESCENCE SOUTH FACE NEAR MID SPAN



Span 1 Beam 3: SPALL WITH EXPOSED REBAR IN BOTTOM FACE 12" X 2" X 1/2" DEEP NEAR MID SPAN



Span 1 Beam 6: 10" X 3" X 4" SPALL WITH EXPOSED REINFORCING, BOTTOM SOUTH CORNER, AT FAR BEARING.



Span 1 Beam 7: 6 FT CORROSION OF BOTTOM FLANGE NORTH SIDE WITH NO SECTION LOSS



Span 2 Beam 7: 7 FT CORROSION OF BOTTOM FLANGE NORTH SIDE AND 4" AT BASE OF WEB AT BENT 1



Bent 1 Cap 2: 2 FT X 5" X 1 1/2" SPALL WITH EXPOSED REBAR IN EAST FACE UNDER BEAM 5 (PRIORITY MAINTENANCE).



Bent 1 Cap 2: 3 FT X 1 FT DELAMINATION UNDER BAY 3



Bent 1 Cap 2: 3" X 14" DELAMINATION WEST FACE SOUTH END OF CAP SEGMENT



Span 2 Beam 9: 6 FT CORROSION BOTTOM OF BOTTOM FLANGE FULL WIDTH AT BENT 1



Span 2 Deck: TRANSVERSE AND LONGITUDINAL HAIRLINE CRACKS WITH EFFLORESCENCE IN UNDERSIDE BAY 4 AT RANDOM FULL LENGTH



Span 2 Beam 3: SPALL WITH EXPOSED REBAR 12" X 2" X 1/2" DEEP IN BOTTOM AT 15 FT FROM BENT 1



Span 3 Beam 3: 18" X 10" X 2" SPALL WITH EXPOSED REBAR NORTH FACE AT BENT 2



Span 3 Beam 4: 30" VERTICAL CRACK UP TO 3/16", NEAR END OF GIRDER, NORTH FACE, BENT 2.



Span 3 Beam 5: 11" X 5" X 4" SPALL WITH EXPOSED REINFORCING, BOTTOM NORTH CORNER, NEAR BEARING.



Span 3 Beam 6: 7" X 14" DELAMINATED PATCH BOTTOM NORTH FACE AT NEAR BEARING.



Bent 2 Pile 3: SPALL WITH EXPOSED REBAR AT NORTHEAST CORNER 2 FT X 3" X 1" DEEP AT 6 FT ABOVE GROUND (PRIORITY MAINTENANCE).



Bent 2 Pile 3: SPALL WITH EXPOSED MAIN STEEL 3 FT X 6" X 2" DEEP AT SOUTHEAST CORNER AT 6 FT ABOVE GROUND (PRIORITY MAINTENANCE).



Span 3 Deck: TRANSVERSE AND LONGITUDINAL HAIRLINE CRACKS WITH EFFLORESCENCE IN UNDERSIDE BAY 4 AT RANDOM FULL LENGTH



Span 3 Beam 6: 12" X 12" X 3" SPALL, BOTTOM SOUTH CORNER, AT MID SPAN.



Span 3 Beam 6: 4" X 2" DELAMINATION WITH IMMINENT SPALL, SOUTH FACE, AT BENT 2



Bent 2 Pile 1: 1FT X 8IN X 1IN SPALL WITH EXPOSED REINFORCING, SOUTHWEST CORNER, 10FT FROM GROUND (PRIORITY MAINTENANCE).



Span 3 Beam 9: 4FT AREA OF SURFACE CORROSION, BOTTOM FLANGE WITH SCALE AT BENT 2, NO LOSS.



Span 3 Beam 6: 15IN X 6IN X 4IN SPALL WITH EXPOSED REINFORCING, END DIAPHRAGM BAY 6 AT BENT 3.



Bent 3 Cap 2: 2FT X 1FT SOUND PATCH, WEST FACE AT BEAM 4.



Bent 3 Pile 2: (2) 9' VERTICAL CRACKS UP TO 1/16", (1) EACH FACE, MIDDLE OF PIER WALL.



Span 4 Deck: 60 SOUTH FACE MAP CRACKS WITH EFFLORESCENCE, UNDERSIDE BAYS 4 AND 5.



Bent 3 Cap 2: 1FT X 1FT SOUND PATCH, EAST FACE AT BEAM 4,



End Bent 2 Cap 1: 2'-6" X 9" DELAMINATION, WEST FACE OF CAP, BELOW BAY 3.



End Bent 2 Cap 1: 20" X 7" X 15" DELAMINATION, TOP OF CAP, BELOW BAY 2, NEXT TO GIRDER 3.



End Bent 2 Abutment/Backwall : 2' X 6" X 1" SPALL, BOTTOM FACE OF CURTAIN WALL, BELOW UTILITY PENETRATION, OUTSIDE BEAM 9.



Span 4 Deck: 6FTX 2FT AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE, UNDERSIDE BAY 6 AT END.



