NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PAR'S ISSUED: SPALLING THROUGHOUT BENTS, SIDEWALKS, BEAM & DRIFT UNDER SPAN 4. SNOOPER USED. CHANGES TO TYP. SECTION SKETCH. CHANGE TO AWS THICKNESS.

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 08/21/2019

DIVISION: 7 **COUNTY:** ALAMANCE **STRUCTURE NUMBER:** 000112 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: NC87 **MILE POST:**

LOCATION: 0.2 MI. S. JCT. SR1562

FEATURE INTERSECTED: REEDY FORK CREEK

LATITUDE: 36° 10' 23.06" **LONGITUDE:** 79° 30' 37.11"

SUPERSTRUCTURE: REINFORCED CONCRETE DECK GIRDERS

SUBSTRUCTURE: END BENTS:RC CAP ON STEEL PILES, INT.BENTS:RC POST & BEAM

SPANS: 6 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

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

NBI GRADES: **DECK** 5 **SUPERSTRUCTURE** 5 **SUBSTRUCTURE** 4 **CULVERT** N

POSTED SV: 31 **POSTED TTST:** 35

OTHER SIGNS PRESENT: (2) WEIGHT LIMIT SIGNS

LOOKING STATIONS AHEAD, 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

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS YES

INSPECTED BY	SIGNATURE	ASSISTED BY
ADAM FELMLEE		MARTIN RUSS

IDENTIFICATION

(1) STATE NAME	NORTH CAROLINA	BRIDGE	000112
(8) STRUCTURE NUMBER (FEDERAL)			0010112
(5) INVENTORY ROUTE (ON/UNDER)	ON		131000870
(2) STATE HIGHWAY DEPARTMENT DISTRICT			7
(3) COUNTY CODE (FEDERAL)	1	(4) PLACE CODE	49600
(6) FEATURE INTERSECTED	REEDY FORK CREEK		
(7) FACILITY CARRIED	NC87		
(9) LOCATION	0.2 MI. S. JCT. SR1562		
(11) MILEPOINT			0.0
(12) BASE HIGHWAY NETWORK			1
(13) LRS INVENTORY ROUTE & SUBROUTE			30087
(16) LATITUDE	36° 10' 23.06"	(17) LONGITUDE	79° 30' 37.11"
(98) BORDER BRIDGE STATE CODE		PERCENT SHARED	
(99) BORDER BRIDGE STRUCTURE NUMBER			

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN			Concrete
TYPE	Tee Beam	CODE	104
(44) STRUCTURE TYPE APPROACH			
TYPE		CODE	
(45) NUMBER OF SPANS IN MAIN UNIT			6
(46) NUMBER OF SPANS IN APPROACH			0
(107) DECK STRUCTURE TYPE		CODE	1
(108)WEARING SURFACE/PROTECTIVE SYSTEM			
(A) TYPE OF WEARING SURFACE		CODE	6
(B) TYPE OF MEMBRANE		CODE	0
(C) TYPE OF DECK PROTECTION		CODE	0

AGE AND SERVICE

(27) YEAR BUILT			1949
(106) YEAR RECONSTRUCTED			0. 0000000000000
(42) TYPE OF SERVICE ON -	Highway - Pedestrian		
OFF -	Waterway	CODE	55
(28) LANES ON STRUCTURE	2	LANES UNDER STRUCTURE	0
(29) AVERAGE DAILY TRAFFIC			5500
(30) YEAR OF ADT	2018	(109) TRUCK ADT PCT	8
(19) BYPASS OR DETOUR LENGTH			1.0

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN			49.0
(49) STRUCTURE LENGTH			300.0
(50) CURB OR SIDEWALK: LEFT	4.3	RIGHT	4.3
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB			25.8
(52) DECK WIDTH OUT TO OUT			36.5
(32) APPROACH ROADWAY WITH (W/ SHOULDERS)			24.0
(33) BRIDGE MEDIAN	No median	CODE	0
(34) SKEW	30	(35) STRUCTURE FLARED	0
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			25.8
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9
(54) MIN VERT UNDERCLEAR: REFERENCE			0.0
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE	N		0.0
(56) MIN LAT UNDERCLEARANCE LT:			0.0

NAVIGATION DATA

(38) NAVIGATION CONTROL -	CODE	0
(111) PIER PROTECTION	CODE	
(39) NAVIGATION VERTICAL CLEARANCE		0.0
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR		0.0
(40) NAVIGATION HORIZONTAL CLEARANCE		0.0

SUFFICIENCY RATING	29. 700000000000
STATUS =	Structurally Deficient 00

CLASSIFICATION

		CODE
(112) NBIS BRIDGE SYSTEM		YES
(104) HIGHWAY SYSTEM	Inventory Route not on NHS	0
(26) FUNCTIONAL CLASS	Rural Minor Arterial	06
(100) STRAHNET HIGHWAY	Not a STRAHNET Route	0
(101) PARALLEL STRUCTURE	No parallel structure exists	N
(102) DIRECTION OF TRAFFIC	2-way traffic	2
(103) TEMPORARY STRUCTURE		
(110) DESIGNATED NATIONAL NETWORK -	on national network for trucks	0
(20) TOLL	On Free Road	3
(21) MAINT -		01
(22) OWNER -		01
(37) HISTORICAL SIGNIFICANCE -		5

CONDITION

	CODE
(58) DECK	5
(59) SUPERSTRUCTURE	5
(60) SUBSTRUCTURE	4
(61) CHANNEL & CHANNEL PROTECTION	7
(62) CULVERTS	N

LOAD RATING AND POSTING

		CODE
(31) DESIGN LOAD	H 15	2
(63) OPERATING RATING METHOD -	Load Factor	1
(64) OPERATING RATING -	HS-15	29
(65) INVENTORY RATING METHOD -		1
(66) INVENTORY RATING	HS-9	18
(70) BRIDGE POSTING	Posting Required	2
(41) STRUCTURE OPEN, POSTED, OR CLOSED		P
DESCRIPTION	Posted for Load	

APPRAISAL

	CODE
(67) STRUCTURAL EVALUATION	4
(68) DECK GEOMETRY	2
(69) UNDERCLEARANCES, VERT & HORIZ	N
(71) WATERWAY ADEQUACY	4
(72) APPROACH ROADWAY ALIGNMENT	2
(36) TRAFFIC SAFETY FEATURES	0111
(113) SCOUR CRITICAL BRIDGES	8

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK	CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT	
(94) BRIDGE IMPROVEMENT COST	
(95) ROADWAY IMPROVEMENT COST	
(96) TOTAL PROJECT COST	
(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(114) FUTURE ADT 11,000	YEAR OF FUTURE ADT 2040

INSPECTION

(90) INSPECTION DATE	08/19	(91) FREQUENCY	24
(92) CRITICAL FEATURE INSPECTION		(93) CFI DATE	
A) FRACTURE CRIT DETAIL		A)	
B) UNDERWATER INSP	48	B)	02/16
C) OTHER SPECIAL INSP		C)	
SCOUR			

Superstructure Build Details

Span Number 1 **Span Length** 50.0000 **Skew** 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	250 Feet		
5	Fixed Bearing	Fixed Bearing	5 Each		
1	Asphalt Wearing Surface	Wearing Surface	1292 Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1823 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100 Feet		
5	Movable Bearing	Movable Bearing	5 Each		

Span Number 2 **Span Length** 50.0000 **Skew** 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	250 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1823 Square Feet		
5	Fixed Bearing	Fixed Bearing	5 Each		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100 Feet		
5	Movable Bearing	Movable Bearing	5 Each		
1	Asphalt Wearing Surface	Wearing Surface	1292 Square Feet		

Span Number 3 **Span Length** 50.0000 **Skew** 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
5	Movable Bearing	Movable Bearing	5 Each		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100 Feet		
1	Asphalt Wearing Surface	Wearing Surface	1292 Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1823 Square Feet		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	250 Feet		

Superstructure Build Details

5	Fixed Bearing	Fixed Bearing	5 Each		

Span Number 4 **Span Length** 50.0000 **Skew** 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
5	Fixed Bearing	Fixed Bearing	5 Each		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	250 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1823 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100 Feet		
1	Asphalt Wearing Surface	Wearing Surface	1292 Square Feet		
5	Movable Bearing	Movable Bearing	5 Each		

Span Number 5 **Span Length** 50.0000 **Skew** 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
5	Movable Bearing	Movable Bearing	5 Each		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100 Feet		
1	Asphalt Wearing Surface	Wearing Surface	1292 Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1823 Square Feet		
5	Fixed Bearing	Fixed Bearing	5 Each		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	250 Feet		

Span Number 6 **Span Length** 50.0000 **Skew** 120.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
2	Concrete Railing	Reinforced Concrete Bridge Railing	100 Feet		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	250 Feet		
5	Movable Bearing	Movable Bearing	5 Each		
5	Fixed Bearing	Fixed Bearing	5 Each		

Superstructure Build Details

1	Reinforced Concrete Deck	Reinforced Concrete Deck	1823 Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	1292 Square Feet		

Structure Element Scoring

Structure Number: **000112**

Inspection Date **8/21/2019**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	10938	9755	0	1183	0
110	0	Reinforced Concrete Open Girder/Beam	Beam	1500	721	748	26	5
205	0	Reinforced Concrete Column	Piles and Columns	10	0	0	4	6
215	0	Reinforced Concrete Abutment	Abutments	108	108	0	0	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	35	35	0	0	0
225	0	Steel Pile	Piles and Columns	14	14	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	275	117	25	117	16
311	0	Movable Bearing	Bearing Device	30	30	0	0	0
313	0	Fixed Bearing	Bearing Device	30	30	0	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	600	0	530	70	0
510	0	Wearing Surface	Wearing Surfaces	7752	7588	0	164	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **000112**

Inspection Date: **08/21/2019**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	1175 Square Feet
3326	Reinforced Concrete Deck	Delamination/Spall	8 Square Feet
3306	Reinforced Concrete Open Girder/Beam	Delamination/Spall	34 Feet
3306	Reinforced Concrete Open Girder/Beam	Cracking (RC and Other)	1 Feet
3348	Reinforced Concrete Column	Delamination/Spall	28 Each
3348	Reinforced Concrete Column	Patched Area	4 Each
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	9 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	136 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	4 Feet
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	462 Feet
3318	Reinforced Concrete Bridge Railing	Cracking (RC and Other)	4 Feet
2816	Wearing Surface	Crack (Wearing Surface)	164 Square Feet

Element Structure Maintenance Quantities

Structure Number: **000112** Inspection Date **08/21/2019**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	0	108	0	0	0	108
Beam	3306	Maintenance Concrete Superstructure Components	35	1500	5	26	748	721
Bearing Device	3334	Bridge Bearing	0	60	0	0	0	60
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	466	600	0	70	530	0
Caps	3348	Maintenance of Concrete Substructure	149	275	16	117	25	117
Deck	3326	Maintenance of Concrete Deck	1183	10938	0	1183	0	9755
Footing	3348	Maintenance of Concrete Substructure	0	35	0	0	0	35
Piles and Columns	3348	Maintenance of Concrete Substructure	32	10	6	4	0	0
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	14	0	0	0	14
Wearing Surfaces	2816	Asphalt Surface Repair	164	7752	0	164	0	7588

Priority Actions Request

Structure Number **000112**

Span3

3318 **Left Bridge Rail** Concrete Railing

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	0	Span 3 Left Bridge Rail: SIDEWALK - SPALLING, (4FT X 4FT X 3IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR)

3318 **Right Bridge Rail** Concrete Railing

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	0	Span 3 Right Bridge Rail: SIDEWALK, RIGHT SIDE - SPALLING, (UP TO 5FT X 4FT X 4IN D.) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR)

Span4

3306 **Beam 5** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	0	Span 4 Beam 5: SPALL (5FT X FULL W. X 5IN D.) WITH EXPOSED & CORRODED REINFORCING, BOTTOM OF BEAM AT MID-SPAN. (PAR)
2	Delamination/Spall	0	Span 4 Beam 5: SPALL/DELAM (UP TO 1SF X 4IN D.) WITH EXPOSED REINFORCING & BEARING LOSS, (12IN X 4IN) RIGHT SIDE FAR END. (PAR)

Span5

3318 **Right Bridge Rail** Concrete Railing

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	0	Span 5 Right Bridge Rail: RIGHT SIDE - SPALLING, (UP TO 4FT X 4FT X 4IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, FAR END. (PAR)
2	Delamination/Spall	0	Span 5 Right Bridge Rail: SIDEWALK, RIGHT SIDE - SPALLING, (UP TO 5FT X 4FT X 3IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR)

Bent 1

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	0	Bent 1 Cap 1: UNDERSIDE - SPALL/DELAM (9FT X 2FT X 5IN) WITH EXPOSED REINFORCING, UNDER BEAM 3. (PAR)

3348 **Pile 2** Reinforced Concrete Column

? Priority Action Request (PAR) 1 Assigned Routine Maintenance 2 Assigned Priority Maintenance 3 Assigned Critical Find

Priority Actions Request

Structure Number **000112**

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	0	Bent 1 Pile 2: SPALL/DELAM (7FT X 1FT X 4IN) WITH EXPOSED REINFORCING, NEAR LEFT CORNER STARTING AT TOP OF COLUMN. (PAR)

Bent 2

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	0	Bent 2 Cap 1: SPALL/DELAM (UP TO 7FT X 2FT X 5IN) WITH EXPOSED REINFORCING, NEAR FACE. (PAR)

