



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: INCREASE IN AWS THICKNESS, PRIORITY
MAINTENANCE

Structure Safety Report

Routine Element Inspection

COUNTY: ROWAN STRUCTURE NUMBER: 790061 FREQUENCY: 24 MONTHS

FACILITY CARRIED: NC801 MILE POST: _____

LOCATION: 0.7 MI. S. JCT. SR1984

FEATURE INTERSECTED: FOURTH CREEK

LATITUDE: 35° 47' 26.53" LONGITUDE: 80° 34' 15.69"

SUPERSTRUCTURE: REINFORCED CONCRETE DECK GIRDERS

SUBSTRUCTURE: ABUTMENTS: RC SPILL THROUGH, INTERIOR BENTS: RC POST & BEAM

SPANS: 1@52"0", 2@52"6", 1@52"0"

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

PRESENT CONDITION: Poor INSPECTION DATE: 10/22/2015

POSTED SV: Not Posted Not Posted POSTED TTST: Not Posted Not Posted

OTHER SIGNS PRESENT: NONE



LOOKING NORTH

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

INSPECTED BY JASON ROLFSMEYER	SIGNATURE 	ASSISTED BY JOHN LUSK
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Span Element Report

Structure Number: 790061

Inspection Date: 10/22/2015

Span Number 1

Span Length 52 Feet

Number of Beams/Girders: 4

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	1,682	1,652	20	10	0	30	3326
110		Reinforced Concrete Open Girder/Bear	208	188	6	14	0	20	3306
205		Reinforced Concrete Column	3	3	0	0	0	0	3348
234		Reinforced Concrete Pier Cap	31	27	0	4	0	4	3348
313		Fixed Bearing	8	8	0	0	0	0	3334
515	313	Steel Protective Coating	16	16	0	0	0	0	3342
316		Other Bearings	2	2	0	0	0	0	3334
331		Reinforced Concrete Bridge Railing	104	104	0	0	0	0	3318
510		Wearing Surface	1,344	1,004	300	40	0	340	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 2

Span Length 52.5 Feet

Number of Beams/Girders: 4

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	1,698	1,665	21	12	0	33	3326
110		Reinforced Concrete Open Girder/Bear	212	188	3	13	8	24	3306
205		Reinforced Concrete Column	2	0	1	1	0	17	3348
234		Reinforced Concrete Pier Cap	28	0	0	28	0	28	3348
301		Pourable Joint Seal	33	33	0	0	0	0	3310
313		Fixed Bearing	8	8	0	0	0	0	3334
515	313	Steel Protective Coating	16	16	0	0	0	0	3342
316		Other Bearings	6	6	0	0	0	0	3334
331		Reinforced Concrete Bridge Railing	106	106	0	0	0	0	3318
510		Wearing Surface	1,357	1,017	300	40	0	340	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 3

Span Length 52.5 Feet

Number of Beams/Girders: 4

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	1,698	1,665	21	12	0	33	3326
110		Reinforced Concrete Open Girder/Bear	212	188	9	15	0	24	3306
205		Reinforced Concrete Column	2	0	2	0	0	2	3348
234		Reinforced Concrete Pier Cap	28	3	24	1	0	1	3348
301		Pourable Joint Seal	33	33	0	0	0	0	3310
313		Fixed Bearing	8	8	0	0	0	0	3334
515	313	Steel Protective Coating	16	16	0	0	0	0	3342
316		Other Bearings	8	8	0	0	0	0	3334
331		Reinforced Concrete Bridge Railing	106	106	0	0	0	0	3318
510		Wearing Surface	1,357	1,017	300	40	0	340	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 4

Span Length 52 Feet

Number of Beams/Girders: 4

Structure Number: 790061

Inspection Date: 10/22/2015

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	1,682	1,562	120	0	0	120	3326
110		Reinforced Concrete Open Girder/Bear	208	200	3	5	0	8	3306
205		Reinforced Concrete Column	5	3	1	1	0	11	3348
234		Reinforced Concrete Pier Cap	59	37	22	0	0	1	3348
301		Pourable Joint Seal	33	33	0	0	0	0	3310
313		Fixed Bearing	8	8	0	0	0	0	3334
515	313	Steel Protective Coating	16	16	0	0	0	0	3342
316		Other Bearings	8	8	0	0	0	0	3334
331		Reinforced Concrete Bridge Railing	104	104	0	0	0	0	3318
510		Wearing Surface	1,344	964	300	80	0	380	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Superstructure Detailed Element Quantities

Structure Number: 790061

Inspection Date: 10/22/2015

Span Number 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	12	Reinforced Concrete Deck	1682	1652	20	10	0	30	3326	☐ Requested
☒ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	52	52	0	0	0	0	3318	☒ Requested
☒ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	52	52	0	0	0	0	3318	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	1344	1004	300	40	0	340	2816	☐ Requested
☒ Beam	1	110	Reinforced Concrete Open Girder/Beam	52	49	0	3	0	3	3306	☐ Requested
☒ Beam	2	110	Reinforced Concrete Open Girder/Beam	52	49	0	3	0	3	3306	☐ Requested
☒ Beam	3	110	Reinforced Concrete Open Girder/Beam	52	50	2	0	0	2	3306	☐ Requested
☒ Beam	4	110	Reinforced Concrete Open Girder/Beam	52	40	4	8	0	12	3306	☒ Requested
☐ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☒ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	

Structure Number: 790061

Inspection Date: 10/22/2015

Span Number 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	12	Reinforced Concrete Deck	1698	1665	21	12	0	33	3326	☐ Requested
☒ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	53	53	0	0	0	0	3318	☐ Requested
☒ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	53	53	0	0	0	0	3318	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	1357	1017	300	40	0	340	2816	☐ Requested
☒ Beam	1	110	Reinforced Concrete Open Girder/Beam	53	38	0	7	8	15	3306	☒ Requested
☒ Beam	2	110	Reinforced Concrete Open Girder/Beam	53	50	2	1	0	3	3306	☐ Requested
☒ Beam	3	110	Reinforced Concrete Open Girder/Beam	53	51	0	2	0	2	3306	☐ Requested
☒ Beam	4	110	Reinforced Concrete Open Girder/Beam	53	49	1	3	0	4	3306	☐ Requested
☐ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Expansion Joints	1	301	Pourable Joint Seal	33	33	0	0	0	0	3310	☐ Requested

Structure Number: 790061

Inspection Date: 10/22/2015

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	12	Reinforced Concrete Deck	1698	1665	21	12	0	33	3326	☐ Requested
☒ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	53	53	0	0	0	0	3318	☐ Requested
☒ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	53	53	0	0	0	0	3318	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	1357	1017	300	40	0	340	2816	☐ Requested
☒ Beam	1	110	Reinforced Concrete Open Girder/Beam	53	42	6	5	0	11	3306	☒ Requested
☒ Beam	2	110	Reinforced Concrete Open Girder/Beam	53	50	0	3	0	3	3306	☐ Requested
☒ Beam	3	110	Reinforced Concrete Open Girder/Beam	53	51	0	2	0	2	3306	☒ Requested
☒ Beam	4	110	Reinforced Concrete Open Girder/Beam	53	45	3	5	0	8	3306	☐ Requested
☐ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	

Structure Number: 790061

Inspection Date: 10/22/2015

Span Number 3

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☐ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Expansion Joints	1	301	Pourable Joint Seal	33	33	0	0	0	0	3310	☐ Requested

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	12	Reinforced Concrete Deck	1682	1562	120	0	0	120	3326	☐ Requested
☒ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	52	52	0	0	0	0	3318	☐ Requested
☒ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	52	52	0	0	0	0	3318	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	1344	964	300	80	0	380	2816	☐ Requested
☒ Beam	1	110	Reinforced Concrete Open Girder/Beam	52	52	0	0	0	0	3306	☐ Requested
☒ Beam	2	110	Reinforced Concrete Open Girder/Beam	52	51	1	0	0	1	3306	☐ Requested
☒ Beam	3	110	Reinforced Concrete Open Girder/Beam	52	52	0	0	0	0	3306	☐ Requested
☒ Beam	4	110	Reinforced Concrete Open Girder/Beam	52	45	2	5	0	7	3306	☐ Requested
☐ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	1	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	1	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	2	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	3	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	
☐ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Bearing Device	4	313	Fixed Bearing	1	1	0	0	0	0	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	2	0	0	0	0	3342	

Structure Number: 790061

Inspection Date: 10/22/2015

Span Number 4

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☐ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☐ Expansion Joints	1	301	Pourable Joint Seal	33	33	0	0	0	0	3310	☐ Requested

Superstructure Element Defect Descriptions

Structure Number: 790061

Inspection Date: 10/22/2015

Span Number 1

Span	1	Deck	1	Component Name:	Reinforced Concrete Deck					
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Element: 12 Name Reinforced Concrete Deck Qty: 1682 Lvl 2: 20 Lvl 3: 10 Lvl 4: 0 Maint. Qty: 30

Defect Description:

10 Square Feet of Delamination/Spall: Spall greater than 1 in. deep or greater than 6 in. in diameter. Does not warrant structural review.