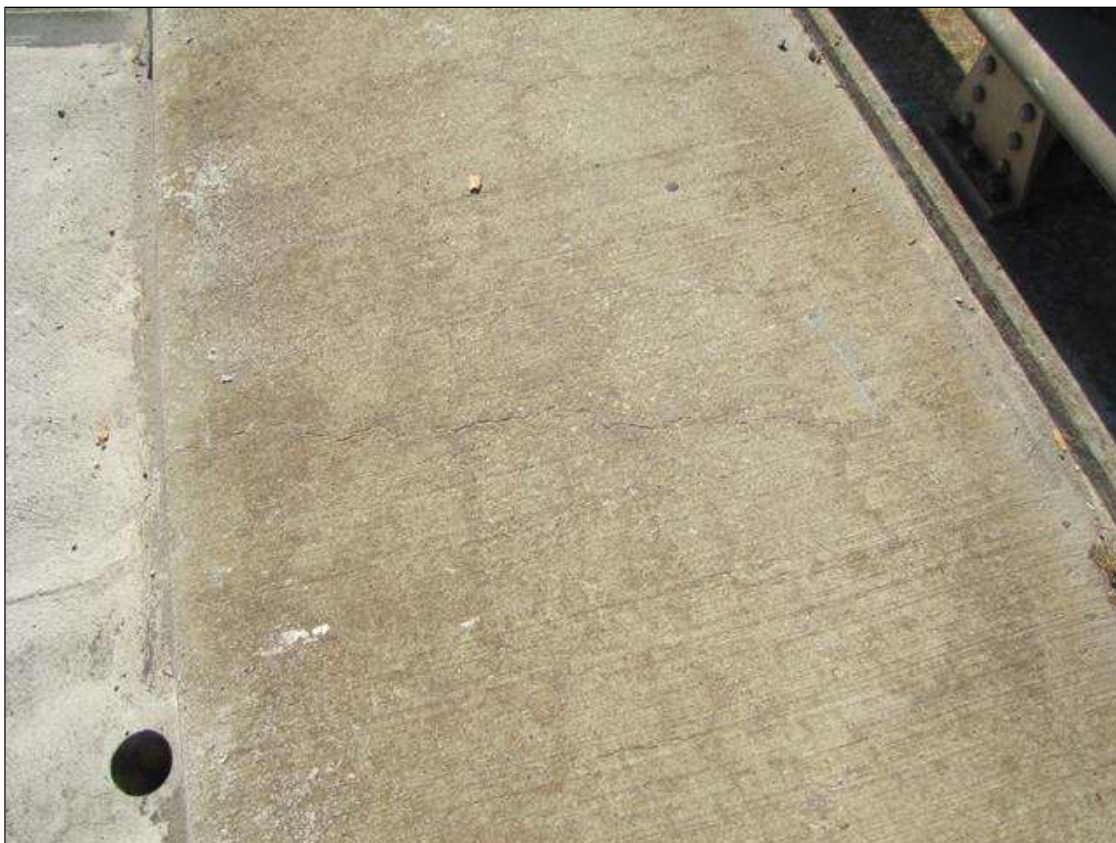
Span 2 Deck: VERTICAL CRACK UP TO 1/32IN WIDE, LEFT EDGE AT MIDSPAN.



Span 2 Left Bridge Rail: 8IN X 4IN X 1IN DEEP SPALL IN BACK FACE OF CURB, NEAR MIDSPAN.



Span 1 Right Bridge Rail: 24IN X 12IN X 3IN DEEP SPALL IN TRAFFIC FACE OF CURB, AT END BENT 1.



CRACK IN SIDEWALK (SPAN 3).



RIGHT BRIDGE RAIL



END BENT 1 PROFILE



ABANDONED UTILITY LEFT OVERHANG 12" DIAMETER DUCTILE IRON PIPE



18" DIAMETER CAST IRON WATER LINE AT RIGHT OVERHANG



BENT 1 PROFILE



BENT 2 PROFILE



BENT 3 PROFILE



BEARING ASSEMBLY, BEAM 7 AT BENT 2 (TYPICAL OF BEAMS 7-9)



BEARING ASSEMBLY, BEAM 9 AT BENT 3



END BENT 2 PROFILE



LOOKING EAST



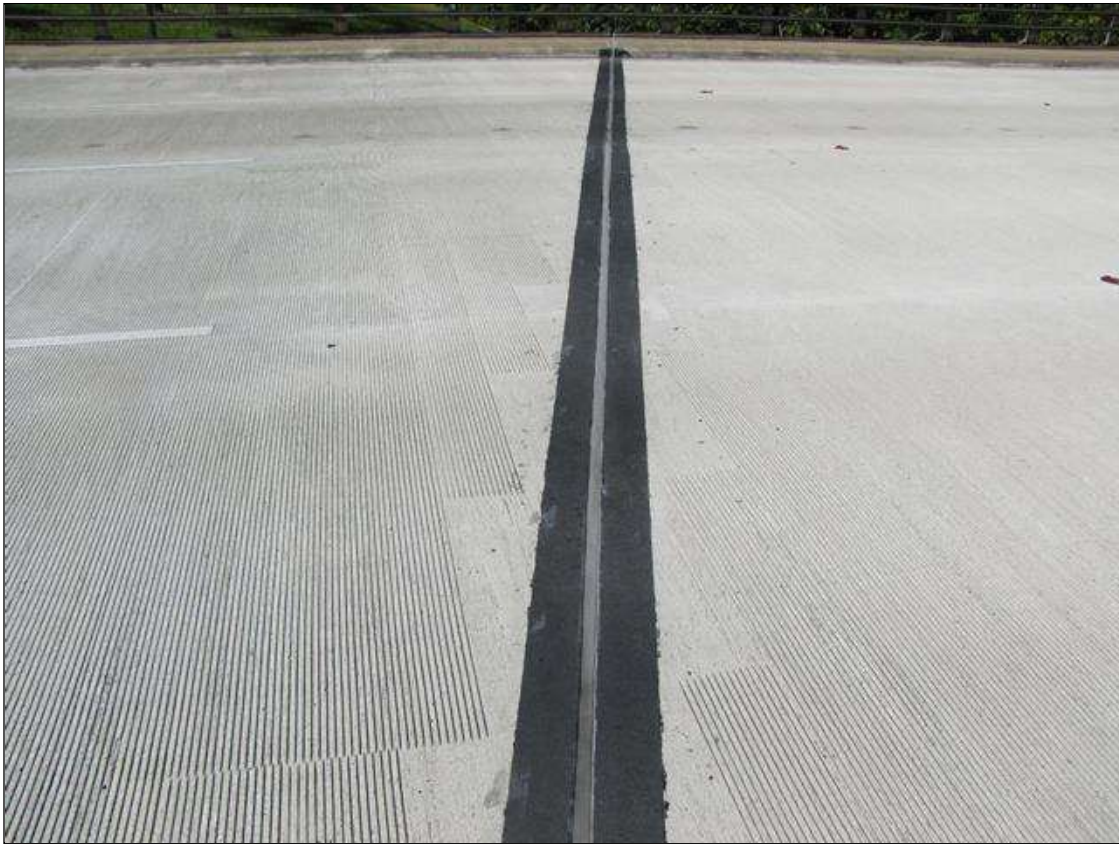
PAVEMENT TO DECK TRANSITION AT END BENT 1