3348 **Pile 1** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	0	Bent 2 Pile 1: RIGHT SIDE - SPALL/DELAM (UP TO 25FT L. X 3FT W. X 6IN D.) WITH EXPOSED REINFORCING. (PAR)

3348 **Pile 2** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	0	Bent 2 Pile 2: SPALL/DELAM (10FT X 1FT X 4IN) WITH EXPOSED REINFORCING, NEAR RIGHT CORNER, STARTING 6FT DOWN FROM CAP. (PAR)
2	Delamination/Spall	0	Bent 2 Pile 2: SPALL/DELAM (15FT L. X 1FT W. X 6IN D.) WITH EXPOSED REINFORCING, FAR RIGHT CORNER STARTING AT CAP. (PAR)

Bent 3

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	0	Bent 3 Cap 1: SPALL (2FT X 6IN X 4IN) WITH BEARING LOSS, (UP TO 1.5IN X FULL W.) UNDER BEAM 2. REMAINING CONCRETE IS SOUND. (PAR)

3348 **Pile 2** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	0	Bent 3 Pile 2: (X2) SPALL/DELAM (UP TO 18FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, NEAR FACE LEFT & RIGHT CORNERS. (PAR)

Bent 4

3348 **Pile 1** Reinforced Concrete Column

? Priority Action Request (PAR) 1 Assigned Routine Maintenance 2 Assigned Priority Maintenance 3 Assigned Critical Find

Priority Actions Request

Structure Number **000112**

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	0	Bent 4 Pile 1: SPALL/DELAM (13FT L. X FULL W. X 6IN D.) WITH EXPOSED REINFORCING, NEAR FACE. (PAR)
2	Delamination/Spall	0	Bent 4 Pile 1: SPALLING/DELAM (10FT L. X 1FT W. X 4IN D.) WITH EXPOSED REINFORCING, FAR & NEAR RIGHT CORNER. (PAR)

3348 **Pile 2** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	0	Bent 4 Pile 2: SPALL/DELAM (12FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, FAR LEFT CORNER. (PAR)
2	Delamination/Spall	0	Bent 4 Pile 2: SPALL/DELAM (13FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, NEAR LEFT CORNER. (PAR)

Drift

3366 **Drift** Drift

Priority Level	Defect Type	Quantity	Defect Description
2		0	DRIFT, (100FT L. X 50FT W. X 15FT D.) UPSTREAM SIDE SPAN 4. (PAR)

Element Condition and Maintenance Data

Structure Number: **000112** Inspection Date: **08/21/2019**

Span 1 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,823	1,398	0	425	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	INTERMITTENT HAIRLINE TO 1/32IN LONGITUDINAL CRACKING WITH MODERATE TO HEAVY EFFLO. THROUGHOUT UNDERSIDE OF DECK IN BAYS 1 & 4	3	425	425	Square Feet

General Comments

CRACKING & EFFLO. CONSOLIDATED

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	50	17	27	6	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	DELAM (5FT L. X FULL W.) TO BOTTOM, 12FT FROM FAR END	3	5	5	Feet
110	Delamination/Spall	SPALL (8IN X 8IN X 2IN) BOTTOM LEFT EDGE, 8FT FROM NEAR END	3	1	1	Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	20		Feet
110	Delamination/Spall	SPALL (4IN DIAM. X 1/2IN D.) WITH EXPOSED REINFORCING, RIGHT SIDE FAR END	2	1	1	Feet
110	Patched Area	INTERMITTENT SOUND PATCHES, (UP TO 3SF) THROUGHOUT	2	6		Feet

General Comments

FAR END DIAPHRAGM, BAY 1 - SPALL (5FT X 6IN X 3IN) WITH EXPOSED REINFORCING & HEAVY EFFLO.

Span 1 Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	25	25	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	20		Feet
110	Delamination/Spall	SPALL (5IN X 4IN X 1IN) BOTTOM RIGHT, 10FT FROM NEAR END	2	1	1	Feet
110	Patched Area	INTERMITTENT SOUND PATCHES, (UP TO 1SF) THROUGHOUT	2	4		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	50	24	26	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Patched Area	INTERMITTENT SOUND PATCHES, (UP TO 1SF) THROUGHOUT	2	5		Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	20		Feet
110	Delamination/Spall	SPALL (3IN X 3IN X 1/2IN) BOTTOM RIGHT, MID-SPAN	2	1	1	Feet

General Comments

Span 1 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	50	25	24	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	DIAGONAL OPEN CRACK, (UP TO 1/8IN X 5IN L.) LEFT SIDE AT FAR END	3	1	1	Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	20		Feet
110	Patched Area	INTERMITTENT SOUND PATCHES, (UP TO 1SF) THROUGHOUT	2	4		Feet

General Comments

FAR END DIAPHRAGM - SPALL/DELAM (3FT X 1FT X 3IN) WITH EXPOSED REBAR, LEFT OF BEAM 4

Span 1 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	50	4	46	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	20		Feet
110	Delamination/Spall	SPALL (4IN X 4IN X 1IN) RIGHT SIDE AT BOTTOM, 15FT FROM NEAR END	2	1	1	Feet
110	Patched Area	INTERMITTENT SOUND PATCHES, (UP TO 1SF) THROUGHOUT	2	25		Feet

General Comments

Span 1 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,292	1,268	0	24	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE OPEN CRACKING, (UP TO 1/4IN X FULL W.) THROUGHOUT NEAR & FAR ENDS	3	24	24	Square Feet

General Comments

Span 1 — Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	50	0	50	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO 1/32IN X 2FT L.) THROUGHOUT	2	11		Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP TO 1/2IN D.) WITH EXPOSED AGGREGATE THROUGHOUT SIDEWALK & TOP OF RAIL	2	39	39	Feet

General Comments

Span 1 — Right Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	50	0	50	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO 1/32IN X 2FT L.) THROUGHOUT	2	4		Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP TO 1/2IN D.) WITH EXPOSED AGGREGATE THROUGHOUT SIDEWALK & TOP OF RAIL	2	46	46	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	1,823	1,619	0	204	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	INTERMITTENT HAIRLINE TO 1/32IN LONGITUDINAL CRACKING WITH MODERATE TO HEAVY EFFLO. THROUGHOUT UNDERSIDE OF DECK IN BAYS 1 & 4	3	200	200	Square Feet
12	Delamination/Spall	SPALL (UP TO 18IN X 12IN X 2IN) WITH EXPOSED REINFORCING TO UNDERSIDE OF DECK OVERHANG, SPAN 2 NEAR & FAR END	3	4	4	Square Feet

General Comments

Span 2 — 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	50	26	22	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	SPALL/DELAM (2SF X 5IN) WITH EXPOSED REINFORCING, LEFT SIDE FAR END	3	2	2	Feet

110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22	Feet

General Comments

SPAN 2 NEAR END DIAPHRAGM, BAY 1 - SPALL (2FT X 6IN X 3IN) WITH EXPOSED REINFORCING & HEAVY EFFLO.

Span 2 Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	26	22	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	DELAM (16IN X 8IN) BOTTOM RIGHT AT MID-SPAN	3	2	2	Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

SPAN 2 NEAR END DIAPHRAGM, BAY 2 - SPALL (28IN X 4IN X 2IN) WITH EXPOSED REINFORCING

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	50	28	22	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

SPAN 2 NEAR END DIAPHRAGM - SPALL (3FT X 6IN X 3IN) WITH EXPOSED REINFORCING, RIGHT OF BEAM 3

Span 2 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	50	28	22	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

BAY 4 MID-SPAN DIAPHRAGM - SPALL/DELAM (3FT X 6IN X 3IN) WITH REINFORCING EXPOSED

Span 2 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	50	28	22	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

FAR END DIAPHRAGM, BAY 4 - SPALL (4FT X 6IN X 3IN) WITH EXPOSED REINFORCING

Span 2 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,292	1,262	0	30	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	INTERMITTENT LONGITUDINAL OPEN CRACKING, (UP TO 1/2IN X 8FTL.) THROUGHOUT RIGHT SHOULDER	3	10	10	Square Feet
510	Crack (Wearing Surface)	TRANSVERSE OPEN CRACKING, (UP TO 1/4IN X FULL W.) THROUGHOUT, MOSTLY AT BENT LOCATION	3	20	20	Square Feet

General Comments

Span 2 — Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	50	0	48	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Delamination/Spall	INTERMITTENT SPALLING, (UP TO 8IN X 2IN X 1IN) WITH EXPOSED REINFORCING THROUGHT	3	2	2	Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP TO 1/2IN D.) WITH EXPOSED AGGREGATE THROUGHOUT SIDEWALK & TOP OF RAIL	2	42	42	Feet
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO 1/32IN X 2FT L.) THROUGHOUT	2	6		Feet

General Comments

Span 2 — Right Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	50	0	50	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO 1/32IN X 2FT L.) THROUGHOUT	2	8		Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP TO 1/2IN D.) WITH EXPOSED AGGREGATE THROUGHOUT SIDEWALK & TOP OF RAIL	2	42	42	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	1,823	1,571	0	252	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	INTERMITTENT HAIRLINE TO 1/32IN LONGITUDINAL CRACKING WITH MODERATE TO HEAVY EFFLO. THROUGHOUT UNDERSIDE OF DECK IN BAYS 1 & 4	3	250	250	Square Feet

12	Delamination/Spall	UNDESIDE OF DECK OVERHANG - DELAM (2SF), LEFT SIDE FAR END	3	2	2	Square Feet

General Comments

Span 3 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	50	19	30	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	SPALL (6IN X 1IN) WITH EXPOSED REINFORCING, RIGHT SIDE FAR END	3	1	1	Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet
110	Patched Area	INTERMITTENT SOUND PATCHES, (UP TO 1SF) THROUGHOUT	2	8		Feet

General Comments

NEAR END DIAPHRAGM, BAY 1 - SPALL (2FT X 4IN X 1IN) WITH EXPOSED REINFORCING & EFFLO.

Span 3 Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	28	22	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		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	50	16	34	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet
110	Patched Area	INTERMITTENT SOUND PATCHES, (UP TO 1SF) THROUGHOUT	2	12		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	50	13	37	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Patched Area	INTERMITTENT SOUND PATCHES, (UP TO 1SF) THROUGHOUT	2	15		Feet

110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22	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	50	13	37	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet
110	Patched Area	INTERMITTENT SOUND PATCHES, (UP TO 1SF) THROUGHOUT	2	15		Feet

General Comments

Span 3 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,292	1,252	0	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE OPEN CRACKING, (UP TO 1/4IN X FULL W.) THROUGHOUT, MOSTLY AT BENT LOCATION	3	20	20	Square Feet
510	Crack (Wearing Surface)	INTERMITTENT LONGITUDINAL OPEN CRACKING, (UP TO 1/2IN X 8FTL.) THROUGHOUT RIGHT SHOULDER	3	20	20	Square Feet

General Comments

Span 3 Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	50	0	45	5	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Delamination/Spall	INTERMITTENT SPALLING, (UP TO 8IN X 2IN X 1IN) WITH EXPOSED REINFORCING THROUGHOUT	3	1	1	Feet
331	Delamination/Spall	SIDEWALK - SPALLING, (4FT X 4FT X 3IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR)	3	4	4	Feet
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO 1/32IN X 2FT L.) THROUGHOUT	2	10		Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP TO 1/2IN D.) WITH EXPOSED AGGREGATE THROUGHOUT SIDEWALK & TOP OF RAIL	2	35	35	Feet

General Comments

Span 3 — Right Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	50	0	26	24	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Delamination/Spall	INTERMITTENT SPALLING, (UP TO 8IN X 2IN X 1IN) WITH EXPOSED REINFORCING THROUGHOUT	3	14	14	Feet
331	Delamination/Spall	SIDEWALK - SPALLING, (UP TO 5FT X 4FT X 4IN D.) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR)	3	10	10	Feet
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO 1/32IN X 2FT L.) THROUGHOUT	2	25		Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP TO 1/2IN D.) WITH EXPOSED AGGREGATE THROUGHOUT SIDEWALK & TOP OF RAIL	2	1	1	Feet

General Comments

Span 4 — Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,823	1,621	0	202	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	INTERMITTENT HAIRLINE TO 1/32IN LONGITUDINAL CRACKING WITH MODERATE TO HEAVY EFFLO. THROUGHOUT UNDERSIDE OF DECK IN BAYS 1 & 4	3	200	200	Square Feet
12	Delamination/Spall	UNDESIDE OF DECK OVERHANG - DELAM (2SF), LEFT SIDE, NEAR END	3	2	2	Square Feet

General Comments

Span 4 — 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	50	23	22	5	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	DELAM (4FT X FULL W.) BOTTOM OF BEAM 12FT FROM NEAR END	3	4	4	Feet
110	Delamination/Spall	DELAM (8IN DIAM.) BOTTOM OF BEAM 6FT FROM NEAR END	3	1	1	Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

Span 4 Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	28	22	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

Span 4 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	50	28	22	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

Span 4 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	50	27	22	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	SPALL (1FT X 8IN X 1.5IN) WITH EXPOSED REINFORCING TO BOTTOM AT FAR END	3	1	1	Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

NEAR END DIAPHRAGM, BAY 4 - SPALL (28IN X 6IN X 1IN) WITH EXPOSED REINFORCING

Span 4 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	50	18	22	5	5	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	SPALL (5FT X FULL W. X 5IN D.) WITH EXPOSED & CORRODED REINFORCING, BOTTOM OF BEAM AT MID-SPAN. (PAR)	4	5	5	Feet
110	Delamination/Spall	DELAM (20IN X 5IN) BOTTOM LEFT EDGE NEAR MID-SPAN	3	2	2	Feet
110	Delamination/Spall	SPALL/DELAM (UP TO 1SF X 4IN D.) WITH EXPOSED REINFORCING & BEARING LOSS, (12IN X 4IN) RIGHT SIDE FAR END. (PAR)	3	1	1	Feet
110	Delamination/Spall	SPALL (2FT X 6IN X 4IN) WITH EXPOSED REINFORCING, FAR END LEFT SIDE	3	2	2	Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

