

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: ALAMANO	CE STRUC	TURE NUMBER: 000112	FRE	QUENCY: 24	MONT	HS
FACILITY CARRIED	: NC87			MILE POST	!		
LOCATION: 0.2 MI.	S. JCT. SR1562						
FEATURE INTERSE	CTED: REEDY FORK	CREEK					
LATITUDE: 36° 10	23.06"	LONGITUDE:	79° 30' 37.11"				
SUPERSTRUCTURE	E: REINFORCED CO	DNCRETE DECK GIRDE	RS				
SUBSTRUCTURE:	END BENTS:RC CAP	ON STEEL PILES, INT.B	ENTS:RC POST & BEAM	l			
SPANS: 6 SPAN	S. SEE SPAN PROFI	LE SHEET FOR SPAN D	ETAILS				
FRACTURE CR	ITICAL TEMPO	DRARY SHORING	SCOUR CRITICAL	SCOUR	PLAN OF AC	TION	
NBI GRADES:	DECK 5 SU	PERSTRUCTURE 5	SUBSTRUCTURE 4	CULVER	RT N		
POSTED SV: 31			POSTED TTST: 35				
OTHER SIGNS PRE	SENT: (2) WEIGHT L	LIMIT SIGNS		Sign notice			Number Required
				NO	WEIGHT L	IMIT	0
	La Agent			NO	DELINEAT	ORS	0
			elicar Cari SE 1050 SE 1050	NO	NARROW B	RIDGE	0
			Daniel .	NO	ONE LANE B	RIDGE	0
SA ZARATE	Service Servic			NO	LOW CLEAR	ANCE	0
				INSI	CTION OF PECTION ECTION HES PLANS	S-N YES	
LOOKING STATIC	ONS AHEAD, NORTH						
INSPECTED BY ADAM FELMLEE		SIGNATURE	den Foln Der	ASSISTED B	Y MARTIN RU	SS	

IDENTIFICATION —			. 27 1072
(1) STATE NAME NORTH CAROLINA BRIDGE	000112	SUFFICIENCY RATING	70000000
(8) STRUCTURE NUMBER (FEDERAL)	0010112	STATUS =	700000000 Structurally Defici
,	131000870	CLASSIFICATION	CODI
(2) STATE HIGHWAY DEPARTMENT DISTRICT (3) COUNTY CODE (FEDERAL) 1 (4) PLACE CODE	7 49600	(112) NBIS BRIDGE SYSTEM	Y
(6) FEATURE INTERSECTED REEDY FORK CREEK	49000	(104) HIGHWAY SYSTEM Inventory Route	not on NHS
(7) FACILITY CARRIED NC87		(26) FUNCTIONAL CLASS Rural Mi	inor Arterial
(9) LOCATION 0.2 MI. S. JCT. SR1562		(100) STRAHNET HIGHWAY Not a STRAH	INET Route
(11) MILEPOINT	0.0	(101) PARALLEL STRUCTURE No parallel struc	cture exists
(12) BASE HIGHWAY NETWORK (13) LRS INVENTORY ROUTE & SUBROUTE	1 30087	(102) DIRECTION OF TRAFFIC 2	2-way traffic
	30' 37.11"	(103) TEMPORARY STRUCTURE	
(98) BORDER BRIDGE STATE CODE PERCENT SHARED		(110) DESIGNATED NATIONAL NETWORK - on national networ	k for trucks
(99) BORDER BRIDGE STRUCTURE NUMBER		(20) TOLL Or	n Free Road
STRUCTURE TYPE AND MATERIAL		(21) MAINT -	
(43) STRUCTURE TYPE MAIN	Concrete	(22) OWNER -	
TYPE Tee Beam CODE		(37) HISTORICAL SIGNIFICANCE -	
(44) STRUCTURE TYPE APPROACH			COD
TYPE CODE		(58) DECK	COD
(45) NUMBER OF SPANS IN MAIN UNIT	. 6	(59) SUPERSTRUCTURE	
(46) NUMBER OF SPANS IN APPROACH	0	(60) SUBSTRUCTURE	
(107) DECK STRUCTURE TYPE CODE	•	(61) CHANNEL & CHANNEL PROTECTION	
(108) WEARING SURFACE/PROTECTIVE SYSTEM		(62) CULVERTS	
(A) TYPE OF WEARING SURFACE CODE	6	LOAD RATING AND POSTING	CODI
(B) TYPE OF MEMBRANE CODE		(31) DESIGN LOAD	H 15
(C) TYPE OF DECK PROTECTION CODE			Load Factor
•		(64) OPERATING RATING -	HS-15
(27) YEAR BUILT	1949	(65) INVENTORY RATING METHOD -	110-10
(106) YEAR RECONSTRUCTED	0.	(66) INVENTORY RATING	HS-9
	000000000	(00) INVENTORT RATING	
(42) TYPE OF SERVICE ON - Highway - F		(70) BRIDGE POSTING Postin	ng Required
OFF - Waterway CODE	55	(41) STRUCTURE OPEN, POSTED, OR CLOSED	
(28) LANES ON STRUCTURE 2 LANES UNDER STRUCTURE	0	DESCRIPTION Poste	d for Load
(29) AVERAGE DAILY TRAFFIC	5500	APPRAISAL	COD
(30) YEAR OF ADT 2018 (109) TRUCK ADT PCT	8	(67) STRUCTURAL EVALUATION	
(19) BYPASS OR DETOUR LENGTH	1.0	(68) DECK GEOMETRY	
GEOMETRIC DATA —		(69) UNDERCLEARANCES, VERT & HORIZ	
(48) LENGTH OF MAXIMUM SPAN	49.0	(71) WATERWAY ADEQUACY	
(49) STRUCTURE LENGTH	300.0	(72) APPROACH ROADWAY ALIGNMENT	
(50) CURB OR SIDEWALK: LEFT 4.3 RIGHT	4.3	(36) TRAFFIC SAFETY FEATURES	0
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB	25.8 36.5	(113) SCOUR CRITICAL BRIDGES	· ·
(52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WITH (W/ SHOULDERS)	24.0	PROPOSED IMPROVEMENTS -	
(33) BRIDGE MEDIAN No median CODE	0	(75) TYPE OF WORK	CODE
(34) SKEW 30 (35) STRUCTURE FLARED	0	(76) LENGTH OF STRUCTURE IMPROVEMENT	
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9	(94) BRIDGE IMPROVEMENT COST	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	25.8		
(53) MIN VERT CLEAR OVER BRIDGE RDWY (54) MIN VERT UNDERCLEAR: REFERENCE	999.9 0.0	(95) ROADWAY IMPROVEMENT COST	
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE N	0.0	(96) TOTAL PROJECT COST	
• •	0.0	(97) YEAR OF IMPROVEMENT COST ESTIMATE	ADT -
(56) MIN LAT UNDERCLEARANCE LT:		(114) FUTURE ADT 11,000 YEAR OF FUTURE	ADT 2
(56) MIN LAT UNDERCLEARANCE LT: NAVIGATION DATA (38) NAVIGATION CONTROL - CODE	0	(90) INSPECTION DATE INSPECTION (91) FF	REQUENCY
(38) NAVIGATION DATA CODE			REQUENCY (93) CFI DATE
(38) NAVIGATION DATA (38) NAVIGATION CONTROL - CODE (111) PIER PROTECTION CODE		(90) INSPECTION DATE 08/19 (91) FR (92) CRITICAL FEATURE INSPECTION	
(38) NAVIGATION DATA (38) NAVIGATION CONTROL - CODE (111) PIER PROTECTION CODE (39) NAVIGATION VERTICAL CLEARANCE	0.0	(90) INSPECTION DATE (92) CRITICAL FEATURE INSPECTION A) FRACTURE CRIT DETAIL A)	(93) CFI DATE
(38) NAVIGATION DATA (38) NAVIGATION CONTROL - CODE (111) PIER PROTECTION CODE		(90) INSPECTION DATE 08/19 (91) FR (92) CRITICAL FEATURE INSPECTION	