JOINT AT BENT 1



JOINT AT BENT 2



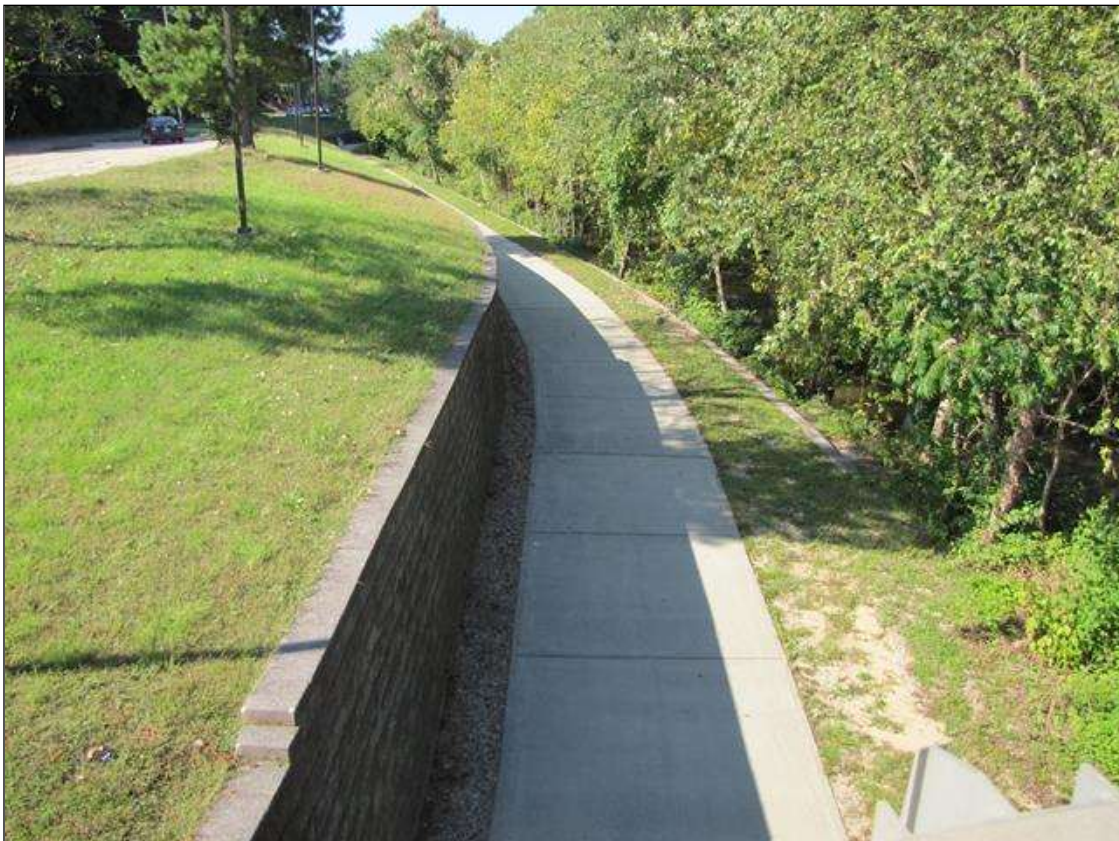
JOINT AT BENT 3



PAVEMENT TO DECK TRANSITION AT END BENT 2



LOOKING WEST



LOOKING SOUTH OVER GREENWAY



LOOKING UPSTREAM (SOUTH)



LEFT BRIDGE RAIL

Stream Bed Soundings

(Profile diagram on following sheet)