Span 4 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,292	1,264	0	28	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE OPEN CRACKING, (UP TO 1/4IN X FULL W.) THROUGHOUT, MOSTLY AT BENT LOCATION	3	28	28	Square Feet

General Comments

Span 4 — Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	50	0	50	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO 1/32IN X 2FT L.) THROUGHOUT	2	8		Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP TO 1/2IN D.) WITH EXPOSED AGGREGATE THROUGHOUT SIDEWALK & TOP OF RAIL	2	42	42	Feet

General Comments

Span 4 — Right Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	50	0	26	24	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	DIAGONAL OPEN CRACKING, (UP TO 1/8IN X 4FT L.) AT 1/3 POINT	3	4	4	Feet
331	Delamination/Spall	INTERMITTENT SPALLING, (UP TO 8IN X 2IN X 1IN) WITH EXPOSED REINFORCING THROUGHOUT	3	20	20	Feet
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO 1/32IN X 2FT L.) THROUGHOUT	2	25		Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP TO 1/2IN D.) WITH EXPOSED AGGREGATE THROUGHOUT SIDEWALK & TOP OF RAIL	2	1	1	Feet

General Comments

Span 5 — Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,823	1,723	0	100	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

12	Cracking (RC and Other)	INTERMITTENT HAIRLINE TO 1/32IN LONGITUDINAL CRACKING WITH MODERATE TO HEAVY EFFLO. THROUGHOUT UNDERSIDE OF DECK IN BAY 4	3	100	100	Square Feet

General Comments

Span 5 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	50	27	22	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	SPALL (18IN X 6IN X 3IN) NO EXPOSED REINFORCING, FAR END LEFT SIDE	3	1	1	Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

Span 5 Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	28	22	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

Span 5 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	50	27	22	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	SPALL (8IN X 6IN X 5IN) WITH EXPOSED REINFORCING, RIGHT SIDE NEAR END	3	1	1	Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

FAR END DIAPHRAGM, BAY 3 - SPALL (4FT X 6IN X 3IN) WITH EXPOSED REINFORCING

Span 5 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	50	28	22	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

NEAR END DIAPHRAGM, BAY 3 - SPALL (2.5FT X 8IN X 3IN) WITH EXPOSED REINFORCING

Span 5 — 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	50	27	22	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	SPALL/DELAM (UP TO 1SF X 4IN D.) WITH EXPOSED REINFORCING, RIGHT SIDE NEAR END	3	1	1	Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

Span 5 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,292	1,274	0	18	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE OPEN CRACKING, (UP TO 1/4IN X FULL W.) THROUGHOUT, MOSTLY AT BENT LOCATION	3	18	18	Square Feet

General Comments

Span 5 — Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	50	0	47	3	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Delamination/Spall	SIDEWALK - SPALLING, (3FT X 2FT X 1.5IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, FAR END	3	3	3	Feet
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO 1/32IN X 2FT L.) THROUGHOUT	2	10		Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP TO 1/2IN D.) WITH EXPOSED AGGREGATE THROUGHOUT SIDEWALK & TOP OF RAIL	2	37	37	Feet

General Comments

Span 5 — Right Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	50	0	38	12	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Delamination/Spall	SIDEWALK - SPALLING, (UP TO 4FT X 4FT X 4IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, FAR END.	3	4	4	Feet
331	Delamination/Spall	SIDEWALK - SPALLING, (UP TO 5FT X 4FT X 3IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR	3	8	8	Feet

		END. (PAR)				
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO 1/32IN X 2FT L.) THROUGHOUT	2	7		Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP TO 1/2IN D.) WITH EXPOSED AGGREGATE THROUGHOUT SIDEWALK & TOP OF RAIL	2	31	31	Feet

General Comments

Span 6 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	50	28	22	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

Span 6 Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	28	22	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

NEAR END DIAPHRAGM, BAY 2 - DELAM (5FT X 6IN)

Span 6 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	50	28	22	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

NEAR END DIAPHRAGM, BAY 3 - SPALL (4FT X 6IN X 3IN) WITH EXPOSED REINFORCING

Span 6 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	50	28	22	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

NEAR END DIAPHRAGM, BAY 4 - SPALL (5FT X 6IN X 3IN) WITH EXPOSED REINFORCING

Span 6 — 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	50	28	22	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT	2	22		Feet

General Comments

Span 6 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,292	1,268	0	24	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE OPEN CRACKING, (UP TO 1/4IN X FULL W.) THROUGHOUT, MOSTLY AT BENT LOCATION	3	24	24	Square Feet

General Comments

Span 6 — Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	50	0	50	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO 1/32IN X 2FT L.) THROUGHOUT	2	8		Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP TO 1/2IN D.) WITH EXPOSED AGGREGATE THROUGHOUT SIDEWALK & TOP OF RAIL	2	42	42	Feet

General Comments

Span 6 — Right Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	50	0	50	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO 1/32IN X 2FT L.) THROUGHOUT	2	12		Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP TO 1/2IN D.) WITH EXPOSED AGGREGATE THROUGHOUT SIDEWALK & TOP OF RAIL	2	38	38	Feet

General Comments

End Bent 1 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	45	29	10	6	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	LONGITUDINAL OPEN CRACK, (1/8IN X 5FT L.) UNDER BEAM 2	3	5	5	Feet
234	Delamination/Spall	DELAM (1FT X 6IN) TO LEFT END PILE CAP AT LEFT SIDE	3	1	1	Feet
234	Cracking (RC and Other)	INTERMITTENT LONGITUDINAL HAIRLINE TO 1/32IN CRACK, (UP TO 5FT L.) THROUGHOUT	2	10		Feet

General Comments

Bent 1 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	37	4	0	24	9	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Delamination/Spall	UNDERSIDE - SPALL/DELAM (9FT X 2FT X 5IN) WITH EXPOSED REINFORCING, UNDER BEAM 3. (PAR)	4	9	9	Feet
234	Delamination/Spall	DELAM (6SF) UNDER BEAM 3, FAR FACE	3	6	6	Feet
234	Delamination/Spall	SPALL (6IN X 1IN) WITH EXPOSED REINFORCING, UNDER BEAM 4, FAR FACE	3	1	1	Feet
234	Cracking (RC and Other)	HORIZONTAL 1/32IN CRACK, (4FT L.) WITH EFFLO. & RUST STAINING, ABOVE COLUMN 1, NEAR FACE	3	4	4	Feet
234	Delamination/Spall	DELAM (30IN X 7IN) BOTTOM EDGE UNDER BAY 2, FAR FACE	3	3	3	Feet
234	Delamination/Spall	DELAM (5SF) ABOVE COLUMN 2, NEAR FACE	3	5	5	Feet
234	Delamination/Spall	SPALL (1FT X 6IN X 1IN) WITH EXPOSED REINFORCING, UNDER BEAM 1	3	1	1	Feet
234	Patched Area	PARTIALLY DELAMINATED PATCH, (1SF) AT LEFT END, NEAR FACE	3	4	4	Feet

General Comments

Bent 1 Pile 1

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	DELAM (12SF) NEAR RIGHT CORNER, STARTING AT TOP OF COLUMN	3	1	1	Each
205	Delamination/Spall	DELAM (6FT X 8IN) FAR LEFT CORNER, STARTING 2FT FROM BOTTOM OF CAP	3		1	Each
205	Abrasion/Wear (PSC/RC)	WATER SCALING, (UP TO 2FT H.) THROUGHOUT COLUMN AT WATERLINE	2			Each
205	Patched Area	SOUND PATCH (6FT X 2FT) NEAR LEFT CORNER, 3FT FROM BOTTOM OF CAP	2			Each

General Comments

Bent 1 — Pile 2

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	SPALL/DELAM (7FT X 1FT X 4IN) WITH EXPOSED REINFORCING, NEAR LEFT CORNER STARTING AT TOP OF COLUMN. (PAR)	4	1	1	Each
205	Delamination/Spall	(X2) DELAM (UP TO 7FT X 1FT) FAR LEFT & RIGHT CORNERS, STARTING AT BOTTOM OF CAP	3		1	Each
205	Delamination/Spall	DELAM (6FT X 1FT) NEAR RIGHT CORNER & (3SF) AT RIGHT GUSSET	3		4	Each
205	Abrasion/Wear (PSC/RC)	WATER SCALING, (UP TO 2FT H.) THROUGHOUT COLUMN AT WATERLINE	2			Each

General Comments

End Bent 2 — Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	45	32	13	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	INTERMITTENT LONGITUDINAL HAIRLINE TO 1/32IN CRACK, (UP TO 5FT L.) THROUGHOUT	2	8		Feet
234	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKS, (UP TO 10IN L.) THROUGHOUT	2	5		Feet

General Comments

Bent 2 — Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	37	25	0	5	7	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Delamination/Spall	SPALL/DELAM (UP TO 7FT X 2FT X 5IN) WITH EXPOSED REINFORCING, NEAR FACE. (PAR)	4	7	7	Feet
234	Delamination/Spall	DELAM (5SF) UNDER BAY 3, NEAR FACE	3	5	5	Feet

General Comments

DELAM CONSOLIDATED

Bent 2 — Pile 1

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	RIGHT SIDE - SPALL/DELAM (UP TO 25FT L. X 3FT W. X 6IN D.) WITH EXPOSED REINFORCING. (PAR)	4	1	1	Each
205	Delamination/Spall	DELAM/SPALL (8FT X 8IN X 3IN) WITH EXPOSED REINFORCING, STARTING 3FT FROM CAP, FAR LEFT	3		1	Each

		CORNER				
205	Abrasion/Wear (PSC/RC)	WATER SCALING, (UP TO 2FT H.) THROUGHOUT COLUMN AT WATERLINE	2			Each

General Comments

Bent 2 — Pile 2

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	SPALL/DELAM (10FT X 1FT X 4IN) WITH EXPOSED REINFORCING, NEAR RIGHT CORNER, STARTING 6FT DOWN FROM CAP. (PAR)	4	1	1	Each
205	Delamination/Spall	SPALL/DELAM (15FT L. X 1FT W. X 6IN D.) WITH EXPOSED REINFORCING, FAR RIGHT CORNER STARTING AT CAP. (PAR)	4		1	Each
205	Delamination/Spall	DELAM (6FT X 1FT) FAR LEFT CORNER STARTING AT CAP	3		1	Each
205	Abrasion/Wear (PSC/RC)	WATER SCALING, (UP TO 2FT H.) THROUGHOUT COLUMN AT WATERLINE	2			Each

General Comments

Bent 3 — 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	37	18	2	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Delamination/Spall	DELAM (5FT X 8IN), FAR FACE BAY 4	3	5	5	Feet
234	Delamination/Spall	SPALL (18IN X 10IN X 2IN) WITH EXPOSED REINFORCING & DELAM (2SF) TO GUSSET UNDER BEAM 1	3	2	2	Feet
234	Delamination/Spall	SPALL (2FT X 6IN X 4IN) WITH BEARING LOSS, (UP TO 1.5IN X FULL W.) UNDER BEAM 2. REMAINING CONCRETE IS SOUND. (PAR)	3	2	2	Feet
234	Delamination/Spall	(X2) DELAM (UP TO 3SF) UNDER BEAM 3, NEAR FACE	3	3	3	Feet
234	Delamination/Spall	DELAM (5SF) ABOVE COLUMN 1, FAR FACE	3	5	5	Feet
234	Delamination/Spall	DELAM (2SF) RIGHT OF BEAM 2, FAR FACE	2	2	2	Feet

General Comments

DELAM CONSOLIDATED

Bent 3 — Pile 1

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	DELAM (5FT X 8IN) FAR RIGHT CORNER STARTING 5FT FROM CAP	3	1	1	Each
205	Delamination/Spall	DELAM (2.5FT X 6IN) NEAR LEFT CORNER, STARTING 2FT FROM CAP	3			Each
205	Delamination/Spall	DELAM (3FT X 6IN) FAR LEFT CORNER STARTING 4FT FROM CAP	3		1	Each

205	Abrasion/Wear (PSC/RC)	WATER SCALING, (UP TO 2FT H.) THROUGHOUT COLUMN AT WATERLINE	2	Each

General Comments

Bent 3 Pile 2

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	(X2) SPALL/DELAM (UP TO 18FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, NEAR FACE LEFT & RIGHT CORNERS. (PAR)	4	1	1	Each
205	Delamination/Spall	(X2) DELAM (UP TO 7FT X 8IN) FAR LEFT & FAR RIGHT CORNERS, STARTING AT CAP	3		1	Each
205	Abrasion/Wear (PSC/RC)	WATER SCALING, (UP TO 2FT H.) THROUGHOUT COLUMN AT WATERLINE	2			Each