Superstructure Build Details

Skew 120.0000

Span Number 1 Span Length 50.0000

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		
	1	i i	i		i i	

Span Number $\underline{4}$ Span Length $\underline{50.0000}$ Skew $\underline{120.0000}$

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		

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	О	0	О	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	О	1183	О	9755
Footing	3348	Maintenance of Concrete Substructure	0	35	0	О	О	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

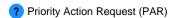
Span3			
3318	Left Bridge Rail	Concrete Railin	ng
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	0	Span 3 Left Bridge Rail: SIDEWALK - SPALLING, (4FT X 4FT X 3IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR)
3318	Right Bridge Rail	Concrete Railir	ng
Priority 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 Co	ncrete 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 & CORRODEI
2	Delamination/Spall	0	REINFORCING, BOTTOM OF BEAM AT MID-SPAN. (PAR) 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 Railir	ng
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)
2	Delamination/Spall	0	WITH EXPOSED REINFORCING & LOOSE AGGREGATE, FAR END. (PAR) 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 Co	ncrete 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 Co	ncrete Column

Priority Actions Request

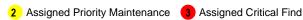
Structure Number 000112 **Priority** Level **Defect Type** Quantity **Defect Description (2)** 0 Bent 1 Pile 2: SPALL/DELAM (7FT X 1FT X 4IN) WITH EXPOSED REINFORCING, Delamination/Spall NEAR LEFT CORNER STARTING AT TOP OF COLUMN. (PAR) Bent 2 Reinforced Concrete Pier Cap 3348 Cap 1 **Priority** Quantity Level **Defect Type Defect Description** 2 Delamination/Spall 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 Defect Type Defect Description** Level Quantity (2) 0 Bent 2 Pile 1: RIGHT SIDE - SPALL/DELAM (UP TO 25FT L. X 3FT W. X 6IN D.) Delamination/Spall WITH EXPOSED REINFORCING. (PAR) 3348 Pile 2 Reinforced Concrete Column **Priority** Quantity Level **Defect Type Defect Description** (2) Bent 2 Pile 2: SPALL/DELAM (10FT X 1FT X 4IN) WITH EXPOSED Delamination/Spall REINFORCING, NEAR RIGHT CORNER, STARTING 6FT DOWN FROM CAP. (PAR) 2 Bent 2 Pile 2: SPALL/DELAM (15FT L. X 1FT W. X 6IN D.) WITH EXPOSED Delamination/Spall 0 REINFORCING, FAR RIGHT CORNER STARTING AT CAP. (PAR) Bent 3 3348 Cap 1 Reinforced Concrete Pier Cap Priority Quantity Level **Defect Type Defect Description** 2 Delamination/Spall 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) Bent 3 Pile 2: (X2) SPALL/DELAM (UP TO 18FT L. X 1FT W. X 5IN D.) WITH Delamination/Spall

Bent 4

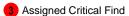
Pile 1 Reinforced Concrete Column 3348







EXPOSED REINFORCING, NEAR FACE LEFT & RIGHT CORNERS. (PAR)



Priority Actions Request

000112 Structure Number

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 Co	ncrete 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	