County **WAKE**

Structure Number: **910084**

Inspection Date **09/18/2017**

Sounding recorded from: **Top of Bridge Rail**

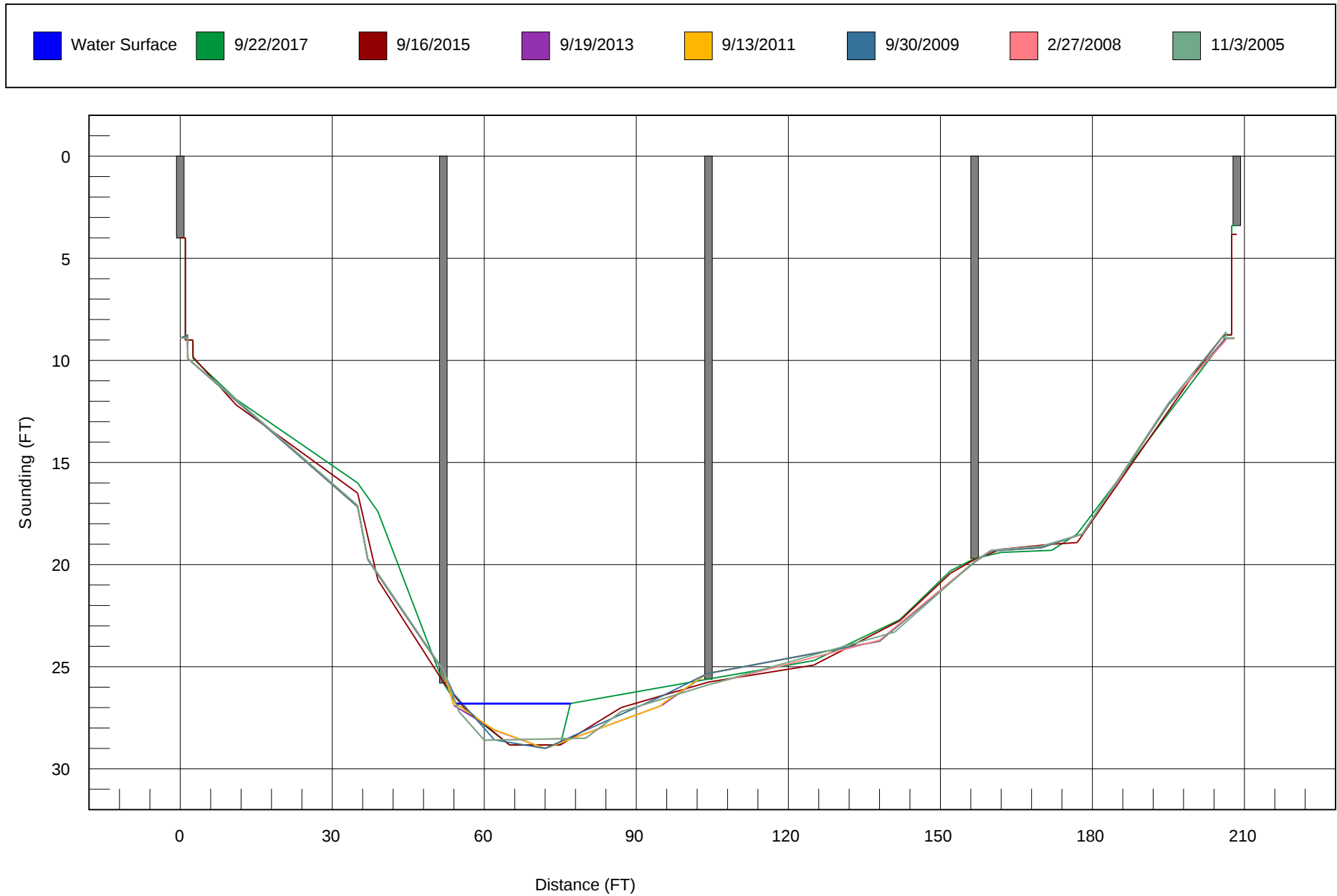
Highwater Mark Distance

Location of Highwater Mark

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	4.000	0.000	FILL FACE AT END BENT 1
1.000	4.000	0.000	
1.010	9.000	0.000	TOP OF CAP
2.500	9.000	0.000	
2.510	9.900	8.100	STREAM FACE
11.000	11.900	0.000	
35.000	16.000	0.000	
39.000	17.400	0.000	
51.920	25.800	15.500	BENT 1
54.500	26.800	0.000	Water Surface/Water Edge (WSWE)
65.000	28.830	0.000	
75.000	28.830	0.000	
77.000	26.800	0.000	Water Surface/Water Edge (WSWE)
104.250	25.600	26.500	BENT 2
125.000	24.700	0.000	
142.000	22.700	0.000	
152.000	20.300	0.000	
156.750	19.700	17.800	BENT 3
162.000	19.400	0.000	EDGE OF TRAIL
172.000	19.300	0.000	EDGE OF TRAIL
177.000	18.500	0.000	
205.990	9.000	9.000	STREAM FACE
206.000	8.750	0.000	
207.490	8.750	0.000	TOP OF CAP
207.500	3.400	0.000	
208.500	3.400	0.000	FILL FACE AT END BENT 2

STREAMBED PROFILE (Downstream)

Top of Rail = 0FT (Sounding)



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

Run Date: 02/20/2018

IDENTIFICATION				CLASSIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	910084		SUFFICIENCY RATING =		51.93	
(8) STRUCTURE NUMBER(FEDERAL)		000000001830084		STATUS =	Not Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		21000700					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		1					
(3) COUNTY CODE	183	(4) PLACE CODE	55000	(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED -	CRABTREE CREEK			(104)HIGHWAY SYSTEM	Is on the NHS	1	
(7) FACILITY CARRIED	US70 EBL			(26) FUNCTIONAL CLASS -	Other Principal Arterial	14	
(9) LOCATION	0.2MI.W.US1			(100)STRAHNET HIGHWAY -	Non-Interstate STRAHNET Route	2	
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	Right Parallel Structure	R	
(16)LAT	35° 50' 16.64"	(17)LONG	78° 40' 25.71"	(102)DIRECTION OF TRAFFIC -	1-way Traffic	1	
(98)BORDER BRIDGE STATE CODE		PCT SHARE		(103)TEMPORARY STRUCTURE -			
(99)BORDER BRIDGE STRUCTURE NO				(110)DESIGNATED NATIONAL NETWORK -	On the National Network	1	
				(20) TOLL	On Free Road	3	
				(31) MAINTAIN -	State Highway Agency	01	
				(22) OWNER -	State Highway Agency	01	
				(37) HISTORICAL SIGNIFICANCE -	Not Eligible	5	
STRUCTURE TYPE AND MATERIAL				CONDITION			
(43) STRUCTURE TYPE MAIN:	Concrete			(58) DECK		6	
TYPE -	Tee Beam	CODE	104	(59) SUPERSTRUCTURE		5	
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE		5	
TYPE -		CODE	000	(61) CHANNEL & CHANNEL PROTECTION		7	
(45) NUMBER OF SPANS IN MAIN UNIT			4	(62) CULVERTS		N	
(46) NUMBER OF APPROACH SPANS							
(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				LOAD RATING AND POSTING			
(27) YEAR BUILT			1931	(31) DESIGN LOAD	H 15	2	
(106)YEAR RECONSTRUCTED				(63) OPERATING RATING METHOD -	Load Factor	1	
(42) TYPE OF SERVICE : ON -	Highway - Pedestrian			(64) OPERATING RATING -	HS-23	41	
UNDER -	Waterway	CODE	55	(65) INVENTORY RATING METHOD -	Load Factor	1	
(28) LANES: ON STRUCTURE	4 UNDER STRUCTURE		0	(66) INVENTORY RATING -	HS-13	24	
(29) AVERAGE DAILY TRAFFIC			38500	(70) BRIDGE POSTING -	Posting Required	3	
(30) YEAR OF ADT	2013	(109) TRUCK ADT PCT	12%	(41) STRUCTURE OPEN, POSTED ,OR CLOSED		A	
(19) BYPASS OR DETOUR LENGTH			1 MI	DESCRIPTION -	Open, No Restriction		
GEOMETRIC DATA				APPRAISAL			
(48) LENGTH OF MAXIMUM SPAN			51 FT	(67) STRUCTURAL EVALUATION		5	
(49) STRUCTURE LENGTH			209 FT	(68) DECK GEOMETRY		4	
(50)CURB OR SIDEWALK: LEFT	2.5 FT RIGHT		5 FT	(69) UNDERCLEARANCES,VERTI & HORIZ		N	
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			52 FT	(71) WATERWAY ADEQUACY		5	
(52) DECK WIDTH OUT TO OUT			60.958 FT	(72) APPROACH ROADWAY ALIGNMENT		8	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			52 FT	(36) TRAFFIC SAFETY FEATURES		1111	
(33) BRIDGE MEDIAN -	No Median	CODE	1	(113)SCOUR CRITICAL BRIDGES		8	
(34) SKEW	15°	(35) STRUCTURE FLARED	0				
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT				
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			52 FT				
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9 FT				
(54) MIN VERT UNDERCLEAR REF	Not a Highway or Railroad		0 FT				
(55) MIN LAT UNDERCLEAR RT REF	Not a Highway or Railroad		000 FT				
(56) MIN LAT UNDERCLEAR LT REF -			000 FT				
NAVIGATION DATA				PROPOSED IMPROVEMENTS			
(38) NAVIGATION CONTROL -	No Navigational Control	CODE	0	(75) TYPE OF WORK -		CODE	
(111)PIER PROTECTION -		CODE		(76) LENGTH OF STRUCTURE IMPROVEMENT			
(39) NAVIGATION VERTICAL CLEARANCE			0	(94) BRIDGE IMPROVEMENT COST			
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			FT	(95) ROADWAY IMPROVEMENT COST			
(40) NAVIGATION HORIZONTAL CLEARANCE			0 FT	(96) TOTAL PROJECT COST			
				(97) YEAR OF IMPROVEMENT COST ESTIMATE			
				(114)FUTURE ADT	77000	(115) YEAR FUTURE ADT	2025
				INSPECTIONS			
				(90) INSPECTION DATE		09/22/2017	
				(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			