BOTH OVERHANGS HAVE FEW 1 IN. DEEP X 12 IN. SQUARE SPALLS WITH EXPOSED REBAR AROUND DRAIN HOLES.

20 Square Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. BOTH OVERHANGS HAVE SEVERAL 1/2 IN. DEEP X 6 IN. DIA. POP-OFFS WITH EXPOSED REBAR AROUND DRAIN HOLES. BOTH CONCRETE CURBS HAVE AREAS OF POP-OFFS WITH EXPOSED REBAR: 1/2 IN. DEEP X 2 IN. WIDE X 12 IN. LONG. SPAN 1 CURTAIN WALL AT ABUT. 1 RT. END HAS TWO, 1/2 IN. DEEP POP-OFFS WITH EXPOSED REBAR, 3 IN. W X 1 FT. L, AND 6 IN. W X 14 IN. HIGH.

Span	1	Bridge Rail	1	Component Name:	Concrete Railing					
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Element: 331 Name Reinforced Concrete Bridge Ra Qty: 52 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

CONCRETE SHOWING SHALLOW WEAR WITH AGGREGATE EXPOSED BUT INTACT IN CONCRETE.

CONCRETE RAIL END POST UNDERMINED: FILL SLOPE ADJACENT TO ROADWAY WASHING AROUND AND UNDERNEATH 2 FT. WIDE X 3 FT. LONG X 18 IN. DEEP. PRIORITY MAINTENANCE.

Span	1	Bridge Rail	2	Component Name:	Concrete Railing					
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Element: 331 Name Reinforced Concrete Bridge Ra Qty: 52 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

CONCRETE SHOWING SHALLOW WEAR WITH AGGREGATE EXPOSED BUT INTACT IN CONCRETE.

Span	1	Wearing Surfaces		Component Name:	Asphalt Wearing Surface					
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Element: 510 Name Wearing Surface Qty: 1344 Lvl 2: 300 Lvl 3: 40 Lvl 4: 0 Maint. Qty: 340

Defect Description:

CHANGE IN AWS THICKNESS: 3/4 IN. OF AWS ADDED.

300 Square Feet of Cracking (RC and Other): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. AWS HAS SCATTERED H/L CRACKING.

40 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. AWS HAS 1/8 IN. WIDE TRANSVERSE CRACK ABOVE ABUT. 1.

Span	1	Beam	1	Component Name:	Reinforced Concrete Girder					
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Element: 110 Name Reinforced Concrete Open Gird Qty: 52 Lvl 2: 0 Lvl 3: 3 Lvl 4: 0 Maint. Qty: 3

Defect Description:

3 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. AT PIER 1, LT. BOTTOM CORNER HAS SPALL WITH EXPOSED REBAR 3 IN. DEEP X 6 IN. HIGH X 12 IN. LONG ALSO DELAMINATION ABOVE PIER 16 IN. HIGH X 16 IN. LONG.

Span	1	Beam	2	Component Name:	Reinforced Concrete Girder					
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Element: 110 Name Reinforced Concrete Open Gird Qty: 52 Lvl 2: 0 Lvl 3: 3 Lvl 4: 0 Maint. Qty: 3

Defect Description:

2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. AT PIER 1, LT. FACE HAS SPALL WITH EXPOSED VERTICAL REBAR 12 IN. HIGH X 12 IN. LONG X 1 IN. DEEP ALSO DELAMINATION ON BOTH SIDES AT BOTTOM CORNERS 2 FT. LONG X 4 IN. DEEP X 4 IN. HIGH.

Span	1	Beam	3	Component Name:	Reinforced Concrete Girder					
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Element: 110 Name Reinforced Concrete Open Gird Qty: 52 Lvl 2: 2 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 2

Defect Description:

2 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. AT PIER 1, LT. BOTTOM CORNER HAS 1/16 IN. CRACKS AND DELAMINATION 18 IN. LONG X 3 IN. HIGH X 3 IN.

DEEP.

Span	1	Beam	4	Component Name:	Reinforced Concrete Girder				
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Element: 110 Name Reinforced Concrete Open Gird Qty: 52 Lvl 2: 4 Lvl 3: 8 Lvl 4: 0 Maint. Qty: 12

Defect Description:

8 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 15 FT. FROM ABUT. 1, CORNER SPALL WITH EXPOSED REBAR AT BOTTOM, 3 FT. LONG X 3 IN. DEEP X 3 IN. HIGH. PRIORITY MAINTENANCE.

15 FT. FROM ABUT. 1, CRACKS AND DELAMINATION TO UNDERSIDE AND EAST FACE, 5 FT. LONG X 1 FT. HIGH X 3 IN. TO 14 IN. WIDE.

22 FT. FROM ABUT 1 SPALL WITH EXPOSED REBAR AND DELAMINATION TO BOTTOM 14 IN. WIDE X 2 FT. LONG X 3 IN. DEEP. EXPOSED REBAR HAS 1/8 IN. SECTION LOSS. PRIORITY MAINTENANCE.

EAST FACE 12 FT. FROM ABUT 1 DELAMINATION BELOW DRAIN HOLE, 30 IN. HIGH X 1 FT. WIDE.

4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. AT PIER 1, LT. BOTTOM CORNER HAS 1/16 IN. CRACKS AND DELAMINATION 14 IN. LONG X 4 IN. HIGH X 3 IN. WIDE. BEARING PLATES EXPOSED AT PIER 1 DUE TO SPALL IN CAP UNDER THIS SEAT.

22 FT. FROM ABUT 1 PATCH TO CORNER SPALL AT BOTTOM RT. 2 FT. LONG X 3 IN. HIGH.

Span	1	Bearing Device	1	Component Name:	Fixed Bearing				
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Element: 313 Name Fixed Bearing Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

NOT VISIBLE

Span	1	Bearing Device	1	Component Name:	Fixed Bearing				
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Element: 313 Name Fixed Bearing Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

NOT VISIBLE

Span	1	Bearing Device	2	Component Name:	Fixed Bearing				
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Element: 313 Name Fixed Bearing Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

NOT VISIBLE

Span	1	Bearing Device	2	Component Name:	Fixed Bearing				
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Element: 313 Name Fixed Bearing Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

NOT VISIBLE

Span	1	Bearing Device	3	Component Name:	Fixed Bearing				
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Element: 313 Name Fixed Bearing Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

NOT VISIBLE

Span	1	Bearing Device	3	Component Name:	Fixed Bearing				
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Element: 313 Name Fixed Bearing Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

NOT VISIBLE

Span	1	Bearing Device	4	Component Name:	Fixed Bearing				
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Element: 313 Name Fixed Bearing Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

NOT VISIBLE

Span	1	Bearing Device	4	Component Name:	Fixed Bearing				
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Element: 313 Name Fixed Bearing Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

VISIBLE ONLY DUE TO SPALL IN PIER CAP AT THIS SEAT.

Span Number 2

Span	2	Deck	1	Component Name:	Reinforced Concrete Deck				
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Element: 12 Name Reinforced Concrete Deck Qty: 1698 Lvl 2: 21 Lvl 3: 12 Lvl 4: 0 Maint. Qty: 33

Defect Description:

SPAN 2 BAY 2 CURTAIN WALL AT PIER 2 HAS CONCRETE PATCH THAT IS SOUND.

12 Square Feet of Delamination/Spall: Spall greater than 1 in. deep or greater than 6 in. in diameter. Does not warrant structural review.

BOTH OVERHANGS HAVE FEW 1 IN. DEEP X 12 IN. SQUARE SPALLS WITH EXPOSED REBAR AROUND DRAIN HOLES. UNDERSIDE OF DECK, BAY 3, 15 FT. FROM PIER 1 SPALL WITH EXPOSED REBAR 1 IN. DEEP X 2 FT. WIDE X 1 FT. LONG.

21 Square Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. BOTH OVERHANGS HAVE SEVERAL 1/2 IN. DEEP X 6 IN. DIA. POP-OFFS WITH EXPOSED REBAR AROUND DRAIN HOLES. BOTH CONCRETE CURBS HAVE AREAS OF SCALING AND PATCHES.

Span	2	Bridge Rail	1	Component Name:	Concrete Railing				
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Element: 331 Name Reinforced Concrete Bridge Ra Qty: 53 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

CONCRETE SHOWING SHALLOW WEAR WITH AGGREGATE EXPOSED BUT INTACT IN CONCRETE.