Defect Type

Quantity

Priority Level

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

Defect Description



Element Condition and Maintenance Data

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

lucture	Number. <u>000112</u>					11.1	spection	Jaie. 00/2 1/20 1
Sp	an 1	Deck						
Re	inforced Concrete	e Deck						
	ement imber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinfo	rced Concrete Deck	1,823	1,398	0	425	0	Square Feet
leme	Dofoot Typo	Defect Des	scription		CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	CRACKING WITH MODERATE 1	HAIRLINE TO 1/32IN LONGITUDINAL TH MODERATE TO HEAVY EFFLO. UNDERSIDE OF DECK IN BAYS 1 & 4			425	425	Square Feet
	General Comments							_

General Comments

CRACKING & EFFLO. CONSOLIDATED

Spa	ın 1	Beam 1									
Reinforced Concrete Girder											
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty				
110	Reinford	ced Concrete Open Girder/Beam	50	17	27	6	0 F	eet			
Elemer Numbe	Dofoct Typo	Defect Descriptio	n		cs	CS Qty	Maint Qty				
110	Delamination/Spall	DELAM (5FT L. X FULL W.) TO BOTTOLEND	M, 12FT FROM	/I FAR	3	5	5	Feet			
110	Delamination/Spall	SPALL (8IN X 8IN X 2IN) BOTTOM LEFT NEAR END	ΓEDGE, 8FT	FROM	3	1	1	Feet			
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE (FULL HT.) SPACED UP TO 2FT O.C. TH	, ,	JP TO	2	20		Feet			
110	Delamination/Spall	SPALL (4IN DIAM. X 1/2IN D.) WITH EX REINFORCING, RIGHT SIDE FAR END	POSED		2	1	1	Feet			
110	Patched Area	INTERMITTENT SOUND PATCHES, (UI THROUGHOUT	P TO 3SF)		2	6		Feet			

General Comments

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

Spa	n 1	Beam 2						
Rei	nforced Concrete	e Girder						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfo	rced Concrete Open Girder/Beam	50	25	25	0	0 Feet	
Elemen Numbe	Defect Type	Defect Descript	ion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE FULL HT.) SPACED UP TO 2FT O.C.	, ,	IP TO	2	20	Feet	
110	Delamination/Spall	SPALL (5IN X 4IN X 1IN) BOTTOM RIG	GHT, 10FT FRO	M NEAR	2	1	1 Feet	
110	Patched Area	INTERMITTENT SOUND PATCHES, (INTERMITTENT SOU	UP TO 1SF)		2	4	Feet	

Spa	n 1	Beam 3						
Reir	forced Concrete	Girder						
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfo	rced Concrete Open Girder/Beam	50	24	26	0	0 F	eet
Elemen Number	Dofoct Typo	Defect Descripti	on		cs	CS Qty	Maint Qty	
110	Patched Area	INTERMITTENT SOUND PATCHES, (I THROUGHOUT	JP TO 1SF)		2	5		Feet
110	Cracking (RC and Other)		INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT			20		Feet
110	Delamination/Spall	SPALL (3IN X 3IN X 1/2IN) BOTTOM RIGHT, MID-SPAN			2	1	1	Feet

Total	CS1	CS2	CS3	CS4
Total	CS1	CS2	CS3	CS4
Qty	Qty	Qty	Qty	Qty
50	25	24	1	0 Feet
	50	50 25	50 25 24	50 25 24 1

Elemen Number	Defeat 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

Spa	n 1	Beam 5					
Reir	nforced Concre	e Girder					
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinf	orced Concrete Open Girder/Beam	50	4	46	0	0 Feet
lemen lumbei	Dofoct Typo	Defect Description	on		cs	CS Qty	Maint Qty
110	Cracking (RC and Other)		TERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO JLL HT.) SPACED UP TO 2FT O.C. THROUGHOUT			20	Feet
110	Delamination/Spall	SPALL (4IN X 4IN X 1IN) RIGHT SIDE A FROM NEAR END	AT BOTTOM, 1	5FT	2	1	1 Feet
110	Patched Area	INTERMITTENT SOUND PATCHES, (UTHROUGHOUT	IP TO 1SF)		2	25	Feet
-	General Comments						

Span	1	Wearing S	Surface				
Aspl	nalt Wearing Sui	face					
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearin	g Surface	1,292	1,268	0	24	0 Square Feet
lement umber	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty
	Crack (Wearing Surface)	TRANSVERSE OPEN CRACKING THROUGHOUT NEAR & FAR EN		ULL W.)	3	24	24 Square Feet

Spa	an 1	Left Bridge Rail						
Coi	ncrete Railing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfo	rced Concrete Bridge Railing	50	0	50	0	0 F	eet
Elemei Numbe	Dofoct Type	Defect Descriptio	n		cs	CS Qty	Maint Qty	
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO 1/3 THROUGHOUT	NTERMITTENT CRACKING, (UP TO 1/32IN X 2FT L.) THROUGHOUT			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							

Spa	n 1	Right Bridge	Rail					
Con	crete Railing							
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	50	0	50	0	0 F	eet
lemen	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO THROUGHOUT	O 1/32IN X 2FT L.)		2	4		Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP T EXPOSED AGGREGATE THROUGH OF RAIL		& TOP	2	46	46	Feet
-	General Comments							