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 02/20/2018

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
WAKE	5	1	910084	209	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
US70 EBL	CRABTREE CREEK

LOCATED :	BRIDGE NAME :	CITY :
0.2MI.W.US1		RALEIGH

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
14	FA	NFA	38500 2013	LT 103 RT 379

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1931	SHPWC	4830		H 15

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :		
	DOH	504080011	TAN	105	ON 4	UNDER	0

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC	0	FT	HC	0	FT	25	FT
						1	FT

SUPERSTRUCTURE :	RC DECK GIRDERS WIDENED WITH RC DECK ON I-BEAMS
------------------	---

SUBSTRUCTURE :	EBTS:RC CAP ON PPC & STL.PILES, RC SPILL THRU, INT.BTS:POST & WEB, RC POST & BEAM, SPR & PILE FTGS
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SPANS :	4@52'6"
---------	---------

BEAMS OR GIRDERS :	7 LINES OF RC DECK GIRDERS @ VAR. CTS., 3 LINES OF W30X99 I-BEAMS @ 8'3" CTS.
--------------------	---

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
12.52" RC/NO AWS	1@8" & 1@12" UTIL.	60.958 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
52 FT	59.5 FT	LT 2.5 FT RT 5 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :		
HS-13	HS-23	RCDG	SV	TTST	DATE

SYSTEM :	GREEN LINE ROUTE :
Primary U.S. Route	Y

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 910084

County WAKE

Date: 09/22/2017

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3348	Maintain Concrete Substructure Components	LF	4	Bent 2 Pile 3: SPALL WITH EXPOSED MAIN STEEL 3 FT X 6" X 2" DEEP AT SOUTHEAST CORNER AT 6 FT ABOVE GROUND (PRIORITY MAINTENANCE).	
 3348	Maintain Concrete Substructure Components	LF	2	Bent 2 Pile 3: SPALL WITH EXPOSED MAIN STEEL REINFORCING, NORTHEAST CORNER, 2 FT X 3" X 1" DEEP, AT 6 FT ABOVE GROUND (PRIORITY MAINTENANCE).	
 3348	Maintain Concrete Substructure Components	LF	2	Bent 1 Cap 2: 2 FT X 5" X 1 1/2" DEEP SPALL WITH EXPOSED MAIN STEEL IN EAST FACE UNDER BEAM 5 (PRIORITY MAINTENANCE).	
 3348	Maintain Concrete Substructure Components	LF	2	Bent 2 Pile 1: 1FT X 8IN X 1IN DEEP SPALL WITH EXPOSED REINFORCING, SOUTHWEST CORNER, 10FT FROM GROUND (PRIORITY MAINTENANCE).	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 910084

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	4 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
09/22/2017	MORRIS ISRAELNAIM	
Details		
Bent 2 Pile 3: SPALL WITH EXPOSED MAIN STEEL 3 FT X 6" X 2" DEEP AT SOUTHEAST CORNER AT 6 FT ABOVE GROUND (PRIORITY MAINTENANCE).		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
09/22/2017	MORRIS ISRAELNAIM	
Details		
Bent 2 Pile 3: SPALL WITH EXPOSED MAIN STEEL REINFORCING, NORTHEAST CORNER, 2 FT X 3" X 1" DEEP, AT 6 FT ABOVE GROUND (PRIORITY MAINTENANCE).		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 910084

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	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
09/22/2017	MORRIS ISRAELNAIM	
Details		
Bent 1 Cap 2: 2 FT X 5" X 1 1/2" DEEP SPALL WITH EXPOSED MAIN STEEL IN EAST FACE UNDER BEAM 5 (PRIORITY MAINTENANCE).		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
09/25/2017	MORRIS ISRAELNAIM	
Details		
Bent 2 Pile 1: 1FT X 8IN X 1IN DEEP SPALL WITH EXPOSED REINFORCING, SOUTHWEST CORNER, 10FT FROM GROUND (PRIORITY MAINTENANCE).		

Bridge Inspection Field Sketch

US HWY 70 LOOKING EAST

MEASUREMENTS TAKEN 30FT WEST OF BRIDGE

Roadway	49.4ft Wide	4 Paved Lanes	Looking East
Left Shoulder	2.5ft Wide	2.5ft Paved	
Left Guardrail			
Right Guardrail			