Span	2	Bridge Rail	2	Component Name:	Concrete Railing				
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Element: 331 Name Reinforced Concrete Bridge Ra Qty: 53 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

CONCRETE SHOWING SHALLOW WEAR WITH AGGREGATE EXPOSED BUT INTACT IN CONCRETE.

Span	2	Wearing Surfaces		Component Name:	Asphalt Wearing Surface				
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Element: 510 Name Wearing Surface Qty: 1357 Lvl 2: 300 Lvl 3: 40 Lvl 4: 0 Maint. Qty: 340

Defect Description:

CHANGE IN AWS THICKNESS: 3/4 IN. OF AWS ADDED.

300 Square Feet of Crack (Wearing Surface): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. AWS HAS H/L CRACKING.

40 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. AWS HAS 1/8 IN. WIDE TRANSVERSE CRACK ABOVE PIER 1.

Span	2	Beam	1	Component Name:	Reinforced Concrete Girder				
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Element: 110 Name Reinforced Concrete Open Gird Qty: 53 Lvl 2: 0 Lvl 3: 7 Lvl 4: 8 Maint. Qty: 15

Defect Description:

8 Feet of Delamination/Spall/Patched Area: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge.

9 FT. FROM PIER 1, BOTTOM OF GIRDER HAS DELAMINATION AND SPALL WITH SEVERAL EXPOSED AND DETERIORATING PIECES OF MAIN REBAR, FULL WIDTH X 6 FT. LONG X 3 IN. DEEP. CONCRETE ON LEFT FACE HERE IS UNSOUND UP TO 16 IN. HIGH. PRIORITY MAINTENANCE.

AT PIER 1, BOTTOM OF GIRDER HAS SPALL WITH SEVERAL EXPOSED MAIN REBAR PIECES 18 IN. LONG X 12 IN. WIDE X 4 IN. DEEP. PRIORITY MAINTENANCE.

7 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 16 FT. FROM PIER 2, LT. BOTTOM CORNER 1/16 IN. CRACKS AND DELAMINATION UP TO 1 FT. HIGH X 5 FT. LONG X 4 IN. WIDE.

AT PIER 2, BOTTOM RT. CORNER HAS 1/8 IN. CRACKS AND DELAMINATION 3 IN. HIGH X 20 IN. LONG X 4 IN. WIDE.

Span	2	Beam	2	Component Name:	Reinforced Concrete Girder				
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Element: 110 Name Reinforced Concrete Open Gird Qty: 53 Lvl 2: 2 Lvl 3: 1 Lvl 4: 0 Maint. Qty: 3

Defect Description:

1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. AT PIER 1, RT. BOTTOM CORNER HAS 1/16 IN. CRACKS AND DELAMINATION 12 IN. LONG X 3 IN. DEEP X 3 IN. HIGH.

2 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. AT PIER 2, SOUND PATCHES TO SPALLS ON BOTH BOTTOM CORNERS 20 IN. LONG X 5 IN. HIGH.

Span	2	Beam	3	Component Name:		Reinforced Concrete Girder							
Element:	110	Name	Reinforced Concrete Open Gird	Qty:	53	Lvl 2:	0	Lvl 3	2	Lvl 4	0	Maint. Qty	2
Defect Description:													

2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. AT PIER 2, LT. BOTTOM CORNER HAS SPALL WITH EXPOSED REBAR 20 IN. LONG X 5 IN. HIGH UP TO 3 IN. DEEP.

Span	2	Beam	4	Component Name:		Reinforced Concrete Girder							
Element:	110	Name	Reinforced Concrete Open Gird	Qty:	53	Lvl 2:	1	Lvl 3	3	Lvl 4	0	Maint. Qty	4
Defect Description:													

1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. AT PIER 1, 1 IN. DEEP POP-OFF WITH EXPOSED REBAR 4 IN. LONG X 12 IN. HIGH.

3 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 6 FT. FROM PIER 2, RT. BOTTOM CORNER 1/16 IN. CRACKS AND DELAMINATION 40 IN. LONG X 4 IN. DEEP X 4 IN. TO 16 IN. HIGH.

Span 2		Expansion Joints 1		Component Name:		Standard Joint							
Element: 301		Name Pourable Joint Seal		Qty:	33	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:													

NOT VISIBLE

Span Number 3

Span	3	Deck	1	Component Name:		Reinforced Concrete Deck							
Element:	12	Name	Reinforced Concrete Deck	Qty:	1698	Lvl 2:	21	Lvl 3	12	Lvl 4	0	Maint. Qty	33
Defect Description:													

12 Square Feet of Delamination/Spall: Spall greater than 1 in. deep or greater than 6 in. in diameter. Does not warrant structural review.
BOTH OVERHANGS HAVE FEW 1 IN. DEEP X 12 IN. SQUARE SPALLS WITH EXPOSED REBAR AROUND DRAIN HOLES. UNDERSIDE OF DECK, BAY 3, AT 1/2 PT. SPALLS WITH EXPOSED REBAR 1 IN. DEEP X 2 FT. WIDE X 3 FT. LONG.

21 Square Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. BOTH OVERHANGS HAVE SEVERAL 1/2 IN. DEEP X 6 IN. DIA. POP-OFFS WITH EXPOSED REBAR AROUND DRAIN HOLES. BOTH CONCRETE CURBS HAVE AREAS OF SCALING AND PATCHES. SPAN 3, DECK UNDERSIDE CONCRETE PATCH TO SPALL IN BAY 3, NEAR 1/2 PT.

Span 3	Bridge Rail	1	Component Name:		Concrete Railing							
Element: 331	Name	Reinforced Concrete Bridge Ra	Qty:	53	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:												

CONCRETE SHOWING SHALLOW WEAR WITH AGGREGATE EXPOSED BUT INTACT IN CONCRETE.

Span	3	Bridge Rail	2	Component Name:		Concrete Railing							
Element:	331	Name	Reinforced Concrete Bridge Ra	Qty:	53	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:													

CONCRETE SHOWING SHALLOW WEAR WITH AGGREGATE EXPOSED BUT INTACT IN CONCRETE.

Span	3	Wearing Surfaces			Component Name:		Asphalt Wearing Surface							
Element:	510	Name	Wearing Surface		Qty:	1357	Lvl 2:	300	Lvl 3	40	Lvl 4	0	Maint. Qty	340
Defect Description:														

CHANGE IN AWS THICKNESS: 3/4 IN. OF AWS ADDED.

300 Square Feet of Crack (Wearing Surface): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. AWS HAS H/L CRACKING.

40 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. AWS HAS 1/8 IN. WIDE TRANSVERSE CRACK ABOVE PIER 2.

Span	3	Beam	1	Component Name:		Reinforced Concrete Girder							
Element:	110	Name	Reinforced Concrete Open Gird	Qty:	53	Lvl 2:	6	Lvl 3	5	Lvl 4	0	Maint. Qty	11
Defect Description:													

5 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. 15 FT. FROM PIER 2, BOTTOM CORNERS HAVE SPALLS

WITH EXPOSED REBAR, 1/16 IN. CRACKS AND DELAMINATION 3 IN. DEEP X 3 IN. HIGH X 5 FT. LONG. PRIORITY MAINTENANCE.

6 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound.

4 FT. FROM PIER 3, LEFT SIDE AND BOTTOM OF GIRDER HAS 1/16 IN. CRACKS AND DELAMINATION 3 FT. LONG X 1 FT. WIDE X 15 IN. TO 30 IN. HIGH.

16 FT. FROM PIER 3, RT. BOTTOM CORNER OF GIRDER HAS 1/16 IN. CRACKS AND DELAMINATION 20 IN. LONG X 4 IN. WIDE X 3 IN. HIGH.

18 FT. FROM PIER 3, LT. SIDE HAS DELAMINATION 1 FT. DIA. X 1/2 IN. DEEP.

SPAN 3, GIRDER 1, AT PIER 2 RT. BOTTOM CORNER 1/16 IN. CRACKS WITH DELAMINATION 4 IN. HIGH X 3 FT. LONG X 4 IN. WIDE.

SPAN 3, GIRDER 1, AT PIER 2 LT. BOTTOM CORNER HAS SOUND PATCH TO SPALL 18 IN. LONG X 3 IN. HIGH X 3 IN. WIDE.

Span	3	Beam	2	Component Name:		Reinforced Concrete Girder							
Element:	110	Name	Reinforced Concrete Open Gird	Qty:	53	Lvl 2:	0	Lvl 3	3	Lvl 4	0	Maint. Qty	3
Defect Description:													

Defect Description:

2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review.