Spa	an 2	Deck						
Rei	inforced Concrete	Deck						
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinfor	ced Concrete Deck	1,823	1,619	0	204	0 S	quare Feet
Eleme Numbe	Dofoct Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
12	Cracking (RC and Other)	INTERMITTENT HAIRLINE TO 1/3 CRACKING WITH MODERATE TO THROUGHOUT UNDERSIDE OF	HEAVY EFFLO.	_	3	200	200	Square Feet
12	Delamination/Spall	SPALL (UP TO 18IN X 12IN X 2IN REINFORCING TO UNDERSIDE (SPAN 2 NEAR & FAR END		NG,	3	4	4	Square Feet
	General Comments							

Span 2	2	Beam 1						
Reinfo	rced Concrete	Girder						
Elemer Numbe		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	50	26	22	2	0 Feet	
Element Number	Defect Type	Defect Descript	ion		cs	CS Qty	Maint Qty	
110 D	elamination/Spall	SPALL/DELAM (2SF X 5IN) WITH EXI LEFT SIDE FAR END	POSED REINFOR	RCING,	3	2	2 Feet	

General Comments

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

EFFLO.

Spa	n 2 nforced Concrete	Beam 2					
Eler	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinfor	ced Concrete Open Girder/Beam	50	26	22	2	0 Feet
lemen lumbe	Dofoct Typo	Defect Descript	ion		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		IP TO	2	22	Feet

General Comments

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

Spa	n 2	Beam 3						
Reir	nforced Concrete	e Girder						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfo	rced Concrete Open Girder/Beam	50	28	22	0	0	Feet
Elemen Numbe	Dofoot Typo	Defect Descript	tion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE FULL HT.) SPACED UP TO 2FT O.C.			2	22	-	Feet
_		-						

General Comments

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

Spa	ın 2	Beam 4						
Rei	nforced Concrete	e Girder						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfo	rced Concrete Open Girder/Beam	50	28	22	0	0 Feet	
Elemen Numbe	Dofoot Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE FULL HT.) SPACED UP TO 2FT O.C.		IP TO	2	22	Feet	

General Comments

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

Spa	an 2	Beam 5						
Rei	nforced Concrete	Girder						
	ment mber Reinford	Element Name ced Concrete Open Girder/Beam	Total Qty 50	CS1 Qty 28	CS2 Qty 22	CS3 Qty 0	CS4 Qty 0 Feet	
Elemei Numbe	Dofoct Type	Defect Descript	ion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE FULL HT.) SPACED UP TO 2FT O.C.		IP TO	2	22	Feet	
	General Comments							

Spa	ın 2	Wearing Sur	face					
Asp	halt Wearing Sur	face						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearin	g Surface	1,292	1,262	0	30	0 S	quare Feet
Elemer Numbe	Dofoot Typo	Defect Descri	ption		CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	INTERMITTENT LONGITUDINAL OI 1/2IN X 8FTL.) THROUGHOUT RIGI		(UP TO	3	10	10	Square Feet
510	Crack (Wearing Surface)	TRANSVERSE OPEN CRACKING, (THROUGHOUT, MOSTLY AT BENT		ULL W.)	3	20	20	Square Feet
	General Comments							

Spa	n 2	Left Bridge F	Rail					
Con	crete Railing							
Elen Num 331	ber	Element Name ced Concrete Bridge Railing	Total Qty 50	CS1 Qty 0	CS2 Qty 48	CS3 Qty 2	CS4 Qty 0 F	eet
lement lumber	Defect Type	Defect Descri	otion		cs	CS Qty	Maint Qty	
331	Delamination/Spall	INTERMITTENT SPALLING, (UP TO EXPOSED REINFORCING THROUGH	,	WITH	3	2	2	Feet
331	Delamination/Spall		.R/SHALLOW SPALLING, (UP TO 1/2IN D.) WITH OSED AGGREGATE THROUGHOUT SIDEWALK & TOF			42	42	Feet
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO THROUGHOUT) 1/32IN X 2FT L.))	2	6		Feet

Spa	n 2	Right Bridge	Rail					
Con	crete Railing							
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfo	rced Concrete Bridge Railing	50	0	50	0	0 Feet	
Elemen Number	Dofoct Type	Defect Descrip	tion		CS	CS Qty	Maint Qty	
331	Cracking (RC and INTERMITTENT CRACKING, (UP TO 1/32IN X 2FT L.) Other) THROUGHOUT		2	8	Fee	et		
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP TO EXPOSED AGGREGATE THROUGH OF RAIL		& TOP	2	42	42 Fee	et
-	General Comments							

Spa	ın 3	Deck						
Rei	nforced Concrete	Deck						
	ment mber Reinfor	Element Name ced Concrete Deck	Total Qty 1,823	CS1 Qty 1,571	CS2 Qty	CS3 Qty 252	CS4 Qty 0 So	juare Feet
Elemer Numbe	Dofoot Typo	Defect Desci	ription		cs	CS Qty	Maint Qty	·
12	Cracking (RC and Other)	INTERMITTENT HAIRLINE TO 1/3: CRACKING WITH MODERATE TO THROUGHOUT UNDERSIDE OF D	HEAVY EFFLO.	_	3	250	250	Square Feet