General Comments

DELAM CONSOLIDATED

Bent 4 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	37	0	0	37	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Delamination/Spall	DELAM (1SF) ABOVE COLUMN 2, NEAR FACE	3	1	1	Feet
234	Delamination/Spall	DELAM (5FT X 8IN) BAY 1, NEAR FACE	3	1	5	Feet
234	Delamination/Spall	DELAM (UP TO 10SF) BETWEEN BEAMS 2 & 3, NEAR FACE	3	10	10	Feet
234	Delamination/Spall	INTERMITTENT SPALLING/DELAM, (UP TO 2SF X 2IN D.) WITH EXPOSED REINFORCING, BETWEEN BEAMS 1 & 3	3	6	6	Feet
234	Delamination/Spall	DELAM (1SF) UNDER BEAM 4, NEAR FACE	3	1	1	Feet
234	Delamination/Spall	DELAM (3SF) TO GUSSET UNDER BEAM 1, NEAR FACE	3	3	3	Feet
234	Delamination/Spall	DELAM (4FT X FULL W.) TO GUSSET UNDER BEAM 2, FAR FACE	3	4	4	Feet
234	Delamination/Spall	DELAM (5SF) BAY 3, FAR FACE	3	5	5	Feet
234	Delamination/Spall	DELAM/SPALL (4SF X 3IN D.) WITH EXPOSED REINFORCING, UNDER BEAM 3 TO GUSSET, NEAR FACE	3	4	4	Feet
234	Delamination/Spall	SPALL (2FT X 8IN X 4IN) WITH EXPOSED REINFORCING, UNDER BEAM 4, FAR FACE	3	2	12	Feet

General Comments

Bent 4 Pile 1

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	SPALL/DELAM (13FT L. X FULL W. X 6IN D.) WITH EXPOSED REINFORCING, NEAR FACE. (PAR)	4	1	1	Each
205	Delamination/Spall	SPALLING/DELAM (10FT L. X 1FT W. X 4IN D.) WITH EXPOSED REINFORCING, FAR & NEAR RIGHT CORNER. (PAR)	4		1	Each

205	Delamination/Spall	(X2) SPALLS (UP TO 3FT X 8IN X 3IN) WITH EXPOSED REINFORCING, FAR LEFT CORNER 4FT FROM WATERLINE	3	1	Each
205	Delamination/Spall	DELAM (12FT X 10IN) FAR LEFT CORNER STARTING AT TOP OF COLUMN	3	1	Each
205	Delamination/Spall	DELAM (8FT X 10IN) NEAR RIGHT CORNER STARTING AT CAP	3	1	Each
205	Abrasion/Wear (PSC/RC)	WATER SCALING, (UP TO 2FT H.) THROUGHOUT COLUMN AT WATERLINE	2		Each

General Comments

Bent 4 Pile 2

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	SPALL/DELAM (12FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, FAR LEFT CORNER. (PAR)	4			Each
205	Delamination/Spall	SPALL/DELAM (13FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, NEAR LEFT CORNER. (PAR)	4	1	1	Each
205	Patched Area	PARTIALLY DELAMINATED PATCH, (2SF) AT TOP, FAR RIGHT CORNER	3		2	Each
205	Abrasion/Wear (PSC/RC)	WATER SCALING, (UP TO 2FT H.) THROUGHOUT COLUMN AT WATERLINE	2			Each

General Comments

Bent 5 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	37	9	0	28	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Delamination/Spall	DELAM (2SF) & SPALLING (UP TO 6IN DIAM. X 1IN D.) WITH EXPOSED REINFORCING TO GUSSET UNDER BEAM 5, NEAR FACE	3	3	3	Feet
234	Delamination/Spall	INTERMITTENT DELAM/SPALLING, (UP TO 3SF X 2IN D.) WITH EXPOSED REINFORCING, BETWEEN BEAMS 2 & 3	3	20	20	Feet
234	Delamination/Spall	DELAM (5FT X 1FT) BAY 1, NEAR FACE	3	5	5	Feet

General Comments

Bent 5 Pile 1

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	DELAM (10FT X 1FT) FAR LEFT CORNER	3		1	Each
205	Delamination/Spall	DELAM (10FT X 1FT) TO NEAR RIGHT CORNER	3	1	1	Each
205	Patched Area	DELAMINATED PATCH (8FT X 16IN) FAR RIGHT CORNER	3		1	Each
205	Patched Area	PRATIALLY DELAMINATED PATCH, (1SF) AT TOP TO NEAR LEFT CORNER	3		1	Each

General Comments

Bent 5 Pile 2

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	DELAM (10FT X 16IN) FAR LEFT CORNER STARTING AT BOTTOM OF CAP	3		1	Each
205	Delamination/Spall	DELAM (10FT X 1FT) NEAR LEFT CORNER STARTING AT TOP OF COLUMN	3	1	1	Each
205	Patched Area	DELAMINATED PATCH (10FT X 16IN) FAR RIGHT CORNER	3			Each
205	Delamination/Spall	DELAM (8FT X 1FT) RIGHT FACE STARTING AT TOP OF COLUMN	3		1	Each

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1823
Span 1	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 1	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 1	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 1	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 1	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1292
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1823
Span 2	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 2	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 2	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 2	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 2	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1292
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1823
Span 3	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 3	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 3	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 3	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 3	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1292
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1823
Span 4	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 4	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 4	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 4	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 4	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1292
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1823
Span 5	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 5	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 5	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 5	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 5	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 5	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 5	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 5	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1292
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1823
Span 6	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 6	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 6	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 6	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 6	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 6	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 6	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 6	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1292
Span 6	Near Bearing	Movable Bearing	Movable Bearing	1
Span 6	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Near Bearing	Movable Bearing	Movable Bearing	1
Span 6	Near Bearing	Movable Bearing	Movable Bearing	1
Span 6	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Near Bearing	Movable Bearing	Movable Bearing	1
Span 6	Near Bearing	Movable Bearing	Movable Bearing	1
Span 6	Far Bearing	Fixed Bearing	Fixed Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	37
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	45
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	54
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	37
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	45
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	54
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	37
Bent 3	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	37
Bent 4	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 5	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	37
Bent 5	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 5	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 000112 **Inspection Date:** 08/21/2019

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**5**
Item 59: Superstructure	0 - 9 , N	**5**
Item 60: Substructure	0 - 9 , N	**4**
Item 61: Channel and Channel Protection	0 - 9 , N	**7**
Item 62: Culvert	0 - 9 , N	**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**	**600**	**3352**
Scour	G, F, P, or C	**G**		
Wingwall	G, F, P, or C	**F**	**5**	**3350**
Field Scour Evaluation		**L**		
Drift	G, F, P, or C	**P**	**80**	**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**		
Superstructure Paint Code				

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	**N**
Priority Maintenance Request Submitted	YES/NO	**Y**
Inspection Time	Hours	**16**
Traffic Control Time	Hours	**5**
Snooper Time	Hours	**5**
Ladder Used	YES/NO	**N**
Bucket Truck Used	YES/NO	**N**
Boat Used	YES/NO	**N**
Other Equipment Used	YES/NO	**N**

National Bridge and NC SMU Inspection Item Details

Structure Number: 000112 **Inspection Date:** 08/21/2019

Item	Substructure - Item 60	**Grade**	4	**Maint Code**		**Qty.**	0
Details	WIDE SPREAD SPALLING & DELAM WITH EXPOSED REINFORCING THROUGHOUT BENTS						

Item	Priority Maintenance Issued	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	SPALLING THROUGHOUT BENTS, SIDEWALKS, SPAN 4 BEAM 5 & DRIFT UNDER SPAN 4.						

Item	Presently Posted	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	SV:31 TTST:35						

Item	Slope Protection	**Grade**	F	**Maint Code**	3352	**Qty.**	600
Details	EROSION HOLE (50FT L. X 12FT W. X 2FT D.) AT BASE OF END BENT 2 SLOPE PROTECTION						

Item	Drift	**Grade**	P	**Maint Code**	3366	**Qty.**	80
Details	DRIFT, (100FT L. X 50FT W. X 15FT D.) UPSTREAM SIDE SPAN 4. (PAR)						

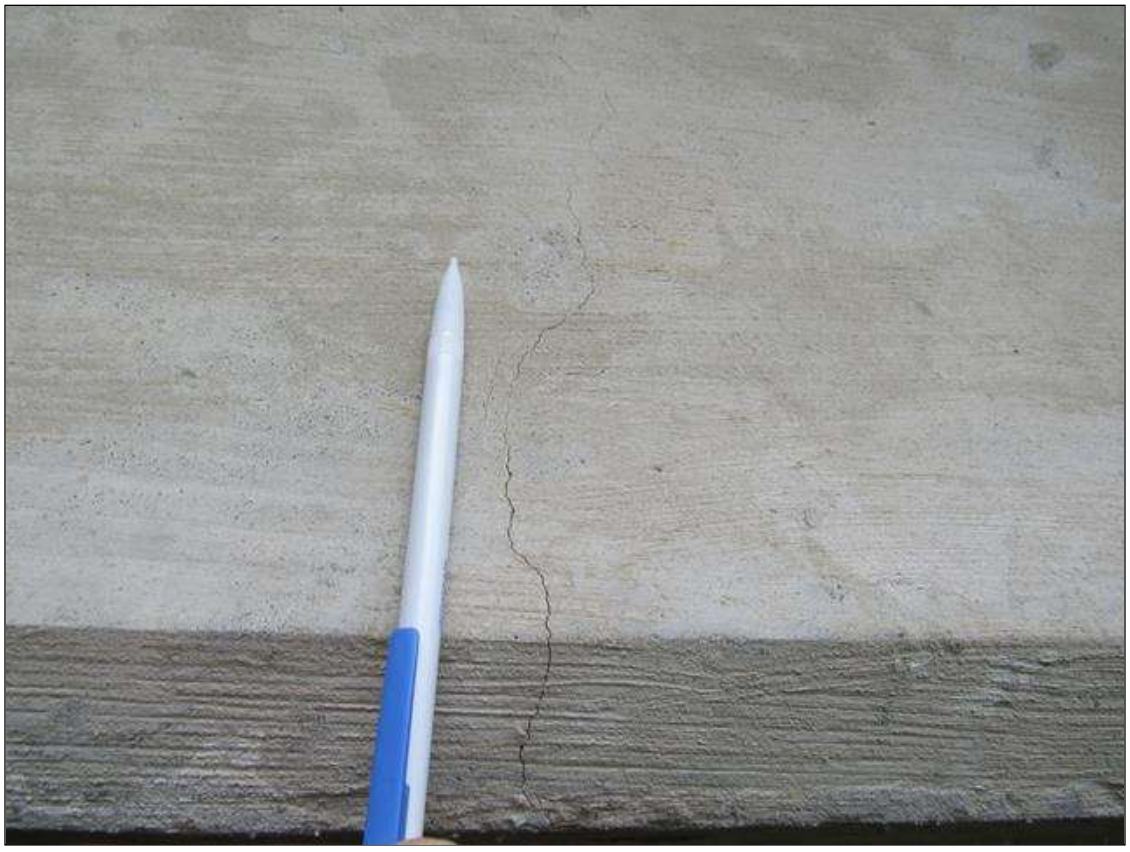
Item	Wingwalls	**Grade**	F	**Maint Code**	3350	**Qty.**	5
Details	FAR LEFT WINGWALL - SPALL (7IN X 4IN X 3/4IN) NO EXPOSED REINFORCING, FAR CORNER FAR RIGHT WINGWALL - SPALLING, (UP TO 2FT X 8IN X 2IN) NO EXPOSED REINFORCING, NEAR CORNER NEAR RIGHT WINGWALL - SPALL (10IN X 6IN X 1IN) NO EXPOSED REINFORCING, NEAR CORNER NEAR LEFT WINGWALL - SPALLING, (UP TO 6IN X 4IN X 1/2IN) WITH EXPOSED REINFORCING, FAR CORNER						

Item	General Comments and Misc Items	**Grade**	F	**Maint Code**		**Qty.**	0
Details	FAR LEFT GUARDRAIL - MODERATE DAMAGE (30FT), STARTING 50 FT FROM BRIDGE NEAR RIGHT GUARDRAIL POST - POST NOT ATTACHED, POST 8 FROM END TREATMENT, POST 3 & 5 SIMILAR						

FAR LEFT GUARDRAIL - MODERATE DAMAGE (30FT), STARTING 50 FT FROM BRIDGE

NEAR RIGHT GUARDRAIL POST - POST NOT ATTACHED, POST 8 FROM END TREATMENT, POST 3 & 5 SIMILAR

SPAN 1 BEAM 5 - SPALL (4IN X 4IN X 1IN) RIGHT SIDE AT BOTTOM, 15FT FROM NEAR END



TYPICAL INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT BEAMS, SPAN 1 BEAM 5 MID-SPAN

SPAN 1 BEAM 1 - SPALL (8IN X 8IN X 2IN) BOTTOM LEFT EDGE, 8FT FROM NEAR END

SPAN 1 BEAM 1 - DELAM (5FT L. X FULL W.) TO BOTTOM, 12FT FROM FAR END

TYPICAL INTERMITTENT HAIRLINE TO 1/32IN LONGITUDINAL CRACKING WITH MODERATE TO HEAVY EFFLO. THROUGHOUT UNDERSIDE OF DECK, SPAN 1 BAY 1