MEASUREMENTS VERIFIED BY MI/JIB 9/22/2017

Title

APPROACH RDWAY

Description

LOOKING EAST

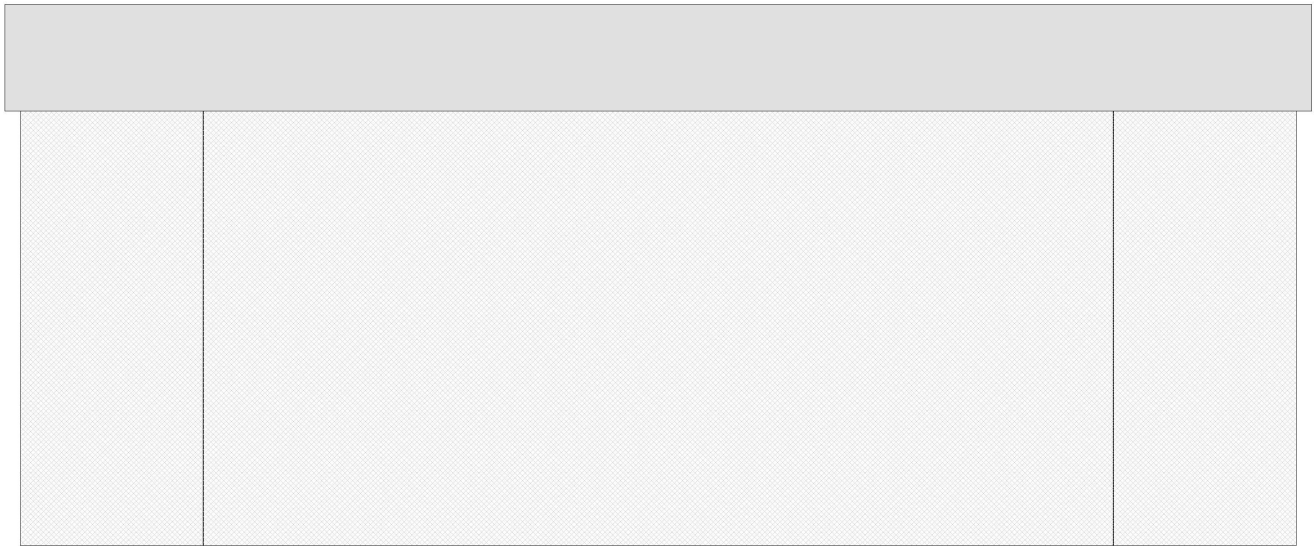
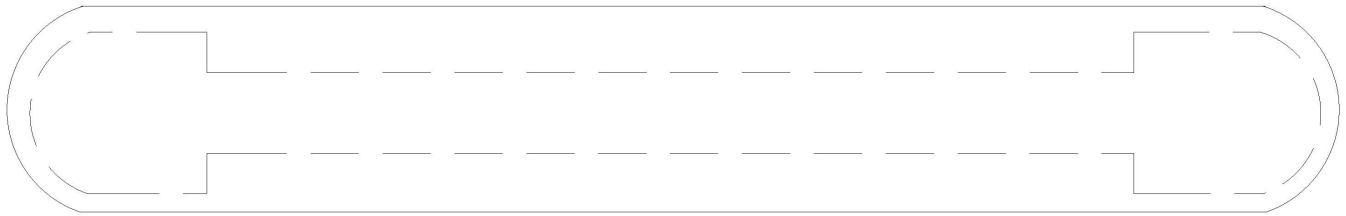
Bridge No: 910084

Drawn By: RLB

Date: 2/12/2008

File Name: S0214000022

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.				
21.75 ft.	2.917 ft.	1.750 ft.	1.750 ft.	1.750 ft.	2.000 ft.	2.000 ft.				
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	8.958 ft.	3 ft.	2.583 ft.			No	No	No	No
2	Concrete (wall)	8.958 ft.	14.92 ft.	0.75 ft.			No	No	No	No
3	Concrete		3 ft.	2.583 ft.			No	No	No	No
MEASUREMENTS MODIFIED BY MI/AKO/WOK 9/22/2017: CAP LENGTH AND WIDTH										
Bent/Abutment #: 1			Similar Bents: 2 & 3							

Title
LEFT SECTION

Description
POST AND WEB ORIGINAL BENT

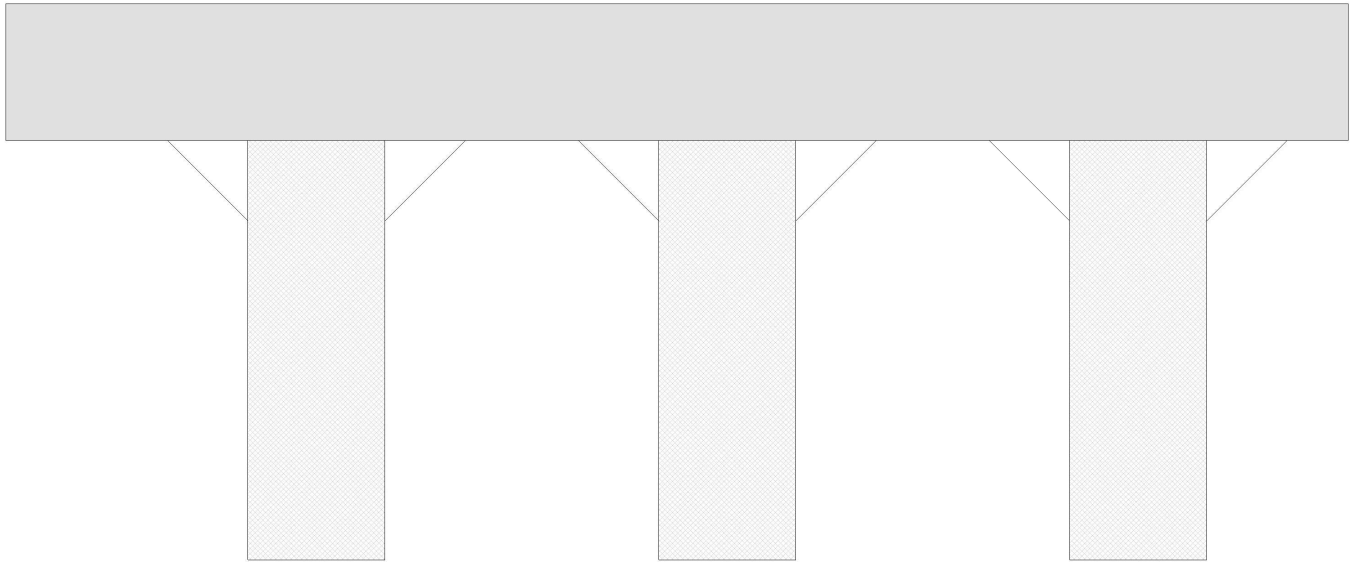
Bridge No: 910084

Drawn By: ado

Date: 10/2/2009

File Name: S0010034780

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.				
24.417 ft.	2.917 ft.	2.500 ft.	4.875 ft.	4.250 ft.	3.220 ft.	1.958 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	7.5 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
2	Concrete	7.5 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
3	Concrete		2.5 ft.	2.5 ft.		Vertical	No	No	No	No
MEASUREMENTS MODIFIED BY MI/AKO/WOK 9/22/2017: CAP LENGTH, WIDTH, AND OVERHANGS										
Bent/Abutment #: 1			Similar Bents: 2 & 3							