UNDESIDE OF DECK OVERHANG - DELAM (2SF), LEFT Delamination/Spall

SIDE FAR END

2 Square Feet

General Comments

n 3	Beam 1						
nforced Concret	e Girder						
	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Reinfo	orced Concrete Open Girder/Beam	50	19	30	1	0 Feet	
Dofoct Typo	Defect Descripti	ion		cs	CS Qty	Maint Qty	
Delamination/Spall	SPALL (6IN X 1IN) WITH EXPOSED R SIDE FAR END	PALL (6IN X 1IN) WITH EXPOSED REINFORCING, RIGHT		3	1	1 Feet	
Cracking (RC and Other)		, ,	JP TO	2	22	Feet	
Patched Area		JP TO 1SF)		2	8	Feet	
	ment nber Reinfo	ment nber Reinforced Concrete Girder Reinforced Concrete Open Girder/Beam It r Defect Type Delamination/Spall SPALL (6IN X 1IN) WITH EXPOSED R SIDE FAR END Cracking (RC and Other) INTERMITTENT VERTICAL HAIRLINE FULL HT.) SPACED UP TO 2FT O.C.	ment Element Name Qty Reinforced Concrete Open Girder/Beam 50 It Defect Type Defect Description Delamination/Spall SPALL (6IN X 1IN) WITH EXPOSED REINFORCING, ISIDE FAR END Cracking (RC and Other) INTERMITTENT VERTICAL HAIRLINE CRACKING, (LE FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT INTERMITTENT SOUND PATCHES, (UP TO 1SF)	ment Element Name Qty Qty Reinforced Concrete Open Girder/Beam 50 19 Total CS1 Qty Qty Reinforced Concrete Open Girder/Beam 50 19 Total CS1 Qty Qty Reinforced Concrete Open Girder/Beam 50 19 Total CS1 Qty Qty Reinforced Concrete Open Girder/Beam 50 19 Total CS1 Reinforced Concrete Open Girder/Beam 50 19	ment Element Name Qty Qty Qty Reinforced Concrete Open Girder/Beam 50 19 30 It Defect Type Defect Description CS Delamination/Spall SPALL (6IN X 1IN) WITH EXPOSED REINFORCING, RIGHT 3 SIDE FAR END Cracking (RC and Other) FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT Patched Area INTERMITTENT SOUND PATCHES, (UP TO 1SF) 2	ment Element Name Qty	ment Element Name Qty

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

Span	3	Beam 2						
Reinf	orced Concrete	Girder						
Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	50	28	22	0	0	Feet
lement lumber	Defect Type	Defect Descript	tion		cs	CS Qty	Maint Qty	
	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINI FULL HT.) SPACED UP TO 2FT O.C.		IP TO	2	22	-	Feet
Ge	eneral Comments							

Spa	n 3	Beam 3						
Reir	nforced Concrete	e Girder						
	nent nber Reinfo	Element Name rced Concrete Open Girder/Beam	Total Qty 50	CS1 Qty 16	CS2 Qty 34	CS3 Qty 0	CS4 Qty 0	Feet
Elemen Numbe	Dofoot Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE FULL HT.) SPACED UP TO 2FT O.C.	, ,	IP TO	2	22		Feet
110	Patched Area	INTERMITTENT SOUND PATCHES, (THROUGHOUT	UP TO 1SF)		2	12		Feet
-	General Comments							

Span 3	3	Beam 4						
Reinfo	orced Concrete	Girder						
Elemei Numbe		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	50	13	37	0	0 Feet	
Element Number	Defect Type	Defect Descript	tion		cs	CS Qty	Maint Qty	
110 Pa	atched Area	INTERMITTENT SOUND PATCHES, (THROUGHOUT	(UP TO 1SF)		2	15	Feet	

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

Spa	an 3	Beam 5						
Rei	inforced Concrete	e Girder						
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfo	rced Concrete Open Girder/Beam	50	13	37	0	0 Feet	
Eleme	Dofoot Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE FULL HT.) SPACED UP TO 2FT O.C.	, ,	IP TO	2	22	Feet	
110	Patched Area	INTERMITTENT SOUND PATCHES, (INTERMITTENT SOU	UP TO 1SF)		2	15	Feet	
	General Comments							

Spai Aspl	n 3 halt Wearing Sur	Wearing Surface	rface					
Elem Num 510	ber	Element Name g Surface	Total Qty 1,292	CS1 Qty 1,252	CS2 Qty 0	CS3 Qty 40	CS4 Qty 0 S	Square Feet
Element Number	Defect Type	Defect Descri	iption		cs	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE OPEN CRACKING, THROUGHOUT, MOSTLY AT BENT	`	ULL W.)	3	20	20	Square Feet
510	Crack (Wearing Surface)	INTERMITTENT LONGITUDINAL O 1/2IN X 8FTL.) THROUGHOUT RIG		(UP TO	3	20	20	Square Feet