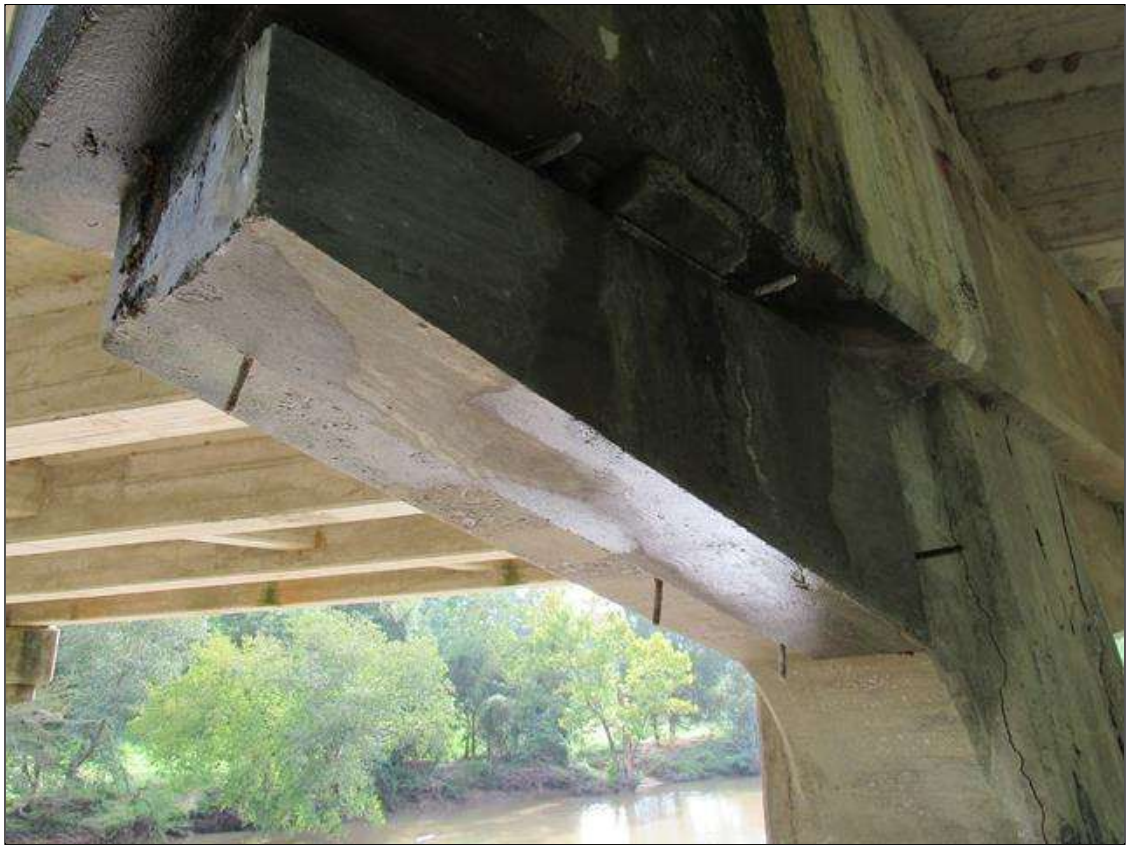
SPAN 1 BEAM 2 - SPALL (5IN X 4IN X 1IN) BOTTOM RIGHT, 10FT FROM NEAR END

TYPICAL INTERMITTENT SOUND PATCH, (UP TO 3SF) THROUGHOUT BEAMS, SPAN 1 BEAM 1 RIGHT SIDE, 5FT FROM NEAR END

SPAN 1 BEAM 3 - SPALL (3IN X 3IN X 1/2IN) BOTTOM RIGHT, MID-SPAN

SPAN 1 BEAM 4 - SOUND PATCH (8IN DIAM) & DIAGONAL OPEN CRACK, (UP TO 1/8IN X 5IN L.) LEFT SIDE AT FAR END

SPAN 1 FAR END DIAPHRAGM - SPALL/DELAM (3FT X 1FT X 3IN) WITH EXPOSED REBAR, LEFT OF BEAM 4



BENT 1 NEAR FACE - PARTIALLY DELAMINATED PATCH, (1SF) AT LEFT END

TYPICAL SPALL (UP TO 18IN X 12IN X 2IN) WITH EXPOSED REINFORCING TO UNDERSIDE OF DECK OVERHANG, SPAN 2 NEAR END

BENT 1 COLUMN 1 - SOUND PATCH (6FT X 2FT) NEAR LEFT CORNER, 3FT FROM BOTTOM OF CAP

BENT 1 COLUMN 1 - DELAM (12SF) NEAR RIGHT CORNER, STARTING AT TOP OF COLUMN

BENT 1 CAP, NEAR FACE - HORIZONTAL 1/32IN CRACK, (4FT L.) WITH EFFLO. & RUST STAINING, ABOVE COLUMN 1

BENT 1 NEAR FACE - DELAM (5SF) ABOVE COLUMN 2

BENT 1 COLUMN 2 - SPALL/DELAM (7FT X 1FT X 4IN) WITH EXPOSED REINFORCING, NEAR LEFT CORNER STARTING AT TOP OF COLUMN. (PAR PHOTO)

BENT 1 CAP & COLUMN , NEAR FACE - DELAM (6FT X 1FT) NEAR RIGHT CORNER & (3SF) AT RIGHT GUSSET

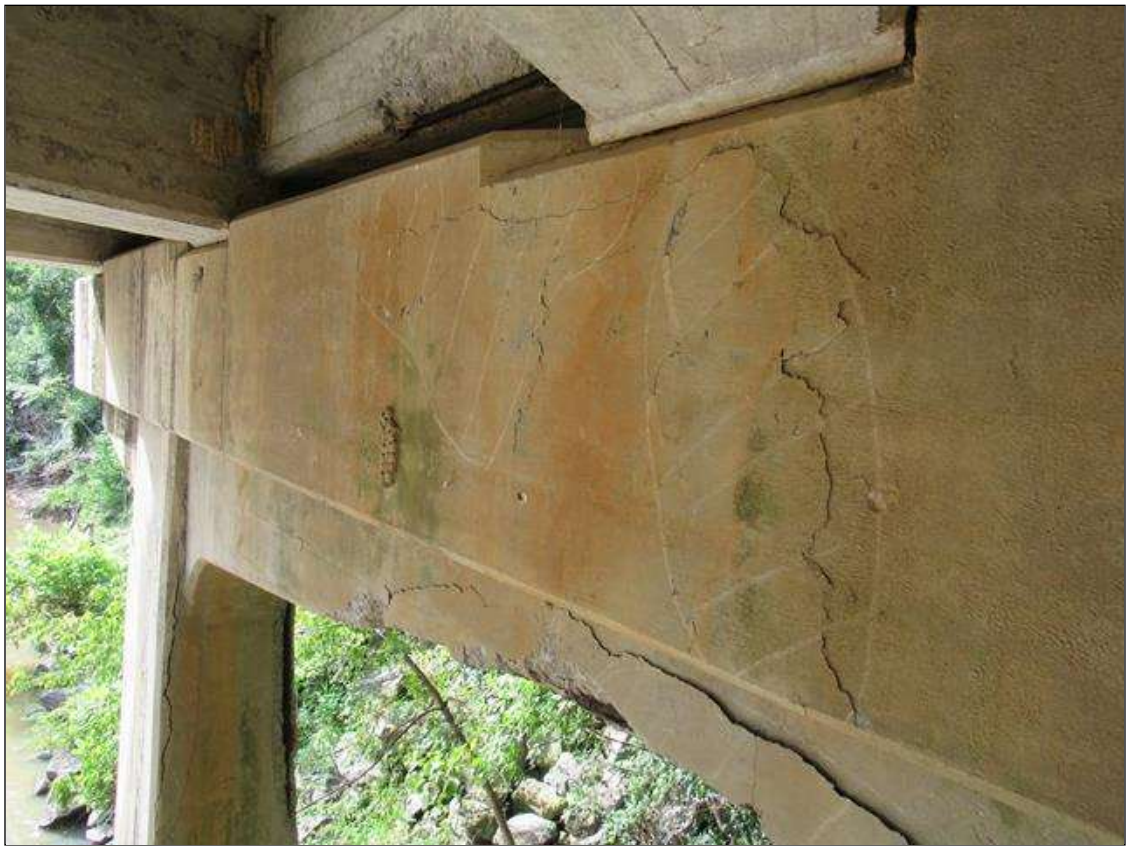
BENT 1 CAP, FAR FACE - SPALL (1FT X 6IN X 1IN) WITH EXPOSED REINFORCING, UNDER BEAM 1

BENT 1 COLUMN 1 - DELAM (6FT X 8IN) FAR LEFT CORNER, STARTING 2FT FROM BOTTOM OF CAP

SPAN 1 FAR END, SPAN 2 NEAR END DIAPHRAGM, BAY 1 - SPALL (5FT X 6IN X 3IN) WITH EXPOSED REINFORCING & HEAVY EFFLO.

SPAN 2 NEAR END DIAPHRAGM, BAY 2 - SPALL (28IN X 4IN X 2IN) WITH EXPOSED REINFORCING

BENT 1 CAP, FAR FACE - DELAM (30IN X 7IN) BOTTOM EDGE UNDER BAY 2



BENT 1 CAP, FAR FACE - DELAM (6SF) UNDER BEAM 3

BENT 1 CAP, UNDERSIDE - SPALL/DELAM (9FT X 2FT X 5IN) WITH EXPOSED REINFORCING, UNDER BEAM 3. (PAR PHOTO)

BENT 1 CAP, FAR FACE - SPALL (6IN X 1IN) WITH EXPOSED REINFORCING, UNDER BEAM 4

BENT 1 COLUMN 2, FAR FACE - (X2) DELAM (UP TO 7FT X 1FT) FAR LEFT & RIGHT CORNERS, STARTING AT BOTTOM OF CAP

SPAN 2 NEAR END DIAPHRAGM - SPALL (3FT X 6IN X 3IN) WITH EXPOSED REINFORCING, RIGHT OF BEAM 3

SPAN 2 BAY 4 MID-SPAN DIAPHRAGM - SPALL/DELAM (3FT X 6IN X 3IN) WITH REINFORCING EXPOSED

SPAN 2 BEAM 1 - DELAM (16IN X 8IN) BOTTOM RIGHT AT MID-SPAN

DRIFT, (100FT L. X 50FT W. X 15FT D.) UPSTREAM SIDE SPAN 4. (PAR PHOTO)

SPAN 2 BEAM 1 - SPALL/DELAM (2SF X 5IN) WITH EXPOSED REINFORCING, LEFT SIDE FAR END

TYPICAL WATER SCALING, (UP TO 2FT H.) THROUGHOUT COLUMNS AT WATERLINE, BENT 1 COLUMN 1 FAR FACE

BENT 2 COLUMN 1, RIGHT SIDE - SPALL/DELAM (UP TO 25FT L. X 3FT W. X 6IN D.) WITH EXPOSED REINFORCING. (PAR PHOTO)

BENT 2 CAP, NEAR FACE - SPALL/DELAM (UP TO 7FT X 2FT X 5IN) WITH EXPOSED REINFORCING. (PAR PHOTO)

BENT 2 CAP, NEAR FACE - DELAM (5SF) UNDER BAY 3

BENT 2 COLUMN 2 - SPALL/DELAM (10FT X 1FT X 4IN) WITH EXPOSED REINFORCING, NEAR RIGHT CORNER, STARTING 6FT DOWN FROM CAP. (PAR PHOTO)

SPAN 2 FAR END DIAPHRAGM, BAY 4 - SPALL (4FT X 6IN X 3IN) WITH EXPOSED REINFORCING

BENT 2 COLUMN 2 - SPALL/DELAM (15FT L. X 1FT W. X 6IN D.) WITH EXPOSED REINFORCING, FAR RIGHT CORNER STARTING AT CAP. (PAR PHOTO)

BENT 2 COLUMN 2 - DELAM (6FT X 1FT) FAR LEFT CORNER STARTING AT CAP

BENT 2 COLUMN 1 - DELAM/SPALL (8FT X 8IN X 3IN) WITH EXPOSED REINFORCING, STARTING 3FT FROM CAP, FAR LEFT CORNER

SPAN 3 NEAR END DIAPHRAGM, BAY 1 - SPALL (2FT X 4IN X 1IN) WITH EXPOSED REINFORCING & EFFLO.