Title
CENTER SECTION

Description
INTERIOR BENT 1

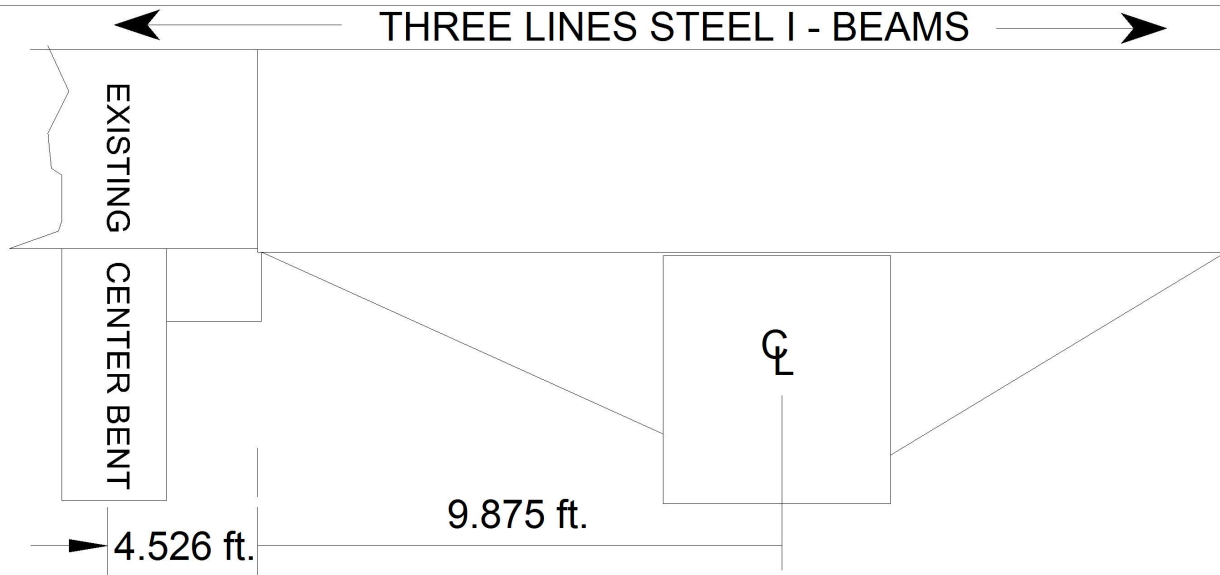
Bridge No: 910084

Drawn By: ado

Date: 10/2/2009

File Name: S0010034779

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.				
14.750 ft.	3.667 ft.	2.500 ft.	7.750 ft	4.875 ft.	3.500 ft	2.203 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		3.500 ft.			Vertical	No	No	No	No
MEASUREMENTS MODIFIED BY MI/AKO/WOK 9/22/2017: CAP LENGTH AND WIDTH										
Bent/Abutment #: 1			Similar Bents: 2,3							

Title
RIGHT SECTION

Description
INT. BNT 1 / SINGLE COLUMN

Bridge No: 910084

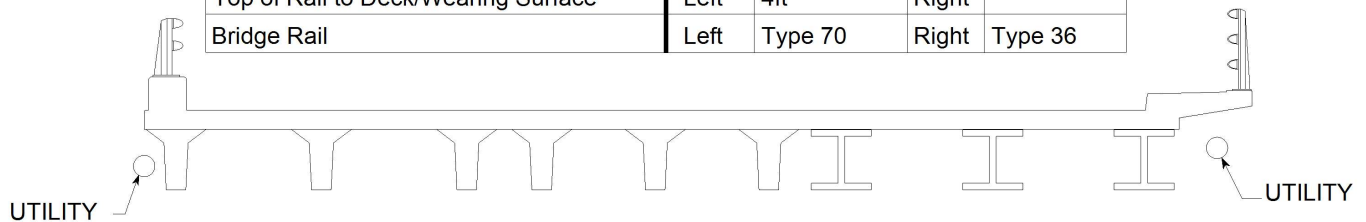
Drawn By: ado

Date: 10/2/2009

File Name: S0010034781

Bridge Inspection Field Sketch

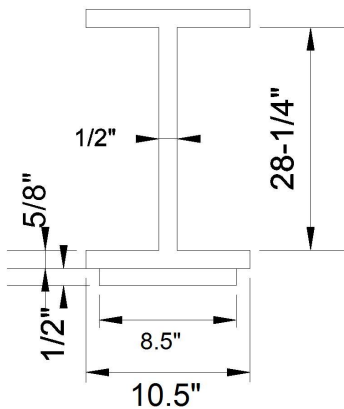
Deck Width/Out to Out	60.958ft	Between Rails	59.5ft
Clear Roadway	52ft	Wearing Surface	
Median Width		Median Height	
Curb Height		Left	.5ft
Sidewalk Width		Left	
Clear Roadway (Rail to Median)		Left	
Guardrail Width		Left	
Top of Rail to Deck/Wearing Surface		Left	4ft
Bridge Rail		Left	Type 70
		Right	Type 36



Measurements for Span #	1		
Deck Thickness	1.043	Left Overhang	4.583
Top of Rail to Bottom of Beam	5.042	Right Overhang	3.083

Beam Number	Beam Type	Spacing	Comments
1	RC Deck Girder	8.00ft	3.167 x 1.500
2	RC Deck Girder	8.00ft	39.021 x 1.500
3	RC Deck Girder	4.125ft	3.167 x 1.500
4	RC Deck Girder	6.25ft	3.698 x 1.500
5	RC Deck Girder	6.25ft	3.646 x 1.500
6	RC Deck Girder	4.0ft	3.521 x 1.500
7	Steel I Beam	8.333ft	2.500 x .875
8	Steel I Beam	8.333ft	2.500 x .875
9	Steel I Beam		2.500 x .875