ın 3	Left Bridge F	Rail					
crete Railing							
ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	a a t
Remon	ced Concrete Bridge Railing	50	U	45	5	UF	eet
nt _r Defect Type	Defect Descri	ption		cs	CS Qty	Maint Qty	
Delamination/Spall	- 1	,	WITH	3	1	1	Feet
Delamination/Spall	* *	,		3	4	4	Feet
Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO THROUGHOUT	O 1/32IN X 2FT L.)		2	10		Feet
Delamination/Spall				2	35	35	Feet
	ment nber Reinford The property of the proper	ment mber Reinforced Concrete Bridge Railing Total Defect Type Delamination/Spall	ment Element Name Qty Reinforced Concrete Bridge Railing 50 It Defect Type Defect Description Delamination/Spall INTERMITTENT SPALLING, (UP TO 8IN X 2IN X 1IN) EXPOSED REINFORCING THROUGHOUT Delamination/Spall SIDEWALK - SPALLING, (4FT X 4FT X 3IN) WITH EXI REINFORCING & LOOSE AGGREGATE, NEAR END. Cracking (RC and Other) INTERMITTENT CRACKING, (UP TO 1/32IN X 2FT L.) THROUGHOUT Delamination/Spall WEAR/SHALLOW SPALLING, (UP TO 1/2IN D.) WITH EXPOSED AGGREGATE THROUGHOUT SIDEWALK	ment Element Name Qty Qty Reinforced Concrete Bridge Railing 50 0 Total CS1 Qty Qty Reinforced Concrete Bridge Railing 50 0 Total CS1 Qty Qty Reinforced Concrete Bridge Railing 50 0 Total CS1 Qty Qty Reinforced Concrete Bridge Railing 50 0 Total CS1 Qty Qty Reinforced Concrete Bridge Railing 50 0 Total CS1 Qty Qty Reinforced Concrete Bridge Railing 50 0 Total CS1 Qty Qty Reinforced Concrete Bridge Railing 50 0 Total CS1 Qty Qty Reinforced Concrete Bridge Railing 50 0 Total CS1 Qty Qty Reinforced Concrete Bridge Railing 50 0 Total CS1 Qty Qty Reinforced Concrete Bridge Railing 50 0 Total CS1 Qty Qty Reinforced Concrete Bridge Railing 50 0 The Secretary Spall No Spall No Spalling (UP TO 8 IN X 2 IN X 1 IN) WITH EXPOSED REINFORCING & LOOSE AGGREGATE, NEAR END. (PAR) Throughout Throughout Spall WEAR/SHALLOW SPALLING, (UP TO 1/32 IN X 2 FT L.) Throughout Spall WEAR/SHALLOW SPALLING, (UP TO 1/2 IN D.) WITH EXPOSED AGGREGATE THROUGHOUT SIDEWALK & TOP	ment Element Name Qty Qty Qty Reinforced Concrete Bridge Railing 50 0 45 Total CS1 CS2 Qty Qty Qty Reinforced Concrete Bridge Railing 50 0 45 Total CS1 CS2 Qty Qty Qty Qty Reinforced Concrete Bridge Railing 50 0 45 Total CS1 CS2 Qty Qty Qty Reinforced Concrete Bridge Railing 50 0 45 Total CS1 CS2 Qty Qty Qty Reinforced Concrete Bridge Railing 50 0 45 Total CS1 CS2 Qty Qty Qty Qty Reinforced Concrete Bridge Railing 50 0 45 Total CS2 Qty Qty Qty Qty Reinforced Concrete Bridge Railing 50 0 45 Total CS2 Qty Qty Qty Qty Qty Qty Qty Reinforced Concrete Bridge Railing 50 0 145 Total CS1 CS2 Qty	ment Element Name Qty	ment Element Name Qty

Spa	an 3	Right Bridge	Rail					
Coi	ncrete Railing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinford	ced Concrete Bridge Railing	50	0	26	24	0 F	eet
Elemei Numbe	Dofoct Type	Defect Descript	tion		cs	CS Qty	Maint Qty	
331	Delamination/Spall	INTERMITTENT SPALLING, (UP TO 8 EXPOSED REINFORCING THROUGH		WITH	3	14	14	Feet
331	Delamination/Spall	SIDEWALK - SPALLING, (UP TO 5FT EXPOSED REINFORCING & LOOSE END. (PAR)	,		3	10	10	Feet
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO THROUGHOUT	1/32IN X 2FT L.))	2	25		Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP TO EXPOSED AGGREGATE THROUGH OF RAIL	,		2	1	1	Feet
	General Comments							

Spa	n 4	Deck						
Rei	nforced Concrete	Deck						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinfor	ced Concrete Deck	1,823	1,621	0	202	0 S	Square Feet
Elemen Numbe	Dofoot Typo	Defect Descrip	tion		cs	CS Qty	Maint Qty	
12	Cracking (RC and Other)	INTERMITTENT HAIRLINE TO 1/32IN CRACKING WITH MODERATE TO H THROUGHOUT UNDERSIDE OF DE	EAVY EFFLO.	_	3	200	200	Square Feet
12	Delamination/Spall	UNDESIDE OF DECK OVERHANG - SIDE, NEAR END	DELAM (2SF), I	_EFT	3	2	2	Square Feet
,	General Comments							

Spa	n 4	Beam 1						
Rei	nforced Concrete	Girder						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinford	ced Concrete Open Girder/Beam	50	23	22	5	0 F	eet
Elemen Numbe	Defect Type	Defect Descripti	on		cs	CS Qty	Maint Qty	
110	Delamination/Spall	DELAM (4FT X FULL W.) BOTTOM OF NEAR END	BEAM 12FT FI	ROM	3	4	4	Feet
110	Delamination/Spall	DELAM (8IN DIAM.) BOTTOM OF BEA	M 6FT FROM N	IEAR	3	1	1	Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE FULL HT.) SPACED UP TO 2FT O.C. 1	, ,	IP TO	2	22		Feet
-	General Comments							

Spa	n 4	Beam 2						
Rei	nforced Concrete	Girder						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	rced Concrete Open Girder/Beam	50	28	22	0	0	Feet
lemen lumbe	Defect Type	Defect Descript	tion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINI FULL HT.) SPACED UP TO 2FT O.C.			2	22		Feet
	General Comments							

Spa	ın 4	Beam 3						
Rei	nforced Concrete	Girder						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	50	28	22	0	0 Feet	
Elemen	Defect Type	Defect Descript	tion		CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINI FULL HT.) SPACED UP TO 2FT O.C.		IP TO	2	22	Feet	
	General Comments							_