SPAN 3 FAR END & SPAN 4 NEAR END UNDESIDE OF DECK OVERHANG - DELAM (2SF), LEFT SIDE

SPAN 3 BEAM 1 - SPALL (6IN X 1IN) WITH EXPOSED REINFORCING, RIGHT SIDE FAR END

BENT 3 NEAR FACE - SPALL (18IN X 10IN X 2IN) WITH EXPOSED REINFORCING & DELAM (2SF) TO GUSSET UNDER BEAM 1

BENT 3 COLUMN 1 - DELAM (2.5FT X 6IN) NEAR LEFT CORNER, STARTING 2FT FROM CAP

BENT 3, NEAR FACE - (X2) DELAM (UP TO 3SF) UNDER BEAM 3

BENT 3 COLUMN 2 - (X2) SPALL/DELAM (UP TO 18FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, NEAR FACE LEFT & RIGHT CORNERS. (PAR PHOTO)

BENT 3 COLUMN 1 - DELAM (3FT X 6IN) FAR LEFT CORNER STARTING 4FT FROM CAP

BENT 3 CAP, FAR FACE - DELAM (5SF) ABOVE COLUMN 1

SPAN 4 BEAM 1 - DELAM (4FT X FULL W.) BOTTOM OF BEAM 12FT FROM NEAR END

SPAN 4 BEAM 1 - DELAM (8IN DIAM.) BOTTOM OF BEAM 6FT FROM NEAR END

BENT 3 CAP, FAR FACE - SPALL (2FT X 6IN X 4IN) WITH BEARING LOSS, (UP TO 1.5IN X FULL W.) UNDER BEAM 2. REMAINING CONCRETE IS SOUND. (PAR PHOTO)

BENT 3 CAP FAR FACE - DELAM (2SF) RIGHT OF BEAM 2

BENT 3 COLUMN 1 - DELAM (5FT X 8IN) FAR RIGHT CORNER STARTING 5FT FROM CAP

BENT 3 COLUMN 2 - (X2) DELAM (UP TO 7FT X 8IN) FAR LEFT & FAR RIGHT CORNERS, STARTING AT CAP

BENT 3 CAP FAR FACE - DELAM (5FT X 8IN) & SPALL (28IN X 6IN X 1IN) WITH EXPOSED REINFORCING, SPAN 4 NEAR END DIAPHRAGM, BAY 4

SPAN 4, BEAM 5 - SPALL (5FT X FULL W. X 5IN D.) WITH EXPOSED & CORRODED REINFORCING, BOTTOM OF BEAM AT MID-SPAN. (PAR PHOTO)

SPAN 4, BEAM 5 - DELAM (20IN X 5IN) BOTTOM LEFT EDGE NEAR MID-SPAN

SPAN 4 BEAM 5 - SPALL (2FT X 6IN X 4IN) WITH EXPOSED REINFORCING, FAR END LEFT SIDE

SPAN 4 BEAM 4 - SPALL (1FT X 8IN X 1.5IN) WITH EXPOSED REINFORCING TO BOTTOM AT FAR END

BENT 4 CAP, NEAR FACE - DELAM (1SF) ABOVE COLUMN 2

BENT 4 COLUMN 1 - DELAM (8FT X 10IN) NEAR RIGHT CORNER STARTING AT CAP

BENT 4 COLUMN 2 - SPALL/DELAM (13FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, NEAR LEFT CORNER. (PAR PHOTO)

BENT 4 CAP, NEAR FACE - DELAM (1SF) UNDER BEAM 4

BENT 4 CAP NEAR FACE - DELAM/SPALL (4SF X 3IN D.) WITH EXPOSED REINFORCING, UNDER BEAM 3 TO GUSSET

BENT 4 CAP, NEAR FACE - DELAM (UP TO 10SF) BETWEEN BEAMS 2 & 3

BENT 4 CAP, NEAR FACE - DELAM (3SF) TO GUSSET UNDER BEAM 1

BENT 4 COLUMN 1 - SPALL/DELAM (13FT L. X FULL W. X 6IN D.) WITH EXPOSED REINFORCING, NEAR FACE. (PAR PHOTO)

BENT 4 CAP, NEAR FACE - DELAM (5FT X 8IN) BAY 1

BENT 4 COLUMN 2 - PARTIALLY DELAMINATED PATCH, (2SF) AT TOP, FAR RIGHT CORNER

BENT 4 COLUMN 2 - SPALL/DELAM (12FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, FAR LEFT CORNER. (PAR PHOTO)

BENT 4 CAP, FAR FACE - SPALL (2FT X 8IN X 4IN) WITH EXPOSED REINFORCING, UNDER BEAM 4

BENT 4 CAP, FAR FACE - DELAM (5SF) BAY 3 & SPALL (2.5FT X 8IN X 3IN) WITH EXPOSED REINFORCING TO SPAN 5 NEAR END DIAPHRAGM, BAY 3

BENT 4 CAP, FAR FACE - DELAM (5FT X FULL W.) TO BOTTOM UNDER BEAM 3

BENT 4 CAP, FAR FACE - DELAM (4FT X FULL W.) TO GUSSET UNDER BEAM 2

BENT 4 CAP, FAR FACE - INTERMITTENT SPALLING/DELAM, (UP TO 2SF X 2IN D.) WITH EXPOSED REINFORCING, BETWEEN BEAMS 1 & 3

BENT 4 COLUMN 1 - SPALLING/DELAM (10FT L. X 1FT W. X 4IN D.) WITH EXPOSED REINFORCING, FAR & NEAR RIGHT CORNER. (PAR PHOTO)

BENT 4 COLUMN 1 - DELAM (12FT X 10IN) FAR LEFT CORNER STARTING AT TOP OF COLUMN

BENT 4 COLUMN 1 - (X2) SPALLS (UP TO 3FT X 8IN X 3IN) WITH EXPOSED REINFORCING, FAR LEFT CORNER 4FT FROM WATERLINE

SPAN 5 BEAM 3 - SPALL (8IN X 6IN X 5IN) WITH EXPOSED REINFORCING, RIGHT SIDE NEAR END

SPAN 4 FAR END, SPAN 5 NEAR END, BEAM 5 - SPALL/DELAM (UP TO 1SF X 4IN D.) WITH EXPOSED REINFORCING & BEARING LOSS TO SPAN 4 BEAM 5 ONLY (12IN X 4IN), RIGHT SIDE FAR END. (PAR PHOTO)

SPAN 5 BEAM 1 - SPALL (18IN X 6IN X 3IN) NO EXPOSED REINFORCING, FAR END LEFT SIDE

BENT 5 CAP, NEAR FACE - DELAM (5FT X 1FT) BAY 1

BENT 5 COLUMN 1 - PRATIALLY DELAMINATED PATCH, (1SF) AT TOP TO NEAR LEFT CORNER & DELAM (10FT X 1FT) TO NEAR RIGHT CORNER

BENT 5 CAP, NEAR FACE - INTERMITTENT DELAM/SPALLING, (UP TO 3SF X 2IN D.) WITH EXPOSED REINFORCING, BETWEEN BEAMS 2 & 3

SPAN 5 FAR END DIAPHRAGM, BAY 3 - SPALL (4FT X 6IN X 3IN) WITH EXPOSED REINFORCING

BENT 5 COLUMN 2 - DELAM (10FT X 1FT) NEAR LEFT CORNER STARTING AT TOP OF COLUMN

BENT 5 CAP, NEAR FACE - DELAM (2SF) & SPALLING (UP TO 6IN DIAM. X 1IN D.) WITH EXPOSED REINFORCING TO GUSSET UNDER BEAM 5

BENT 5 COLUMN 2 - DELAM (8FT X 1FT) RIGHT FACE STARTING AT TOP OF COLUMN

EROSION HOLE (50FT L. X 12FT W. X 2FT D.) AT BASE OF END BENT 2 SLOPE PROTECTION

BENT 5 COLUMN 1 - DELAMINATED PATCH (8FT X 16IN) FAR RIGHT CORNER & DELAM (10FT X 1FT) FAR LEFT CORNER

SPAN 6 NEAR END DIAPHRAGM, BAY 2 - DELAM (5FT X 6IN)

SPAN 6 NEAR END DIAPHRAGM, BAY 3 - SPALL (4FT X 6IN X 3IN) WITH EXPOSED REINFORCING

SPAN 6 NEAR END DIAPHRAGM, BAY 4 - SPALL (5FT X 6IN X 3IN) WITH EXPOSED REINFORCING

BENT 5 COLUMN 2 - DELAM (10FT X 16IN) FAR LEFT CORNER STARTING AT BOTTOM OF CAP

BENT 5 COLUMN 2 - DELAMINATED PATCH (10FT X 16IN) FAR RIGHT CORNER

NEAR APPROACH & AWS OVER END BENT 1 - INTERMITTENT TRANSVERSE OPEN CRACKING, (UP TO 1/4IN X FULL L.) THROUGHOUT, FAR APPROACH SIMILAR

TYPICAL INTERMITTENT LONGITUDINAL OPEN CRACKING, (UP TO 1/2IN X 8FTL.) THROUGHOUT, SPAN 2 NEAR END RIGHT SIDE

SPAN 3 SIDEWALK, RIGHT SIDE - SPALLING, (UP TO 5FT X 4FT X 4IN D.) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR PHOTO)

TYPICAL INTERMITTENT SPALLING, (UP TO 8IN X 2IN X 1IN) WITH EXPOSED REINFORCING & CRACKING, (UP TO 1/32IN X 2FT L.) THROUGHOUT RAIL, SPAN 3 RIGHT RAIL MID-SPAN

TYPICAL AWS OVER INTERIOR BENT - TRANSVERSE OPEN CRACKING, (UP TO 1/4IN X FULL W.) THROUGHOUT, AWS OVER BENT 3

SPAN 4 RIGHT RAIL - DIAGONAL OPEN CRACKING, (UP TO 1/8IN X 4FT L.) AT 1/3 POINT

SPAN 5 SIDEWALK, RIGHT SIDE - SPALLING, (UP TO 5FT X 4FT X 3IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR PHOTO)

SPAN 5 SIDEWALK, RIGHT SIDE - SPALLING, (UP TO 4FT X 4FT X 4IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, FAR END. (PAR PHOTO)

SPAN 5 SIDEWALK, LEFT SIDE - SPALLING, (3FT X 2FT X 1.5IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, FAR END

SPAN 3 SIDEWALK, LEFT SIDE - SPALLING, (4FT X 4FT X 3IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR PHOTO)

TYPICAL WEAR WITH EXPOSED AGGREGATE THROUGHOUT TOP OF RAIL, SPAN 3 LEFT RAIL

TYPICAL WEAR/SHALLOW SPALLING, (UP TO 1/2IN D.) WITH EXPOSED AGGREGATE THROUGHOUT SIDEWALK, SPAN 2 LEFT SIDE NEAR END

FAR LEFT WINGWALL - SPALL (7IN X 4IN X 3/4IN) NO EXPOSED REINFORCING, FAR CORNER

TYPICAL INTERMITTENT VERTICAL HAIRLINE CRACK, (UP TO 10IN L.) THROUGHOUT CAP, END BENT 2 BAY 1

TYPICAL INTERMITTENT LONGITUDINAL HAIRLINE TO 1/32IN CRACK, (UP TO 5FT L.) THROUGHOUT CAP, END BENT 2 BAY 4

FAR RIGHT WINGWALL - SPALLING, (UP TO 2FT X 8IN X 2IN) NO EXPOSED REINFORCING, NEAR CORNER

NEAR RIGHT WINGWALL - SPALL (10IN X 6IN X 1IN) NO EXPOSED REINFORCING, NEAR CORNER

END BENT 1 CAP - LONGITUDINAL OPEN CRACK, (1/8IN X 5FT L.) UNDER BEAM 2

END BENT 2 CAP - DELAM (1FT X 6IN) TO LEFT END PILE CAP AT LEFT SIDE & LONGITUDINAL CRACK, (1/32IN X 2FT L.) LEFT OF BEAM 1

NEAR LEFT WINGWALL - SPALLING, (UP TO 6IN X 4IN X 1/2IN) WITH EXPOSED REINFORCING, FAR CORNER

Stream Bed Soundings

(Profile diagram on following sheet)

County **ALAMANCE** Structure Number: **000112** Inspection Date **08/21/2019**

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

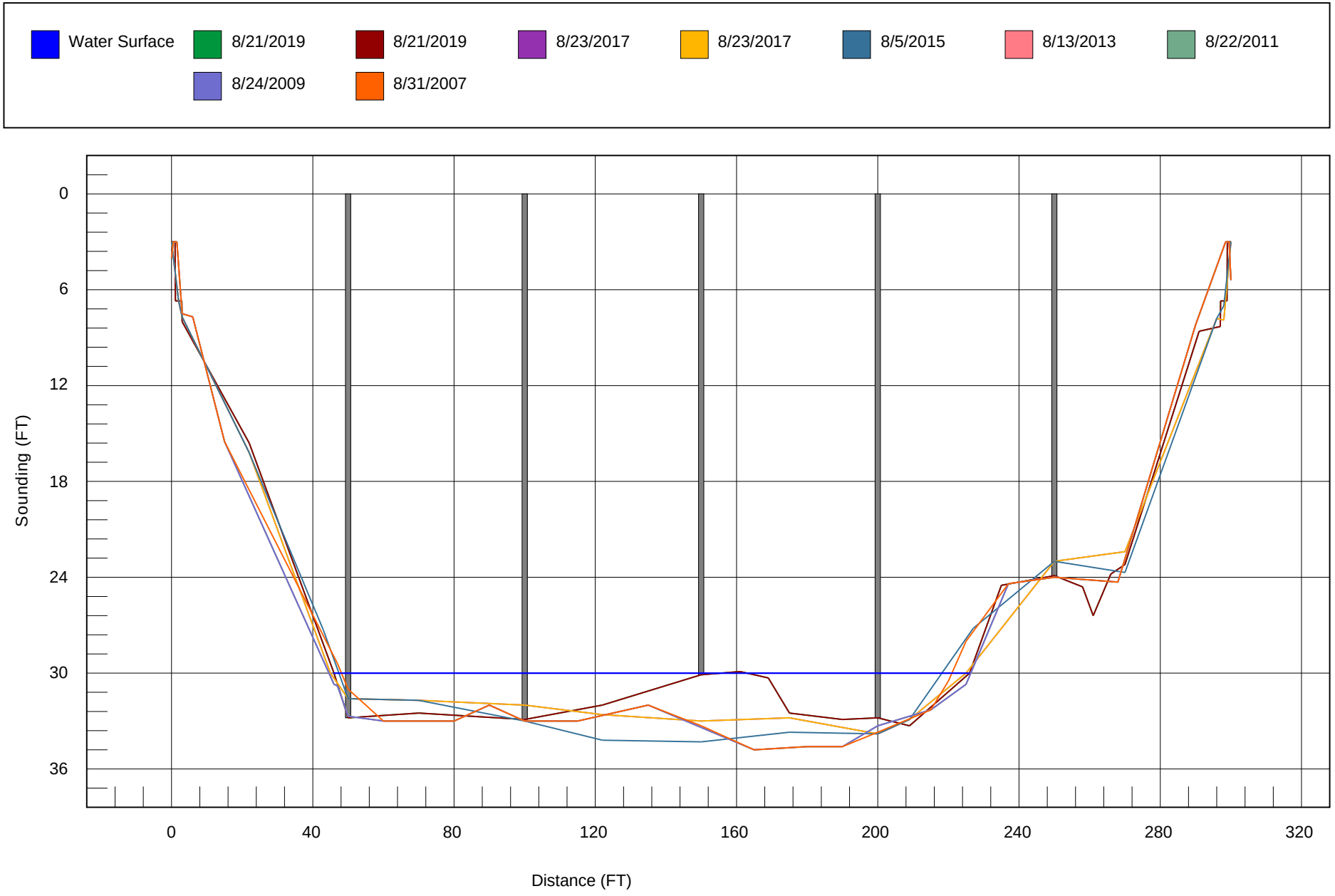
Highwater Mark Distance Location of Highwater Mark