NO CURVED GIRDERS



MEASUREMENTS VERIFIED BY MI/AKO/WOK 9/22/2017

Title

TYPICAL SECTION

Description

LOOKING EAST

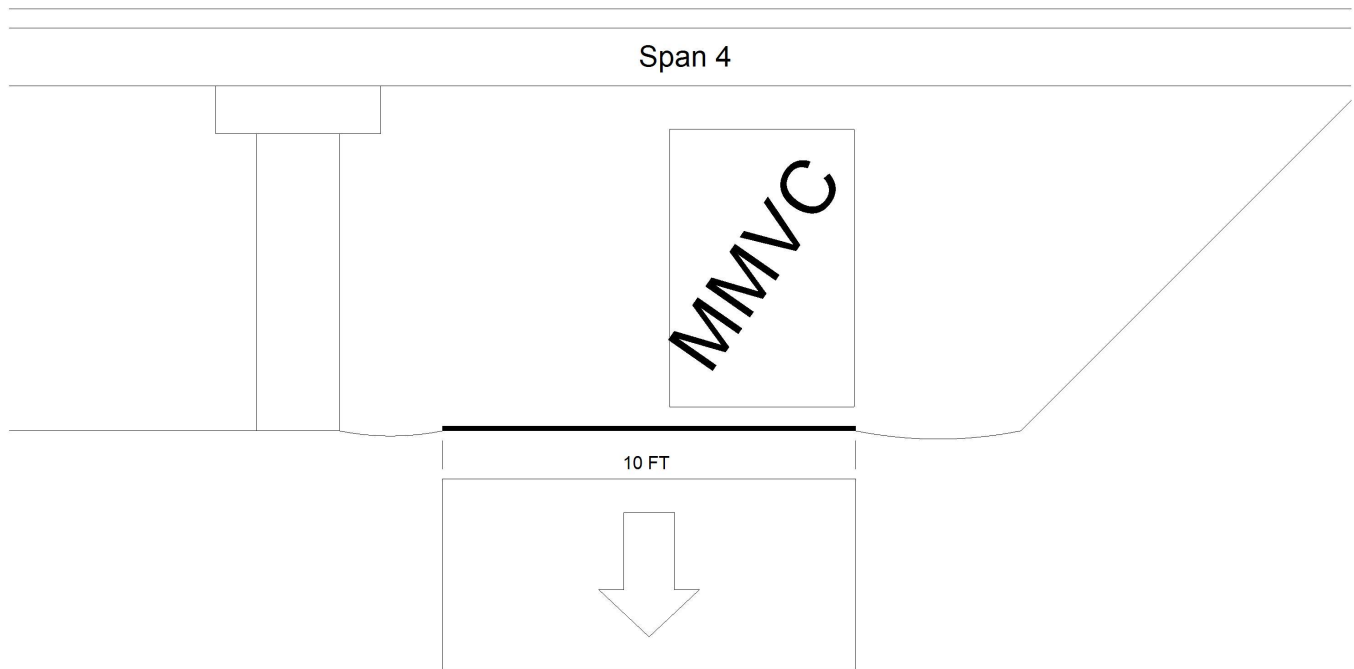
Bridge No: 910084

Drawn By: RLB

Date: 2/12/2008

File Name: S0214000023

Bridge Inspection Field Sketch

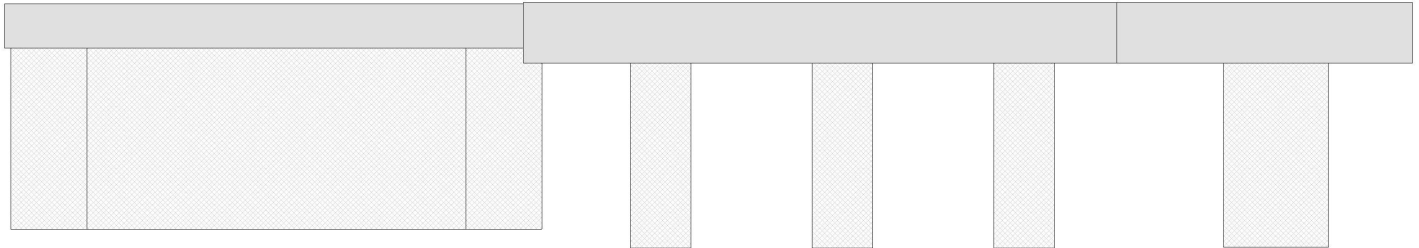


Roadway 1		Direction of Traffic	North South
Distance to Left Rail		Distance to Right Rail	
Distance to Left Toe of Slope		Distance to Left Bent	2.5FT
Distance to Right Toe of Slope	4FT	Distance to Right Bent	
MMVC	10 Ft at Beam 6, 0 FT from RIGHT EDGE OF TRAIL		
MVC	10 Ft at Beam 6, 0 FT from RIGHT EDGE OF TRAIL		

MEASUREMENTS VERIFIED BY MI/AKO/WOK 9/22/2017

Title VERTICAL CLEARANCES		Description VERTICAL CLEARNCES FOR GREENWA Y	
Bridge No: 910084	Drawn By: MRM	Date: 9/15/2015	File Name: S0342000294

Bridge Inspection Field Sketch



Cap #1 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.				
21.750 ft.	2.917 ft.	1.750 ft.	1.750 ft.	1.750 ft.	2.000 ft.	2.000 ft.				
Cap #2 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.				
24.417 ft.	2.917 ft.	2.500 ft.	4.875 ft.	4.250 ft.	3.220 ft.	1.958 ft.				
Cap #3 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.				
14.750 ft.	3.667 ft.	2.500 ft.	7.750 ft.	4.875 ft.	3.500 ft.	2.203 ft.				
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	8.96 ft.	3 ft.	2.583 ft.		Vertical	No	No	No	No
2	Concrete (WALL)	8.96 ft.	14.92 ft.	0.75 ft.		Vertical	No	No	No	No
3	Concrete	7.42 ft.	3 ft.	2.583 ft.		Vertical	No	No	No	No
4	Concrete	7.5 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
5	Concrete	7.5 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
6	Concrete	11.58 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
7	Concrete		3.5 ft.			Vertical	No	No	No	No
MEASUREMENTS MODIFIED BY MI/AKO/WOK 9/22/2017: CAP LENGTHS AND WIDTHS										

Title

OVERALL BENT

Description

COMBINED BENT SKETCH

Bridge No: 910084

Drawn By: MRM

Date: 9/18/2015

File Name: S0342000296