BOTTOM OF GIRDER, 1 FT. FROM PIER 3, HAS A CONCRETE PATCH AND 1/8 IN. CRACK AND DELAMINATION IN BOTTOM RT. SIDE 5 IN. HIGH X 18 IN. LONG X 17 IN. WIDE ACROSS THE BOTTOM. THE CONCRETE PATCH IS ON THE LT. BOTTOM CORNER AND UNDERSIDE, 5 IN. HIGH X 30 IN. LONG. IT IS SOUND ON THE LEFT SIDE ONLY, 1 IN. WIDE ACROSS THE BOTTOM X 5 IN. HIGH X 30 IN. LONG.

Span	3	Beam	3	Component Name:		Reinforced Concrete Girder							
Element:	110	Name	Reinforced Concrete Open Gird	Qty:	53	Lvl 2:	0	Lvl 3	2	Lvl 4	0	Maint. Qty	2
Defect Description:													

Defect Description:

2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. SPAN 3, GIRDER 3, AT PIER 3, BOTTOM OF GIRDER HAS DELAMINATION 2 FT. LONG X FULL WIDTH X 5 IN. HIGH, AND A SPALL WITH EXPOSED REBAR ON RT. SIDE AT BOTTOM, 5 IN. HIGH X 12 IN. LONG X 1 IN. TO 3 IN. DEEP. PRIORITY MAINTENANCE.

Span	3	Beam	4	Component Name:		Reinforced Concrete Girder							
Element:	110	Name	Reinforced Concrete Open Gird	Qty:	53	Lvl 2:	3	Lvl 3	5	Lvl 4	0	Maint. Qty	8
Defect Description:													

Defect Description:

5 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. 10 FT. FROM PIER 2, BOTTOM RT. SIDE OF GIRDER HAS 1/16 IN. TO 1/8 IN. WIDE LONGITUDINAL CRACKS WITH DELAMINATION 12 IN. HIGH X 4 FT. LONG X 3 IN. WIDE AT BOTTOM.

3 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. AT PIER 3, SOUND PATCHES TO BOTTOM 5 IN. OF GIRDER, FULL WIDTH X 30 IN. LONG, AND ON RT. FACE AT GIRDER END, 1 FT. LONG.

POP-OFF WITH EXPOSED VERTICAL. REBAR ON LT. FACE AT PIER 3, 6 IN. DIA. X 1 IN. DEEP.

Span 3		Expansion Joints 1		Component Name:		Standard Joint							
Element: 301		Name Pourable Joint Seal		Qty: 33		Lvl 2: 0		Lvl 3: 0		Lvl 4: 0		Maint. Qty: 0	
Defect Description:													

Defect Description:

NOT VISIBLE

Span Number 4

Span	4	Deck	1	Component Name:		Reinforced Concrete Deck							
Element:	12	Name	Reinforced Concrete Deck	Qty:	1682	Lvl 2:	120	Lvl 3	0	Lvl 4	0	Maint. Qty	120
Defect Description:													

Defect Description:

20 Square Feet of Delamination/Spall: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. OVERHANGS HAVE SEVERAL 1 IN. DEEP X 6 IN. DIA. POP-OFFS W/ EXPOSED REBAR AND AREAS OF CRACKS AND DELAMINATION UP TO 1 FT. DIA. AROUND SEVERAL DRAIN HOLES. NEAR PIER 3, LT. OVERHANG HAS REPAIR TO SPALLS WITH

CONCRETE PATCHES 3 FT. LONG X 2 FT. WIDE.

100 Square Feet of Abrasion/Wear (PSC/RC): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. BOTH CURBS HAVE UP TO 1/2 IN. DETERIORATION AND CONCRETE PATCHES WITH H/L CRACKS THROUGHOUT.

Span	4	Bridge Rail	1	Component Name:	Concrete Railing				
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Element: 331 Name Reinforced Concrete Bridge Ra Qty: 52 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

CONCRETE SHOWING SHALLOW WEAR WITH AGGREGATE EXPOSED BUT INTACT IN CONCRETE.

Span	4	Bridge Rail	2	Component Name:	Concrete Railing				
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Element: 331 Name Reinforced Concrete Bridge Ra Qty: 52 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

CONCRETE SHOWING SHALLOW WEAR WITH AGGREGATE EXPOSED BUT INTACT IN CONCRETE.

Span	4	Wearing Surfaces		Component Name:	Asphalt Wearing Surface				
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Element: 510 Name Wearing Surface Qty: 1344 Lvl 2: 300 Lvl 3: 80 Lvl 4: 0 Maint. Qty: 380

Defect Description:

CHANGE IN AWS THICKNESS: 3/4 IN. OF AWS ADDED.

300 Square Feet of Crack (Wearing Surface): Width 0.012-0.05 in. or spacing of 1.0-3.0 ft. AWS HAS H/L CRACKING.

80 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. AWS HAS 1/8 IN. WIDE TRANSVERSE CRACK ABOVE PIER 3 AND ABUT. 2.

Span	4	Beam	2	Component Name:	Reinforced Concrete Girder				
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Element: 110 Name Reinforced Concrete Open Gird Qty: 52 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 1

Defect Description:

1 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. SPAN 4, GIRDER 2 AT PIER 3, HAS CONCRETE PATCH TO BOTTOM OF GIRDER, 3 IN. H X FULL WIDTH X 1 FT. LONG.

Span	4	Beam	4	Component Name:	Reinforced Concrete Girder				
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Element: 110 Name Reinforced Concrete Open Gird Qty: 52 Lvl 2: 2 Lvl 3: 5 Lvl 4: 0 Maint. Qty: 7

Defect Description:

2 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. SPAN 4, GIRDER 4 AT PIER 3, SOUND CONCRETE PATCH TO BOTTOM OF GIRDER 4 IN. H X FULL WIDTH X 2 FT. LONG.

5 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. SPAN 4, GIRDER 4, 16 FT. FROM ABUT 2, BOTTOM OF GIRDER HAS 1/8 IN. CRACKS AND DELAMINATION, 3 IN. H X FULL WIDTH X 5 FT. LONG.

Span	4	Expansion Joints	1	Component Name:	Standard Joint				
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Element: 301 Name Pourable Joint Seal Qty: 33 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

NOT VISIBLE

Substructure Detailed Element Quantities

Structure Number: 790061

Inspection Date: 10/22/2015

End Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	234	Reinforced Concrete Pier Cap	31	27	0	4	0	4	3348	☐ Requested
☐ Piles and Columns	3	205	Reinforced Concrete Column	1	1	0	0	0	0	3348	☐ Requested
☐ Piles and Columns	2	205	Reinforced Concrete Column	1	1	0	0	0	0	3348	☐ Requested
☐ Piles and Columns	1	205	Reinforced Concrete Column	1	1	0	0	0	0	3348	☐ Requested

Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	234	Reinforced Concrete Pier Cap	28	0	0	28	0	28	3348	☐ Requested
☒ Piles and Columns	1	205	Reinforced Concrete Column	1	0	1	0	0	10	3348	☐ Requested
☒ Piles and Columns	2	205	Reinforced Concrete Column	1	0	0	1	0	7	3348	☒ Requested

Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	234	Reinforced Concrete Pier Cap	28	3	24	1	0	1	3348	☐ Requested
☒ Piles and Columns	1	205	Reinforced Concrete Column	1	0	1	0	0	1	3348	☐ Requested
☒ Piles and Columns	2	205	Reinforced Concrete Column	1	0	1	0	0	1	3348	☐ Requested

Bent 3

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	234	Reinforced Concrete Pier Cap	28	6	22	0	0	1	3348	☐ Requested
☒ Piles and Columns	1	205	Reinforced Concrete Column	1	0	1	0	0	1	3348	☐ Requested
☒ Piles and Columns	2	205	Reinforced Concrete Column	1	0	0	1	0	10	3348	☐ Requested

Structure Number: 790061

Inspection Date: 10/22/2015

End Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Caps	1	234	Reinforced Concrete Pier Cap	31	31	0	0	0	0	3348	☐ Requested
☐ Piles and Columns	1	205	Reinforced Concrete Column	1	1	0	0	0	0	3348	☐ Requested
☐ Piles and Columns	2	205	Reinforced Concrete Column	1	1	0	0	0	0	3348	☐ Requested
☐ Piles and Columns	3	205	Reinforced Concrete Column	1	1	0	0	0	0	3348	☐ Requested

Substructure Element Defect Descriptions

Structure Number: 790061

Inspection Date: 10/22/2015

End Bent 1

End Bent 1	Row 1	Caps	1
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Element: 234 **Name** Reinforced Concrete Pier Cap **Qty:** 31 **Lvl 2:** 0 **Lvl 3** 4 **Lvl 4** 0 **Maint. Qty** 4

Defect Description:

4 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.