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	3.000	0.000	FILL FACE
1.000	3.000	0.000	
1.100	6.700	0.000	TOP OF CAP
2.900	6.700	0.000	TOP OF CAP
3.000	8.000	9.100	FACE OF CAP
22.000	15.600	0.000	
46.000	30.000	0.000	WSWE
50.000	32.800	33.400	BENT 1
70.000	32.500	0.000	
100.000	32.900	32.800	BENT 2
122.000	32.000	0.000	
150.000	30.100	21.000	BENT 3, U/S SOUNDING TO TOP OF DRIFT
161.000	29.900	0.000	
169.000	30.300	0.000	
175.000	32.500	0.000	
190.000	32.900	0.000	
200.000	32.800	30.000	BENT 4
209.000	33.300	0.000	
226.000	30.000	0.000	WSWE
235.000	24.500	0.000	
250.000	23.900	22.900	BENT 5
258.000	24.600	0.000	
261.000	26.400	0.000	
266.000	23.800	0.000	
270.000	23.200	0.000	TOE OF SLOPE
291.000	8.600	0.000	TOP OF SLOPE
297.000	8.300	7.900	FACE OF CAP
297.100	6.700	0.000	TOP OF CAP
298.900	6.700	0.000	TOP OF CAP
299.000	3.000	0.000	
300.000	3.000	0.000	FILL FACE

Bridge: 000112 County: ALAMANCE Date: 08/21/2019

STREAMBED PROFILE (Downstream)

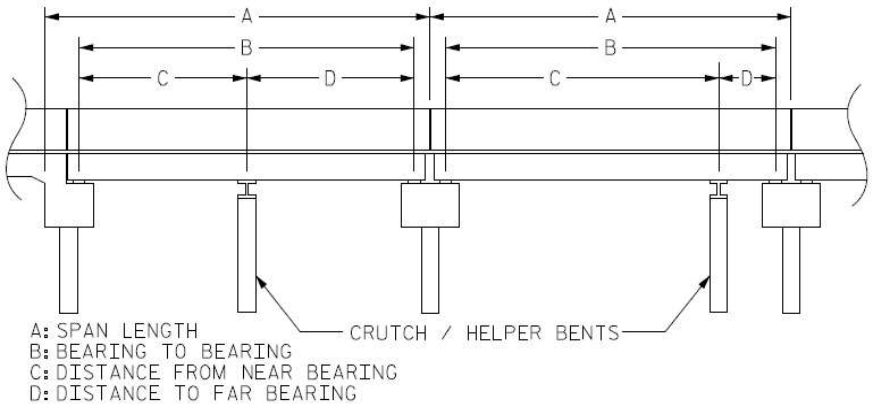
Top of Rail = 0FT (Sounding)



Structure Data Worksheet

Span Profile

County: **ALAMANCE** Structure Number: **000112**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	50.000	47.500			
2	50.000	48.500			
3	50.000	48.500			
4	50.000	48.500			
5	50.000	48.500			
6	50.000	47.500			

LOOKING STATIONS AHEAD, NORTH

LOOKING STATIONS BACK, SOUTH

LOOKING UPSTREAM

LOOKING DOWNSTREAM

DOWNSTREAM ELEVATION, LOOKING AHEAD

UPSTREAM ELEVATION, LOOKING AHEAD

NEAR RIGHT GUARDRAIL END TREATMENT, NEAR LEFT SIMILAR

TYPICAL GUARDRAIL POST SPACING, NEAR RIGHT

TYPICAL GUARDRAIL TRANSITION, NEAR RIGHT

TYPICAL GUARDRAIL ATTACHMENT, NEAR RIGHT

WEIGHT LIMIT SIGN, NEAR RIGHT

WEIGHT LIMIT SIGN, FAR LEFT

FAR LEFT GUARDRAIL END TREATMENT, FAR RIGHT SIMILAR

END BENT 1

BENT 1, FAR FACE

BENT 2, NEAR FACE

BENT 3, NEAR FACE

TYPICAL SUPERSTRUCTURE, SPAN 3 LOOKING AHEAD

BENT 4, NEAR FACE

BENT 5, NEAR FACE

END BENT 2

TYPICAL WINGWALL, FAR LEFT

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 000112 County ALAMANCE Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3306	Maintain Concrete Superstructure Components	SF	0	Span 4 Beam 5: SPALL (5FT X FULL W. X 5IN D.) WITH EXPOSED & CORRODED REINFORCING, BOTTOM OF BEAM AT MID-SPAN. (PAR)	
3306	Maintain Concrete Superstructure Components	SF	0	Span 4 Beam 5: SPALL/DELAM (UP TO 1SF X 4IN D.) WITH EXPOSED REINFORCING & BEARING LOSS, (12IN X 4IN) RIGHT SIDE FAR END. (PAR)	
3318	Maint to Concrete Handrail	LF	0	Span 3 Right Bridge Rail: SIDEWALK, RIGHT SIDE - SPALLING, (UP TO 5FT X 4FT X 4IN D.) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR)	
3318	Maint to Concrete Handrail	LF	0	Span 3 Left Bridge Rail: SIDEWALK - SPALLING, (4FT X 4FT X 3IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR)	
3318	Maint to Concrete Handrail	LF	0	Span 5 Right Bridge Rail: SIDEWALK, RIGHT SIDE - SPALLING, (UP TO 5FT X 4FT X 3IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR)	
3318	Maint to Concrete Handrail	LF	0	Span 5 Right Bridge Rail: RIGHT SIDE - SPALLING, (UP TO 4FT X 4FT X 4IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, FAR END. (PAR)	
3348	Maintain Concrete Substructure Components	LF	0	Bent 1 Cap 1: UNDERSIDE - SPALL/DELAM (9FT X 2FT X 5IN) WITH EXPOSED REINFORCING, UNDER BEAM 3. (PAR)	
3348	Maintain Concrete Substructure Components	LF	0	Bent 1 Pile 2: SPALL/DELAM (7FT X 1FT X 4IN) WITH EXPOSED REINFORCING, NEAR LEFT CORNER STARTING AT TOP OF COLUMN. (PAR)	
3348	Maintain Concrete Substructure Components	LF	7	Bent 2 Cap 1: SPALL/DELAM (UP TO 7FT X 2FT X 5IN) WITH EXPOSED REINFORCING, NEAR FACE. (PAR)	
3348	Maintain Concrete Substructure Components	LF	0	Bent 2 Pile 1: RIGHT SIDE - SPALL/DELAM (UP TO 25FT L. X 3FT W. X 6IN D.) WITH EXPOSED REINFORCING. (PAR)	
3348	Maintain Concrete Substructure Components	LF	0	Bent 2 Pile 2: SPALL/DELAM (10FT X 1FT X 4IN) WITH EXPOSED REINFORCING, NEAR RIGHT CORNER, STARTING 6FT DOWN FROM CAP. (PAR)	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 000112 County ALAMANCE Date:

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	0	Bent 2 Pile 2: SPALL/DELAM (15FT L. X 1FT W. X 6IN D.) WITH EXPOSED REINFORCING, FAR RIGHT CORNER STARTING AT CAP. (PAR)	
3348	Maintain Concrete Substructure Components	LF	0	Bent 3 Cap 1: SPALL (2FT X 6IN X 4IN) WITH BEARING LOSS, (UP TO 1.5IN X FULL W.) UNDER BEAM 2. REMAINING CONCRETE IS SOUND. (PAR)	
3348	Maintain Concrete Substructure Components	LF	0	Bent 3 Pile 2: (X2) SPALL/DELAM (UP TO 18FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, NEAR FACE LEFT & RIGHT CORNERS. (PAR)	
3348	Maintain Concrete Substructure Components	LF	0	Bent 4 Pile 1: SPALL/DELAM (13FT L. X FULL W. X 6IN D.) WITH EXPOSED REINFORCING, NEAR FACE. (PAR)	
3348	Maintain Concrete Substructure Components	LF	0	Bent 4 Pile 1: SPALLING/DELAM (10FT L. X 1FT W. X 4IN D.) WITH EXPOSED REINFORCING, FAR & NEAR RIGHT CORNER. (PAR)	
3348	Maintain Concrete Substructure Components	LF	0	Bent 4 Pile 2: SPALL/DELAM (13FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, NEAR LEFT CORNER. (PAR)	
3348	Maintain Concrete Substructure Components	LF	0	Bent 4 Pile 2: SPALL/DELAM (12FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, FAR LEFT CORNER. (PAR)	
3366	Drift and Debris Removal	HR	0	DRIFT, (100FT L. X 50FT W. X 15FT D.) UPSTREAM SIDE SPAN 4. (PAR)	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 000112 County ALAMANCE

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	0 SF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details

Span 4 Beam 5: SPALL (5FT X FULL W. X 5IN D.) WITH EXPOSED & CORRODED REINFORCING, BOTTOM OF BEAM AT MID-SPAN. (PAR)

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	0 SF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/23/2019	ADAM FELMLEE	

Details

Span 4 Beam 5: SPALL/DELAM (UP TO 1SF X 4IN D.) WITH EXPOSED REINFORCING & BEARING LOSS, (12IN X 4IN) RIGHT SIDE FAR END. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 000112 County ALAMANCE

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

MMS Code	MMS Description	Quantity
3318	Maint to Concrete Handrail	0 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details

Span 3 Right Bridge Rail: SIDEWALK, RIGHT SIDE - SPALLING, (UP TO 5FT X 4FT X 4IN D.) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR)

MMS Code	MMS Description	Quantity
3318	Maint to Concrete Handrail	0 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details

Span 3 Left Bridge Rail: SIDEWALK - SPALLING, (4FT X 4FT X 3IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 000112 County ALAMANCE

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

MMS Code	MMS Description	Quantity
3318	Maint to Concrete Handrail	0 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details

Span 5 Right Bridge Rail: SIDEWALK, RIGHT SIDE - SPALLING, (UP TO 5FT X 4FT X 3IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR)

MMS Code	MMS Description	Quantity
3318	Maint to Concrete Handrail	0 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details

Span 5 Right Bridge Rail: RIGHT SIDE - SPALLING, (UP TO 4FT X 4FT X 4IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, FAR END. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 000112 County ALAMANCE

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	0 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details

Bent 1 Cap 1: UNDERSIDE - SPALL/DELAM (9FT X 2FT X 5IN) WITH EXPOSED REINFORCING, UNDER BEAM 3. (PAR)

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	0 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details

Bent 1 Pile 2: SPALL/DELAM (7FT X 1FT X 4IN) WITH EXPOSED REINFORCING, NEAR LEFT CORNER STARTING AT TOP OF COLUMN. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 000112 County ALAMANCE

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	7 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/23/2019	ADAM FELMLEE	

Details

Bent 2 Cap 1: SPALL/DELAM (UP TO 7FT X 2FT X 5IN) WITH EXPOSED REINFORCING, NEAR FACE. (PAR)

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	0 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details

Bent 2 Pile 1: RIGHT SIDE - SPALL/DELAM (UP TO 25FT L. X 3FT W. X 6IN D.) WITH EXPOSED REINFORCING. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 000112 County ALAMANCE

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	0 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details

Bent 2 Pile 2: SPALL/DELAM (10FT X 1FT X 4IN) WITH EXPOSED REINFORCING, NEAR RIGHT CORNER, STARTING 6FT DOWN FROM CAP. (PAR)

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	0 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details

Bent 2 Pile 2: SPALL/DELAM (15FT L. X 1FT W. X 6IN D.) WITH EXPOSED REINFORCING, FAR RIGHT CORNER STARTING AT CAP. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 000112 County ALAMANCE

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	0 LF

Location:
Bent/Span No.

Priority Level	Status
	Request Awaiting Assignment

Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details
Bent 3 Cap 1: SPALL (2FT X 6IN X 4IN) WITH BEARING LOSS, (UP TO 1.5IN X FULL W.) UNDER BEAM 2. REMAINING CONCRETE IS SOUND. (PAR)

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	0 LF

Location:
Bent/Span No.