Spa	n 4	Beam 4						
Reir	nforced Concrete	e Girder						
	nent nber Reinfo	Element Name rced Concrete Open Girder/Beam	Total Qty 50	CS1 Qty 27	CS2 Qty 22	CS3 Qty 1	CS4 Qty 0 F	eet
Elemen Numbe	Dofoot Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
110	Delamination/Spall	SPALL (1FT X 8IN X 1.5IN) WITH EXF TO BOTTOM AT FAR END	POSED REINFO	RCING	3	1	1	Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE FULL HT.) SPACED UP TO 2FT O.C.	, ,	IP TO	2	22		Feet
-	General Comments							

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

Spa	n 4	Beam 5						
Rei	nforced Concrete	Girder						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	50	18	22	5	5 F	eet
Elemen Numbe	Dofoot Typo	Defect Description	on		cs	CS Qty	Maint Qty	
110	Delamination/Spall		ALL (5FT X FULL W. X 5IN D.) WITH EXPOSED & RRODED REINFORCING, BOTTOM OF BEAM AT MID- AN. (PAR)			5	5	Feet
110	Delamination/Spall	DELAM (20IN X 5IN) BOTTOM LEFT E	DGE NEAR MII	D-SPAN	3	2	2	Feet
110	Delamination/Spall	SPALL/DELAM (UP TO 1SF X 4IN D.) \ REINFORCING & BEARING LOSS, (12 FAR END. (PAR)			3	1	1	Feet
110	Delamination/Spall	SPALL (2FT X 6IN X 4IN) WITH EXPOS FAR END LEFT SIDE	SED REINFORG	CING,	3	2	2	Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE FULL HT.) SPACED UP TO 2FT O.C. T		IP TO	2	22		Feet

General Comments

Spa	an 4	Wearing S	urface					
Asp	ohalt Wearing Sur	face						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	g Surface	1,292	1,264	0	28	0 S	quare Feet
Elemer Numbe	Dofoot Typo	Defect Des	cription		CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE OPEN CRACKING THROUGHOUT, MOSTLY AT BE		ULL W.)	3	28	28	Square Feet
	General Comments							

Spa	n 4	Left Bridge	Rail					
Con	crete Railing							
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	50	0	50	0	0 Feet	
Element Number	Defect Type	Defect Descri	iption		cs	CS Qty	Maint Qty	
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP T THROUGHOUT	O 1/32IN X 2FT L.)		2	8	Feet	
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP EXPOSED AGGREGATE THROUG		ТОР	2	42	42 Feet	

General Comments

OF RAIL

Con	crete Railing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	50	0	26	24	0 F	eet
Elemen Numbe	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
331	Cracking (RC and Other)	DIAGONAL OPEN CRACKING, (UP POINT	TO 1/8IN X 4FT L	.) AT 1/3	3	4	4	Feet
331	Delamination/Spall	INTERMITTENT SPALLING, (UP TO EXPOSED REINFORCING THROUGH	,	WITH	3	20	20	Feet
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO THROUGHOUT	O 1/32IN X 2FT L.))	2	25		Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP EXPOSED AGGREGATE THROUG OF RAIL	,		2	1	1	Feet

Span 5		Deck						
Reinfor	ced 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	

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

3

100

100 Square Feet

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

General Comments

General Comments

Spa	n 5	Beam 1						
Rei	nforced Concrete	Girder						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	50	27	22	1	0 F	-eet
Elemen Numbe	Dofoct Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
110	Delamination/Spall	SPALL (18IN X 6IN X 3IN) NO EXPOS END LEFT SIDE	ED REINFORCI	NG, FAR	3	1	1	Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE FULL HT.) SPACED UP TO 2FT O.C.		JP TO	2	22		Feet
	General Comments							

Spa	n 5	Beam 2						
Reir	forced Concrete	Girder						
Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
		ced Concrete Open Girder/Beam	50	28	22	0	0	Feet
lemen lumbe	Dofoot Typo	Defect Descript	tion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE FULL HT.) SPACED UP TO 2FT O.C.			2	22	-	Feet
-	General Comments							

Spai	n 5	Beam 3						
Rein	forced Concrete	Girder						
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	50	27	22	1	0 Feet	
Element Number	Dofoct Typo	Defect Descript	tion		CS	CS Qty	Maint Qty	
110	Delamination/Spall	SPALL (8IN X 6IN X 5IN) WITH EXPO RIGHT SIDE NEAR END	SED REINFORC	CING,	3	1	1 Feet	
110 Cracking (RC and Other) INTERMITTENT VERTICAL HAIRLINE (FULL HT.) SPACED UP TO 2FT O.C. TI		, ,	IP TO	2	22	Feet		

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

Spa	n 5	Beam 4						
Rei	nforced Concrete	Girder						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	50	28	22	0	0 Feet	
Elemen Numbe	Dofoot Typo	Defect Descrip	tion		CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINI FULL HT.) SPACED UP TO 2FT O.C.		IP TO	2	22	Feet	
	General Comments							

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

Spa	n 5	Beam 5						
Reir	forced Concrete	Girder						
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinford	ced Concrete Open Girder/Beam	50	27	22	1	0	Feet
Elemen	Dofoot Typo	Defect Description	n		CS	CS Qty	Maint Qty	
110	Delamination/Spall	SPALL/DELAM (UP TO 1SF X 4IN D.) W REINFORCING, RIGHT SIDE NEAR EN)	3	1		1 Feet
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE (FULL HT.) SPACED UP TO 2FT O.C. TH		IP TO	2	22		Feet
<u>-</u>	General Comments							