4 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound.

ABUT. 1 CAP AT SEAT 1, HAS 1/16 IN. CRACKS AND DELAMINATION 2 FT. LONG X 5 IN. HIGH X 4 IN. WIDE. MOISTURE SEEPING FROM CRACKS WITH RUST STAINS.

ABUT 1 CAP, AT SEAT 4, TOP OF CAP HAS 1/16 IN. CRACKS AND DELAMINATION, 2 FT. LONG X 14 IN. WIDE X 3 IN. HIGH.

End Bent 1	Row 1	Piles and Columns	3
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Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 0

Defect Description:

NOT VISIBLE

End Bent 1	Row 1	Piles and Columns	2
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Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 0

Defect Description:

NOT VISIBLE

End Bent 1	Row 1	Piles and Columns	1
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Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 0

Defect Description:

TOP 1 FT. OF COLUMN ONLY VISIBLE AND EXPOSED DUE TO WASHING OF SLOPE.

Bent 1	Row 1	Caps	1
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Element: 234 **Name** Reinforced Concrete Pier Cap **Qty:** 28 **Lvl 2:** 0 **Lvl 3** 28 **Lvl 4** 0 **Maint. Qty** 28

Defect Description:

28 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. CAP BOTH FACES AND ENDS HAVE 1/16 IN. TO 1/8 IN. WIDE CRACKS THROUGHOUT.

6 Feet of Delamination/Spall/Patched Area: Spall greater than 1 inch deep or greater than 6 inches in diameter. Patched area that is unsound or showing distress. Condition does not warrant structural Review. PIER 1 CAP, SOUTH FACE, AT SEAT 4, AREA OF 1/2 IN. DEEP DETERIORATION AND SPALL 3 IN. DEEP X 2 FT. L X 10 IN. H, WITH EXPOSED REBAR 4 IN. LONG WITH SECTION LOSS. SEAT 4 BEARING PLATE EDGE EXPOSED WITHOUT BEARING LOSS.

PIER 1, RIGHT END, NORTH FACE, END OF KNEE BRACE TO CAP HAS SPALL WITH EXPOSED REBAR, 10 IN. L X 8 IN. H X 3 IN. DEEP. AND 1/8 IN. CRACKS WITH DELAMINATION.

PIER 1 CAP, SOUTH FACE BETWEEN SEATS 3 & 4, UNSOUND CONCRETE PATCH WITH H/L CRACKS, DELAMINATION 20 IN. DIA., & SPALL 3/4 IN. DEEP.

7 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound. PIER 1 CAP HAS CONCRETE PATCHING ON BOTTOM AT COLUMN 1, BOTH SIDES, 2.5 FT. L X 1 FT. H.

PIER 1 CAP, NORTH FACE WITH SEVERAL SCATTERED 1/2 IN. DEEP POP-OFFS UP TO 6 IN. DIA.

Bent 1	Row 1	Piles and Columns	1
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Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 1 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 10

Defect Description:

1 Each of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PIER 1 NORTH SIDE, COLUMN 1 HAS CONCRETE PATCHING FULL CIRCUMFERENCE X 10 FT. LONG.

Bent 1	Row 1	Piles and Columns	2
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Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 7

Defect Description:

1 Each of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. PIER 1 COLUMN 2, N W CORNER SPALL WITH EXPOSED REBAR 7 FT. H X 4 IN. DEEP X 1 FT. W., AND DELAMINATION. PRIORITY MAINTENANCE.

Bent 2 **Row** 1 **Caps** 1

Element: 234 **Name** Reinforced Concrete Pier Cap **Qty:** 28 **Lvl 2:** 24 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

1 Feet of Delamination/Spall/Patched Area: Spall greater than 1 inch deep or greater than 6 inches in diameter. Patched area that is unsound or showing distress. Condition does not warrant structural Review. PIER 2 CAP LEFT END, TOP N W CORNER, SPALL WITH EXPOSED REBAR 4 IN. D X 20 IN. H X 1 FT. LONG.

24 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound. REPAIR TO SPALLS BETWEEN SEATS 1 AND 2 WITH CONCRETE PATCHES TO CAP, PATCHING DONE ON BOTH SIDES AT ALL SEATS AND ON ENDS.

Bent 2 **Row** 1 **Piles and Columns** 1

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 1 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

1 Each of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. REPAIR TO CRACKS IN COLUMN WITH CONCRETE PATCHING.

Bent 2 **Row** 1 **Piles and Columns** 2

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 1 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

1 Each of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. PIER 2, COLUMN 2 REPAIR TO SPALLS ON EAST SIDE WITH CONCRETE PATCHING.

Bent 3 **Row** 1 **Caps** 1

Element: 234 **Name** Reinforced Concrete Pier Cap **Qty:** 28 **Lvl 2:** 22 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

22 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 inch or less deep or 6 inches or less in diameter. Patched area that is sound. CONCRETE REPAIR TO SPALL IN CAP AND KNEE BRACE NORTH FACE LEFT END AND ON BOTH FACES BELOW ALL SEATS AND RT. END.

Bent 3 **Row** 1 **Piles and Columns** 1

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 1 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 1

Defect Description:

1 Each of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. CONCRETE PATCHWORK DONE TO CRACKS.

Bent 3 **Row** 1 **Piles and Columns** 2

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 1 **Lvl 4** 0 **Maint. Qty** 10

Defect Description:

1 Each of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. CONCRETE REPAIR TO EAST SIDE OF COLUMN WITH 1/8 IN. CRACKS AND DELAMINATION ON N E CORNER.

End Bent 2 **Row** 1 **Piles and Columns** 1

Element: 205 **Name** Reinforced Concrete Column **Qty:** 1 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 0

Defect Description:

NOT VISIBLE

Inspection Date: 10/22/2015

End Bent 2	Row 1	Piles and Columns	3									
Element: 205	Name	Reinforced Concrete Column	Qty:	1	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:												
NOT VISIBLE												

National Bridge and NC Inspection Items

Structure Number: 790061

Inspection Date: 10/22/2015

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	5
Item 59: Superstructure	0 - 9 , N	4
Item 60: Substructure	0 - 9 , N	5
Item 61: Channel and Channel Protection	0 - 9 , N	7
Item 62: Culvert	0 - 9 , N	
Item 71: Waterway Adequacy	0 - 9 , N	7
Item 72: Approach Roadway Alignment	0 - 9 , N	8

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	F	120	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	F	20	3350
Field Scour Evaluation		O		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	10		

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	8
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	Y

National Bridge and NC SMU Inspection Item Details

Structure Number: 790061

Inspection Date: 10/22/2015

Item	Superstructure - Item 59	Grade	4	Maint Code		Qty.	0
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Details BEARINGS NOT VISIBLE

Item	Priority Maintenance Issued	Grade	Y	Maint Code		Qty.	0
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Details PRIORITY MAINTENANCE ISSUED FOR CONCRETE GIRDERS, SLOPE PROTECTION, AND PIER COLUMN.

Item	Other Equipment Used	Grade	Y	Maint Code		Qty.	0
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Details HYDRO-PLATFORM

Item	Slope Protection	Grade	F	Maint Code	3352	Qty.	120
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Details SOUTH SLOPE WASHING 3 FT. D. X 7 FT. W. X 15 FT. L. AT ABUT. 1 LT. SIDE CAP UNDERMINED 1FT. X 3 FT. LONG EXPOSING TOP OF COLUMN 1. PRIORITY MAINTENANCE.

Item	Wingwalls	Grade	F	Maint Code	3350	Qty.	20
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Details FILL SLOPE WASHING AROUND AND UNDERNEATH SW WINGWALL 18 IN. WIDE X 4 FT. LONG X 18 IN. DEEP. PRIORITY MAINTENANCE.

(6) FAIR- REMAINING WINGWALLS HAVE H/L CRACKS.

Item	Field Scour Evaluation	Grade	O	Maint Code		Qty.	0
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Details SEE BRIDGE SCOUR REPORT 5/8/98
NOT SCOUR CRITICAL



SPAN 1 AWS H/L MAP CRACKING



SPAN 1 RT. CONCRETE CURB AREAS OF SCALING AND POP-OFFS WITH EXPOSED REBAR: 1/2 IN. DEEP X 2 IN. WIDE X 12 IN. LONG



SPAN 1 AWS HAS 1/8 IN. WIDE TRANSVERSE CRACK ABOVE ABUT. 1.