Priority Level	Status
	Request Awaiting Assignment

Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details
Bent 3 Pile 2: (X2) SPALL/DELAM (UP TO 18FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, NEAR FACE LEFT & RIGHT CORNERS. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 000112 County ALAMANCE

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	0 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details

Bent 4 Pile 1: SPALL/DELAM (13FT L. X FULL W. X 6IN D.) WITH EXPOSED REINFORCING, NEAR FACE. (PAR)

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	0 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details

Bent 4 Pile 1: SPALLING/DELAM (10FT L. X 1FT W. X 4IN D.) WITH EXPOSED REINFORCING, FAR & NEAR RIGHT CORNER. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 000112 County ALAMANCE

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	0 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details

Bent 4 Pile 2: SPALL/DELAM (13FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, NEAR LEFT CORNER. (PAR)

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	0 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
08/22/2019	ADAM FELMLEE	

Details

Bent 4 Pile 2: SPALL/DELAM (12FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, FAR LEFT CORNER. (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 000112 County ALAMANCE

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

MMS Code	MMS Description	Quantity
3366	Drift and Debris Removal	0 HR

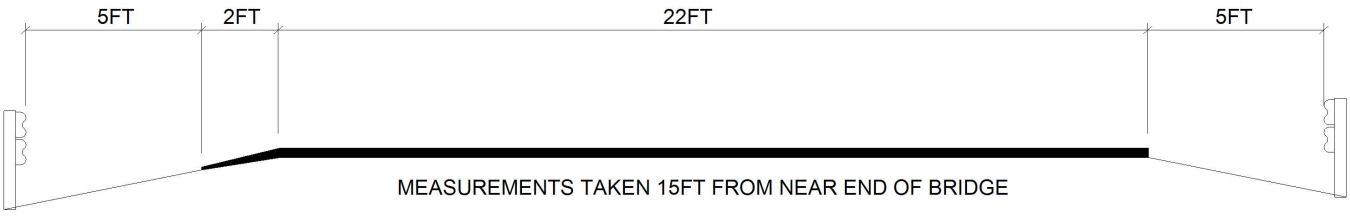
Location:	
Bent/Span No.	

Priority Level	Status
	Request Awaiting Assignment

Submitted Date:	Submitted By:	Assisted By:
08/23/2019	ADAM FELMLEE	

Details
DRIFT, (100FT L. X 50FT W. X 15FT D.) UPSTREAM SIDE SPAN 4. (PAR)

Bridge Inspection Field Sketch



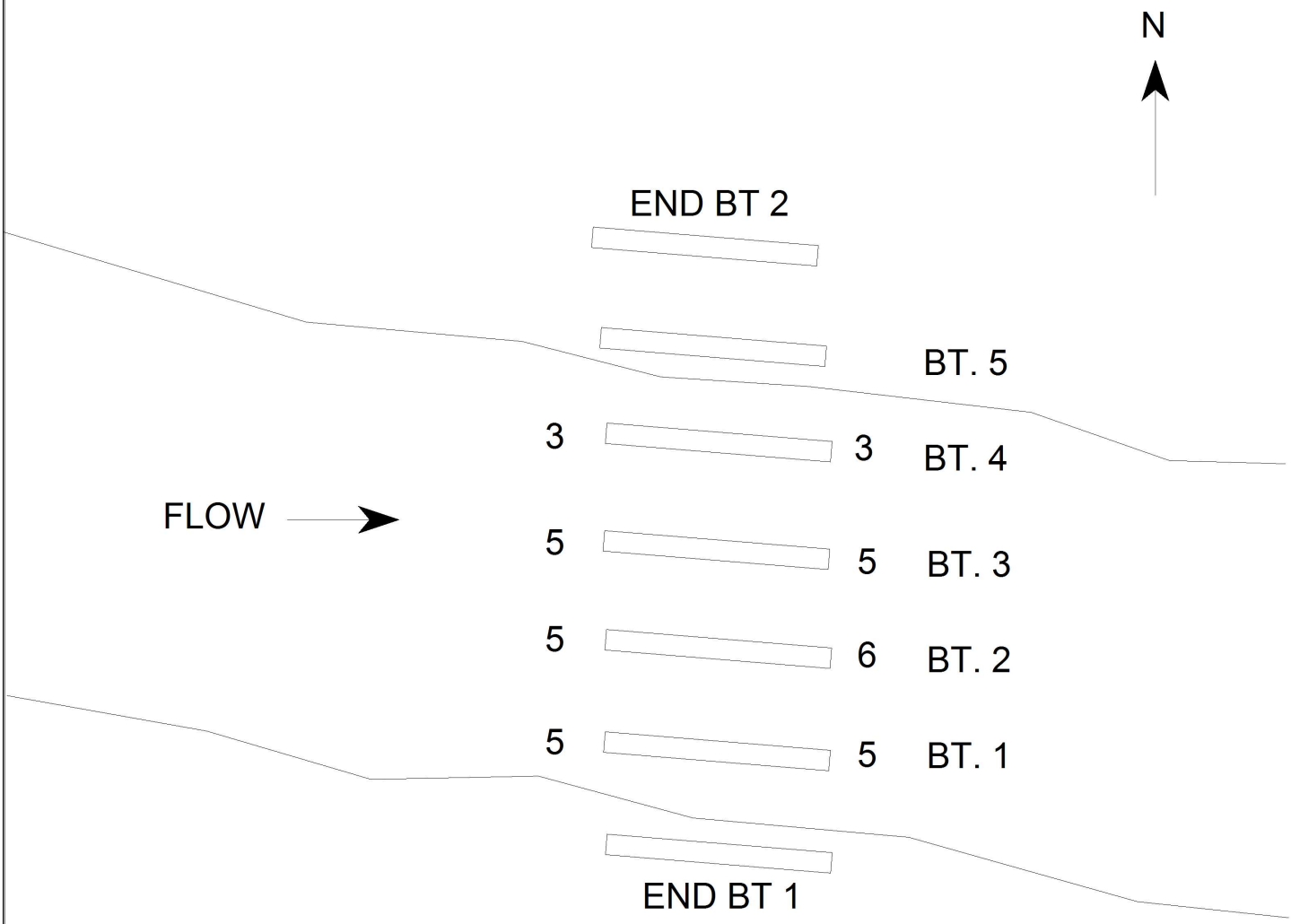
Roadway	22ft Wide	2 Paved Lanes	Looking North
Left Shoulder	7ft Wide	2ft Paved	5ft Unpaved
Right Shoulder	5ft Wide		5ft Unpaved
Left Guardrail	7ft from road		
Right Guardrail	5ft from road		

VERIFIED 8/21/19 AGF & MWR
MEAS. EDITED 8/23/2017...RFW

Title	**Description**
APPROACH ROADWAY	app rdway

Bridge No: 000112	**Drawn By:** MYW	**Date:** 08/24/09	**File Name:** S0058000792

Bridge Inspection Field Sketch



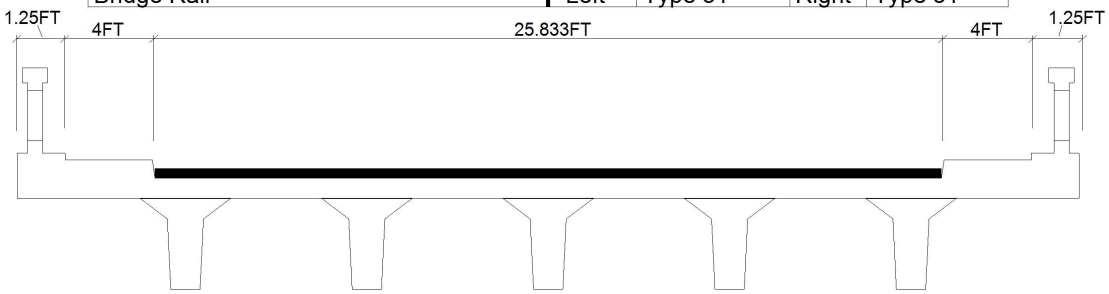
WS: 27.9' @ BT. 1 E.SIDE
BOTTOM COMP: RIVER SAND, SILT, BEDROCK & COBBLE
BOTTOM PROBE: 0

Title	Description
PLAN VIEW	RC POST & BEAM

Bridge No:	Drawn By:	Date:	File Name:
000112	JCB	2/12/2008	S0162000160

Bridge Inspection Field Sketch

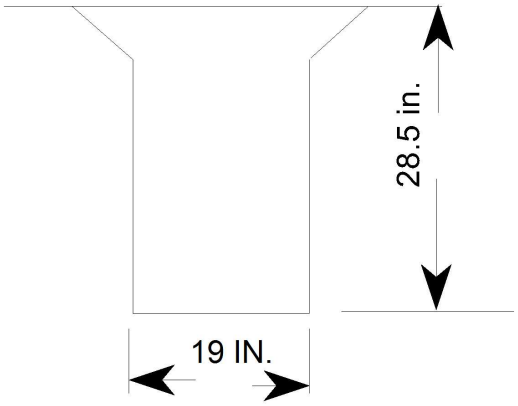
Deck Width/Out to Out	36.333ft	Between Rails				33.833ft
Clear Roadway	25.833ft	Wearing Surface				0.333ft
Median Width		Median Height				
Curb Height		Left	0.458ft	Right	0.458ft	
Sidewalk Width		Left	4ft	Right	4ft	
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left	1.25ft	Right	1.25ft	
Top of Rail to Deck/Wearing Surface		Left	3.333ft	Right	3.333ft	
Bridge Rail		Left	Type 31	Right	Type 31	



Measurements for Span #	1		
Deck Thickness	0.542	Left Overhang	4.417
Top of Rail to Bottom of Beam	6.583	Right Overhang	4.417

Beam Number	Beam Type	Spacing	Comments
1	RC Deck Girder	6.875ft	
2	RC Deck Girder	6.875ft	
3	RC Deck Girder	6.875ft	
4	RC Deck Girder	6.875ft	
5	RC Deck Girder	ft	

end bts- rc caps on hp 12 x 53 steel piles, piles not visible
int bts- 2 column rcp & b on spread ftgs.



REVISED 8/21/19 AGF & MWR

Title	Description
SUPERSTRUCTURE	ALL SPANS

Bridge No:	Drawn By:	Date:	File Name:
000112	MYW	08/24/09	S0058000793

Bridge Inspection Field Sketch

VERTICAL EXPOSURES- 2/18/2016

BENT 2	NE	SE	NW	SW
C1	COV	COV	TOF	TOF
C2	TOF	TOF	TOF	TOF
BENT 3				
C1	.5	TOF	TOF	TOF
C2	.8	TOF	.8	.5
BENT 4				
C1	TOF	1.2	.3	.6
C2	1.2	1.0	.5	1.5

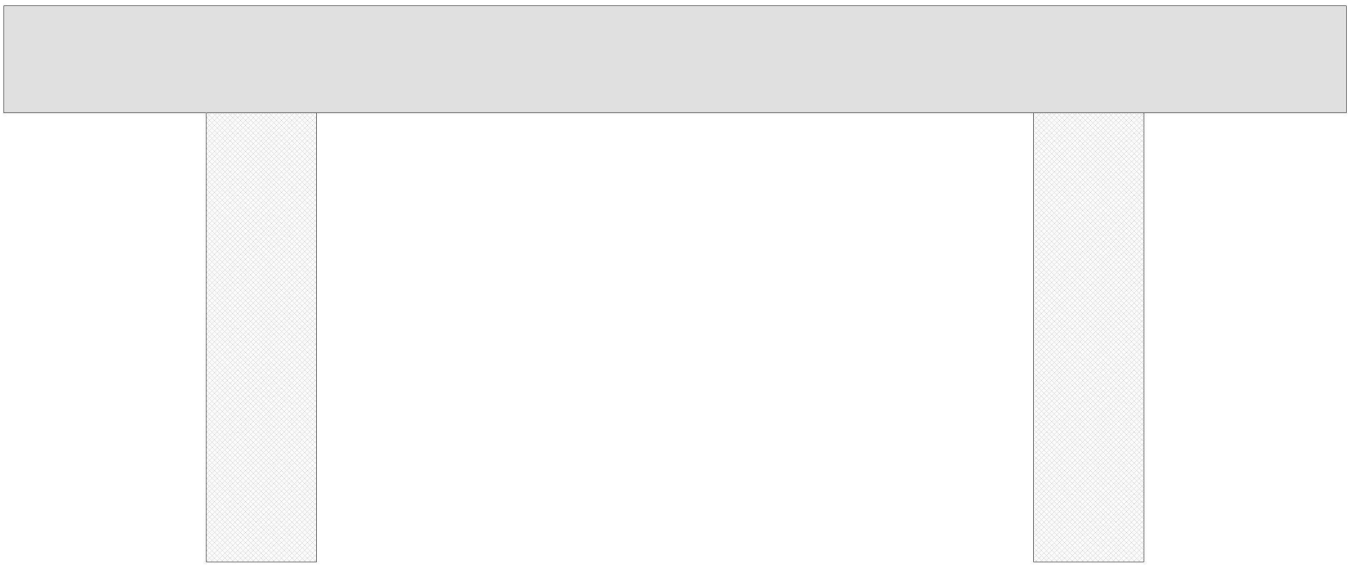
VERTICAL EXPOSURES- 2/09/2012

BENT 2	NE	SE	NW	SW
C1	TOF	TOF	TOF	TOF
C2	TOF	TOF	COV	COV
BENT 3				
C1	TOF	TOF	TOF	TOF
C2	1.2	TOF	1.2	1.3
BENT 4				
C1	1.2	1.8	COV	0.5
C2	TOF	1.2	TOF	1.1

Title	Description
VES	VERTICAL EXPOSURE

Bridge No:	Drawn By:	Date:	File Name:
000112	JCB	2/12/2008	S0162000161

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.
36.500 ft.	3.000 ft.	2.917 ft.	7.000 ft.	7.000 ft.	2.500 ft.	2.500 ft.

Subcap Information			Material		
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.

Sill Information			Material
Length	Width	Height	

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	22.500 ft.	3.000 ft.	2.9167 ft.			No	No	No	No
2	Concrete		3.000 ft.	2.9167 ft.			No	No	No	No

VERIFIED 8/21/19 AGF & MWR
MEAS. VERIFIED 8/23/2017...RFW

Bent/Abutment #: 1 Similar Bents: 2,3,4,5

Title	**Description**
PIER DATA	PIER DATA

Bridge No: 000112	**Drawn By:** MYW	**Date:** 8/24/2009	**File Name:** S0058003045