SPAN 1 LT. CONCRETE CURB AREAS OF SCALING AND POP-OFFS WITH EXPOSED REBAR: 1/2 IN. DEEP X 2 IN. WIDE X 12 IN. LONG



SPAN 1, LT CONCRETE RAIL END POST UNDERMINED: FILL WASHING AROUND AND UNDERNEATH 2 FT. WIDE X 3 FT. LONG X 18 IN. DEEP. PRIORITY MAINTENANCE.



FILL SLOPE WASHING AROUND AND UNDERNEATH SW WINGWALL 18 IN. WIDE X 4 FT. LONG X 18 IN. DEEP. PRIORITY MAINTENANCE.



SOUTH SLOPE WASHING 3 FT. D. X 7 FT. W. X 15 FT. L. AT ABUT. 1 LT. SIDE CAP UNDERMINED 1FT. X 3 FT. LONG EXPOSING TOP OF COLUMN 1. PRIORITY MAINTENANCE.



SPAN 1 LT. OVERHANG HAS SEVERAL 1/2 IN. DEEP POP-OFFS WITH EXPOSED REBAR AROUND DRAIN HOLES



SPAN 1 LT. OVERHANG HAS A FEW 1 IN. DEEP SPALLS WITH EXPOSED REBAR AROUND DRAIN HOLES



ABUT. 1 CAP HAS 1/16 IN. CRACKS AND DELAMINATION AT SEAT 1, 2 FT. LONG X 5 IN. HIGH X 4 IN. WIDE. MOISTURE SEEPING FROM CRACKS WITH RUST STAINS.



SPAN 1, GIRDER 4, 15 FT. FROM ABUT. 1, CRACKS, DELAMINATION AND CORNER SPALL WITH EXPOSED REBAR AT BOTTOM, 3 FT. LONG X 3 IN. DEEP X 3 IN. HIGH. PRIORITY MAINTENANCE.



ABUT 1 CAP, AT SEAT 4, TOP OF CAP HAS 1/16 IN. CRACKS AND DELAMINATION, 2 FT. LONG X 14 IN. WIDE X 3 IN. HIGH.



SPAN 1 CURTAIN WALL AT ABUT. 1 RT. END HAS 1/2 IN. DEEP POP-OFFS WITH EXPOSED REBAR UP TO 6 IN. WIDE X 14 IN. HIGH.



SPAN 1 GIRDER 4 EAST FACE 12 FT. FROM ABUT 1 DELAMINATION BELOW DRAIN HOLE, 30 IN. HIGH X 1 FT. WIDE.



SPAN 1 RT. OVERHANG HAS SEVERAL 1/2 IN. DEEP POP-OFFS WITH EXPOSED REBAR AROUND DRAIN HOLES



SPAN 1, GIRDER 4, 15 FT. FROM ABUT. 1, CRACKS, DELAMINATION 5FT. LONG X 1 FT. HIGH X 3 IN. TO 14 IN. WIDE, 5 IN. DIA. X 1/2 IN. DEEP POP-OFF ON EAST FACE AND A CORNER SPALL WITH EXPOSED REBAR AT BOTTOM, 3 FT. LONG X 3 IN. DEEP X 3 IN. HIGH. PRIORITY MAINTENANCE.



SPAN 1, GIRDER 4, 22 FT. FROM ABUT 1 PATCH TO CORNER SPALL AT BOTTOM.



SPAN 1, GIRDER 4, 22 FT. FROM ABUT 1 SPALL WITH EXPOSED REBAR AND DELAMINATION TO BOTTOM 14. IN WIDE X 2 FT. LONG X 3 IN. DEEP. EXPOSED REBAR HAS 1/8 IN. SECTION LOSS. PRIORITY MAINTENANCE.



SPAN 1, GIRDER 4, 22 FT. FROM ABUT 1 SPALL WITH EXPOSED REBAR AND DELAMINATION TO BOTTOM 14. IN WIDE X 2 FT. LONG X 3 IN. DEEP. EXPOSED REBAR HAS 1/8 IN. SECTION LOSS. PRIORITY MAINTENANCE.



SPAN 1, GIRDER 4 AT PIER 1, LT. BOTTOM CORNER HAS 1/16 IN. CRACKS AND DELAMINATION 14 IN. LONG X 4 IN. HIGH X 3 IN. DEEP.



Span 1 Beam 3: 2 Feet of Delamination/Spall/Patched Area: Delaminated. Spall 1 in. or less deep or 6 in. or less in diameter. Patched area that is sound. AT PIER 1, LT. BOTTOM CORNER HAS 1/16 IN. CRACKS AND DELAMINATION 18 IN. LONG X 3 IN. HIGH X 3 IN. DEEP.



Span 1 Beam 2: 2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. AT PIER 1, LT. FACE HAS SPALL WITH EXPOSED VERTICAL REBAR 12 IN. HIGH X 12 IN. LONG X 1 IN. DEEP ALSO DELAMINATION ON BOTH SIDES AT BOTTOM CORNERS 2 FT. LONG X 4 IN. DEEP X 4 IN. HIGH.



SPAN 1 GIRDER 2 AT PIER 1 BOTTOM RT. CORNER HAS 1/16 IN. CRACKS AND DELAMINATION 18 IN. LONG X 6 IN. HIGH X 4 IN. DEEP.



Span 1 Beam 1: 3 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. AT PIER 1, LT. BOTTOM CORNER HAS SPALL WITH EXPOSED REBAR 3 IN. DEEP X 6 IN. HIGH X 12 IN. LONG ALSO DELAMINATION ABOVE PIER 16 IN. HIGH X 16 IN. LONG.



SPAN 2 BAY 2 CURTAIN WALL AT PIER 2 HAS CONCRETE PATCH THAT IS SOUND.



SPAN 2, UNDERSIDE OF DECK, BAY 3, 15 FT. FROM PIER 1 SPALLS WITH EXPOSED REBAR 1 IN. DEEP X 2 FT. WIDE X 1 FT. LONG.



SPAN 2, GIRDER 1, AT PIER 2 BOTTOM RT. CORNER HAS 1/8 IN. CRACKS AND DELAMINATION 3 IN. HIGH X 20 IN. LONG X 4 IN. WIDE.



SPAN 2, GIRDER 1, 16 FT. FROM PIER 2, LT. BOTTOM CORNER 1/16 IN. CRACKS AND DELAMINATION UP TO 1 FT. HIGH X 5 FT. LONG X 4 IN. WIDE.



SPAN 2, GIRDER 1, 9 FT. FROM PIER 1, BOTTOM OF GIRDER HAS DELAMINATION AND SPALL WITH SEVERAL EXPOSED AND DETERIORATING PIECES OF MAIN REBAR, FULL WIDTH X 6 FT. LONG X 3 IN. DEEP. CONCRETE ON LEFT FACE HERE IS UNSOUND UP TO 16 IN. HIGH. PRIORITY MAINTENANCE.



SPAN 2, GIRDER 1, 9 FT. FROM PIER 1, BOTTOM OF GIRDER HAS DELAMINATION AND SPALL WITH SEVERAL EXPOSED AND DETERIORATING PIECES OF MAIN REBAR, FULL WIDTH X 6 FT. LONG X 3 IN. DEEP. CONCRETE ON LEFT FACE HERE IS UNSOUND UP TO 16 IN. HIGH. PRIORITY MAINTENANCE.



SPAN 2, GIRDER 1 AT PIER 1, BOTTOM OF GIRDER HAS SPALL WITH SEVERAL EXPOSED MAIN REBAR PIECES 18 IN. LONG X 12 IN. WIDE X 4 IN. DEEP. PRIORITY MAINTENANCE.



SPAN 2, GIRDER 2, AT PIER 2, PATCH TO SPALL ON LT. BOTTOM CORNER 20 IN. LONG X 5 IN. HIGH.



SPAN 2, GIRDER 2, AT PIER 2, PATCH TO SPALL ON RT. BOTTOM CORNER 20 IN. LONG X 5 IN. HIGH.



SPAN 2, GIRDER 2, AT PIER 1, RT. BOTTOM CORNER HAS 1/16 IN. CRACKS AND DELAMINATION 12 IN. LONG X 3 IN. DEEP X 3 IN. HIGH.



Span 2 Beam 3: 2 Feet of Delamination/Spall/Patched Area: Spall greater than 1 in. deep or greater than 6 in. diameter. Patched area that is unsound or showing distress. Does not warrant structural review. AT PIER 2, LT. BOTTOM CORNER HAS SPALL WITH EXPOSED REBAR 20 IN. LONG X 5 IN. HIGH UP TO 3 IN. DEEP.



SPAN 2, GIRDER 4, AT PIER 1, RT. SIDE HAS 1 IN. DEEP POP-OFF 4 IN. LONG X 12 IN. HIGH.



SPAN 2, GIRDER 4, 6 FT. FROM PIER 2, RT. BOTTOM CORNER 1/16 IN. CRACKS AND DELAMINATION 40 IN. LONG X 4 IN. DEEP X 4 IN. TO 16 IN. HIGH.



SPAN 3, GIRDER 1, 4 FT. FROM PIER 3, LEFT SIDE AND BOTTOM OF GIRDER HAS 1/16 IN. CRACKS AND DELAMINATION 3 FT. LONG X 1 FT. WIDE X 15 IN. TO 30 IN. HIGH.



SPAN 3, GIRDER 1, 16 FT. FROM PIER 3, RT. BOTTOM CORNER OF GIRDER HAS 1/16 IN. CRACKS AND DELAMINATION 20 IN. LONG X 4 IN. WIDE X 3 IN. HIGH.



SPAN 3, GIRDER 1, 18 FT. FROM PIER 3, LT. SIDE HAS DELAMINATION 1 FT. DIA. X 1/2 IN. DEEP.



SPAN 3, GIRDER 1, 19 FT. FROM PIER 2, RT. BOTTOM CORNER HAS 1/16 IN. CRACKS WITH DELAMINATION 2 FT. LONG, AND A SPALL WITH EXPOSED REBAR 3 IN. DEEP X 3 IN. HIGH X 1 FT. LONG. PRIORITY MAINTENANCE.



SPAN 3, GIRDER 1, 15 FT. FROM PIER 2, LT. BOTTOM CORNER HAS SPALL WITH EXPOSED REBAR 3 IN. DEEP X 3 IN. HIGH X 5 FT. LONG. PRIORITY MAINTENANCE.



SPAN 3, GIRDER 1, 15 FT. FROM PIER 2, BOTTOM CORNERS HAVE SPALLS WITH EXPOSED MAIN REBAR 3 IN. DEEP X 3 IN. HIGH X UP TO 5 FT. LONG. PRIORITY MAINTENANCE.



SPAN 3, GIRDER 1, AT PIER 2 RT. BOTTOM CORNER 1/16 IN. CRACKS WITH DELAMINATION 4 IN. HIGH X 3 FT. LONG X 4 IN. WIDE.



SPAN 3, GIRDER 1, AT PIER 2 LT. BOTTOM CORNER HAS SOUND PATCH TO SPALL 18 IN. LONG X 3 IN. HIGH X 3 IN. WIDE.



SPAN 3, UNDERSIDE OF DECK, BAY 3, AT 1/2 PT. SPALLS WITH EXPOSED REBAR 1 IN. DEEP X 2 FT. WIDE X 3 FT. LONG.



SPAN 3, BOTH OVERHANGS HAVE SPALLS WITH EXPOSED REBAR AND DELAMINATION AROUND DRAIN HOLES.



SPAN 3, GIRDER 2 AT PIER 3 HAS A CONCRETE PATCH AND 1/8 IN. CRACK AND DELAMINATION IN BOTTOM RT. SIDE 5 IN. HIGH X 18 IN. LONG X 17 IN. WIDE ACROSS THE BOTTOM.



SPAN 3, GIRDER 2, AT PIER 3 LT SIDE HAS PATCH, 30 IN. LONG X 5 IN. HIGH, TO BOTTOM WITH DELAMINATION IN UNDERSIDE.



SPAN 3, GIRDER 3, AT PIER 3, BOTTOM OF GIRDER HAS DELAMINATION 2 FT. LONG X FULL WIDTH X 5 IN. HIGH, AND A SPALL WITH EXPOSED REBAR ON RT. SIDE AT BOTTOM, 5 IN. HIGH X 12 IN. LONG X 1 IN. TO 3 IN. DEEP.



SPAN 3, GIRDER 3, AT PIER 3, BOTTOM OF GIRDER HAS DELAMINATION 2 FT. LONG X FULL WIDTH X 5 IN. HIGH. LT. SIDE SHOWN HERE.



Span 3 Beam 4: 5 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. 10 FT. FROM PIER 2, BOTTOM RT. SIDE OF GIRDER HAS 1/16 IN. TO 1/8 IN. WIDE LONGITUDINAL CRACKS WITH DELAMINATION 12 IN. HIGH X 4 FT. LONG X 3 IN. WIDE AT BOTTOM.



SPAN 3, GIRDER 3, AT PIER 3, BOTTOM 5 IN. OF GIRDER HAS A SOUND CONCRETE PATCH, FULL WIDTH X 30 IN. LONG. POP-OFF WITH EXPOSED VERTICAL. REBAR ON LT. FACE AT PIER 3, 6 IN. DIA. X 1 IN. DEEP.



SPAN 3, GIRDER 3, AT PIER 3, HAS SOUND PATCHES ON BOTTOM 5 IN. OF GIRDER, FULL WIDTH X 30 IN. LONG, AND ON RT. FACE AT GIRDER END, 1 FT. LONG.



SPAN 4, LT. OVERHANG AREAS OF CRACKS AND DELAMINATION UP TO 1 FT. DIA. AROUND SEVERAL DRAIN HOLES.



SPAN 4, RT. OVERHANG HAS FEW 1 IN. DEEP X 6 IN. DIA. POP-OFFS W/ EXPOSED REBAR AND AREAS OF CRACKS AND DELAMINATION UP TO 8 IN. DIA. AROUND SEVERAL DRAIN HOLES.



SPAN 4 LT. OVERHANG, NEAR PIER 3, HAS REPAIR TO SPALLS WITH CONCRETE PATCHES 3 FT. LONG X 2 FT. WIDE.



SPAN 4 DECK, RT. CURB HAS UP TO 1/2 IN. DETERIORATION AND CONCRETE PATCHES WITH H/L CRACKS.



SPAN 4, GIRDER 2 AT PIER 3, HAS CONCRETE PATCH TO BOTTOM OF GIRDER, 3 IN. H X FULL WIDTH X 1 FT. LONG. RT. SIDE SHOWN.



SPAN 4, GIRDER 2 AT PIER 3, HAS CONCRETE PATCH TO BOTTOM OF GIRDER, 3 IN. H X FULL WIDTH X 1 FT. LONG. LT. SIDE SHOWN.



SPAN 4, GIRDER 4 AT PIER 3, SOUND CONCRETE PATCH TO BOTTOM OF GIRDER 4 IN. H X FULL WIDTH X 2 FT. LONG. LT. SIDE SHOWN.



SPAN 4, GIRDER 4, 16 FT. FROM ABUT 2, BOTTOM OF GIRDER HAS 1/8 IN. CRACKS AND DELAMINATION, 3 IN. H X FULL WIDTH X 5 FT. LONG. LT. SIDE SHOWN.



SPAN 4, GIRDER 4, 16 FT. FROM ABUT 2, BOTTOM OF GIRDER HAS 1/8 IN. CRACKS AND DELAMINATION, 3 IN. H X FULL WIDTH X 5 FT. LONG. RT. SIDE SHOWN.



PIER 1, NORTH SIDE, CONCRETE PATCHING ON BOTTOM OF CAP AT COLUMN 1, 2.5FT. L X 1 FT. H.



PIER 1 LT. END OF CAP HAS 1/32 IN. MAP CRACKING



PIER 1 CAP, NORTH FACE 1/16 IN. CRACKS THROUGHOUT WITH SEVERAL SCATTERED 1/2 IN. DEEP POP-OFFS UP TO 6 IN. DIA.



PIER 1 NORTH SIDE, COLUMN 1 HAS CONCRETE PATCHING FULL CIRCUMFERENCE X 10 FT. LONG.



PIER 1, RIGHT END, NORTH FACE, END OF KNEE BRACE TO CAP HAS SPALL WITH EXPOSED REBAR, 10 IN. L X 8 IN. H X 3 IN. DEEP. AND 1/8 IN. CRACKS WITH DELAMINATION.



PIER 1 COLUMN 2, N W CORNER SPALL WITH EXPOSED REBAR 7 FT. H X 4 IN. DEEP X 1 FT. W., AND DELAMINATION. PRIORITY MAINTENANCE.



PIER 1 CAP, RIGHT END, END OF KNEE BRACE HAS SPALL WITH EXPOSED REBAR, 10 IN. L X 8 IN. H X 3 IN. DEEP. AND 1/8 IN. CRACKS WITH DELAMINATION.



PIER 1 COLUMN 1 HAS CONCRETE PATCHING FULL CIRCUMFERENCE X 10 FT. L.



PIER 1, SOUTH SIDE, CAP HAS 1/16 IN. TO 1/8 IN. CRACKS THROUGHOUT WITH CONCRETE PATCH BETWEEN SEATS 3 AND 4.



PIER 1 CAP, SOUTH FACE, AT SEAT 4, AREA OF 1/2 IN. DEEP DETERIORATION AND SPALL 3 IN. DEEP X 2 FT. L X 10 IN. H, WITH EXPOSED REBAR 4 IN. LONG WITH SECTION LOSS. SEAT 4 BEARING PLATE EDGE EXPOSED WITHOUT BEARING LOSS.



PIER 1 CAP, SOUTH FACE BETWEEN SEATS 3 & 4, UNSOUND CONCRETE PATCH WITH H/L CRACKS, DELAMINATION 20 IN. DIA., & SPALL 3/4 IN. DEEP.



PIER 3 SOUTH SIDE, CONCRETE PATCHES TO CAP AT ALL SEATS AND ENDS, PATCH TO COLUMN 2 S W CORNER.



PIER 3 CAP NORTH FACE LEFT END CONCRETE PATCHING TO KNEE BRACE AND CAP.



PIER 2 CAP LEFT END, N W CORNER, SPALL WITH EXPOSED REBAR 4 IN. D X 20 IN. H X 1 FT. LONG.



PIER 3 COLUMN 2 REPAIR TO EAST SIDE OF COLUMN WITH 1/8 IN. CRACKS AND DELAMINATION ON N E CORNER.



PIER 3 CAP NORTH FACE SOUND CONCRETE PATCHES BELOW ALL SEATS.



PIER 2 SOUTH SIDE, REPAIR TO SPALLS BETWEEN SEATS 1 AND 2 WITH CONCRETE PATCHES TO CAP.



PIER 2, COLUMN 2 REPAIR TO SPALLS ON EAST SIDE WITH CONCRETE PATCH.



SPAN 3, DECK UNDERSIDE CONCRETE PATCH TO SPALL IN BAY 3, NEAR 1/2 PT.



LOOKING NORTH



GUARDRAIL END S E CORNER, ALL SIMILAR



POST SPACING AT BRIDGE S E CORNER



GUARDRAIL CONNECTION S E CORNER



SOUTH APPROACH



LOOKING WEST



PIER 2



SUPERSTRUCTURE SPAN 2



LOOKING UPSTREAM



PIER 1



ABUT 1



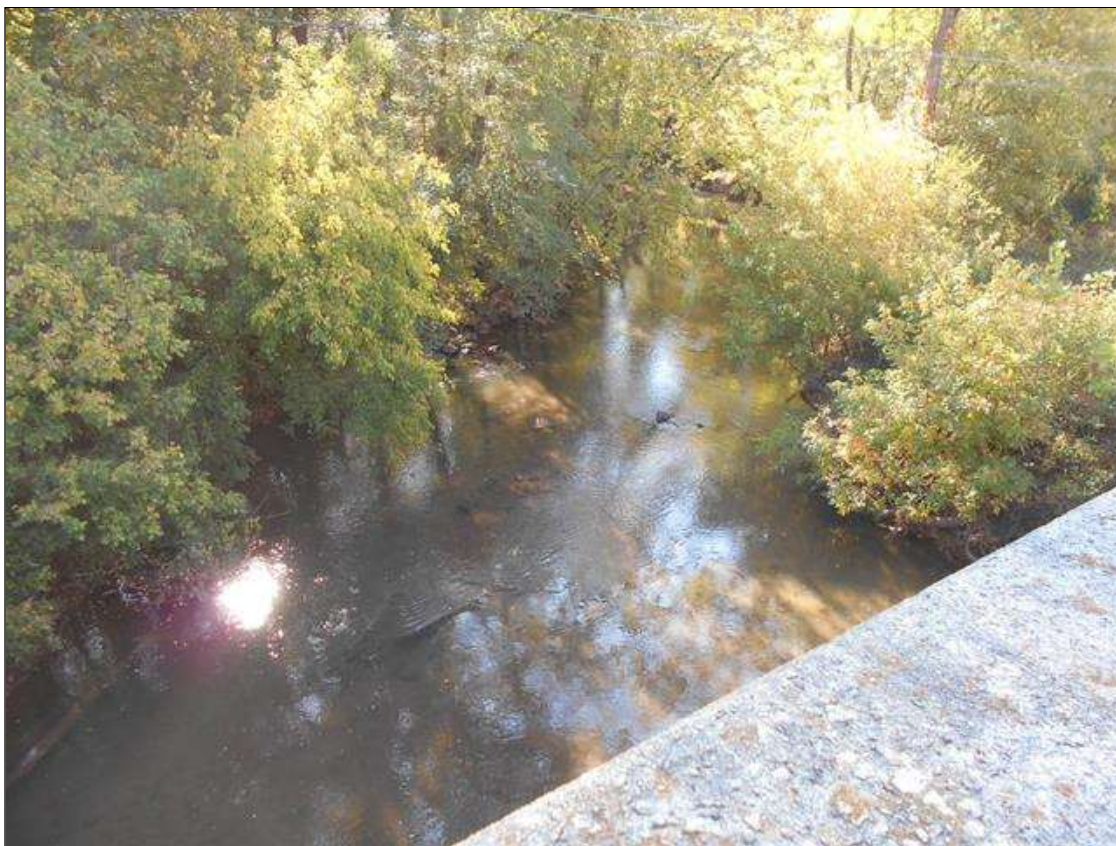
LOOKING UPSTREAM



NORTH APPROACH



SOUTH APPROACH



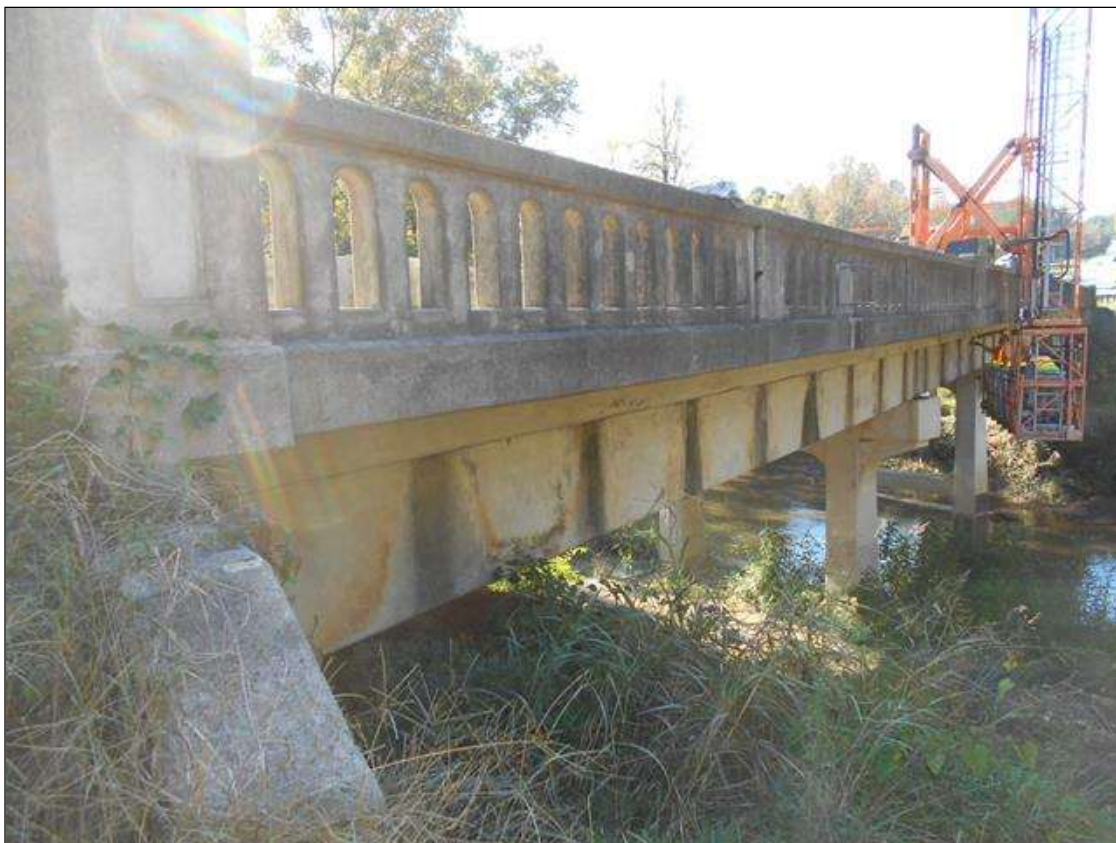
LOOKING DOWNSTREAM



LOOKING SOUTH



LOOKING SOUTH



LOOKING EAST



LOOKING DOWNSTREAM