Span 5 Asphalt	Wearing Sur	Wearing S	Surface					
Element Number 510	Wearin	Element Name g Surface	Total Qty 1,292	CS1 Qty 1,274	CS2 Qty	CS3 Qty 18	CS4 Qty 0 S	quare Feet
lement lumber	Defect Type	Defect Des	scription		cs	CS Qty	Maint Qty	
Surfa	ck (Wearing ace)	TRANSVERSE OPEN CRACKIN THROUGHOUT, MOSTLY AT BE		ULL W.)	3	18	18	Square Feet

Spa	an 5	Left Bridge F	Rail					
Co	ncrete Railing							
	ment mber Reinfor	Element Name ced Concrete Bridge Railing	Total Qty 50	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty 0 Feet	
Eleme Numbe	nt Defect Type	Defect Descrip	otion		cs	CS Qty	Maint Qty	
331	Delamination/Spall	SIDEWALK - SPALLING, (3FT X 2FT REINFORCING & LOOSE AGGREGA	,	XPOSED	3	3	3 Feet	
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO THROUGHOUT) 1/32IN X 2FT L.)		2	10	Feet	
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP T EXPOSED AGGREGATE THROUGH OF RAIL	,		2	37	37 Feet	
	General Comments							_

Spa	n 5	Right Bridge	Rail					
Con	crete Railing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	50	0	38	12	0 F	eet
Elemen Numbe	Dofoct Typo	Defect Descrip	otion		cs	CS Qty	Maint Qty	
331	Delamination/Spall	SIDEWALK - SPALLING, (UP TO 4F EXPOSED REINFORCING & LOOSE END.			3	4	4	Feet
331	Delamination/Spall	SIDEWALK - SPALLING, (UP TO 5F EXPOSED REINFORCING & LOOSE	,		3	8	8	Feet

Structure	Number: <u>000112</u>			Inspe	ection Date: <u>08/21/2019</u>
		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
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Spa	n 6	Beam 1						
Rei	nforced Concrete	Girder						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	50	28	22	0	0	Feet
Elemen Numbe	Dofoct Type	Defect Descrip	tion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINI FULL HT.) SPACED UP TO 2FT O.C.			2	22		Feet
•	General Comments							

6	Beam 2					
orced Concrete	Girder					
nt er	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
Reinfor	ced Concrete Open Girder/Beam	50	28	22	0	0 Feet
Defect Type	Defect Descript	ion		cs	CS Qty	Maint Qty
racking (RC and ther)			IP TO	2	22	Feet
	rced Concrete nt Reinfor Defect Type racking (RC and	rced Concrete Girder Int Element Name Reinforced Concrete Open Girder/Beam Defect Type Defect Descript racking (RC and INTERMITTENT VERTICAL HAIRLINE	rced Concrete Girder Int Element Name Qty Reinforced Concrete Open Girder/Beam 50 Defect Type Defect Description racking (RC and INTERMITTENT VERTICAL HAIRLINE CRACKING, (L.	rced Concrete Girder Int Element Name Qty Qty Reinforced Concrete Open Girder/Beam 50 28 Defect Type Defect Description racking (RC and INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO	rced Concrete Girder Int Element Name Qty Qty Qty Reinforced Concrete Open Girder/Beam 50 28 22 Defect Type Defect Description CS racking (RC and INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO 2	reced Concrete Girder Int Element Name Qty Qty Qty Qty Qty Qty Qty Reinforced Concrete Open Girder/Beam 50 28 22 0 Defect Type Defect Description CS CS Qty racking (RC and INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO 2 22)

General Comments

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

Spar	າ 6	Beam 3						
Rein	forced Concrete	Girder						
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	rced Concrete Open Girder/Beam	50	28	22	0	0 Feet	
Element Number	Defect Type	Defect Descript	tion		cs	CS Qty	Maint Qty	
	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE CRACKING, (UP TO FULL HT.) SPACED UP TO 2FT O.C. THROUGHOUT		2	22	Feet	eet	
	Seneral Comments							

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

Spa	n 6	Beam 4						
Rei	nforced Concrete	Girder						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	50	28	22	0	0 Feet	
lemen lumbe	Defect Type	Defect Descript	ion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE FULL HT.) SPACED UP TO 2FT O.C.		IP TO	2	22	Feet	
-	General Comments							_

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

Spa	ın 6	Beam 5						
Rei	nforced Concrete	Girder						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	50	28	22	0	0 Feet	
lemer	Dofoot Typo	Defect Descript	tion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	INTERMITTENT VERTICAL HAIRLINE FULL HT.) SPACED UP TO 2FT O.C.		IP TO	2	22	Fee	t
	Canaral Cammanta							

Spa	an 6	Wearing S	Surface					
Ası	ohalt Wearing Sur	face						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearin	g Surface	1,292	1,268	0	24	0 5	Square Feet
Eleme	Defect Type	Defect Des	scription		cs	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE OPEN CRACKIN THROUGHOUT, MOSTLY AT BE		ULL W.)	3	24	24	Square Feet
	General Comments							

Spa	n 6	Left Bridge	Rail					
Con	crete Railing							
	ment nber Reinfor	Element Name rced Concrete Bridge Railing	Total Qty 50	CS1 Qty 0	CS2 Qty 50	CS3 Qty 0	CS4 Qty 0 Feet	
Elemen Numbe	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP TO THROUGHOUT	O 1/32IN X 2FT L.)		2	8	Feet	
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP TEXPOSED AGGREGATE THROUGH OF RAIL		& TOP	2	42	42 Feet	

Spa		Right Bridge	e Rail					
Con	crete Railing							
Elen Nun		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinfor	ced Concrete Bridge Railing	50	0	50	0	0 F	eet
Elemen Numbe	Dofoct Typo	Defect Descri	iption		cs	CS Qty	Maint Qty	
331	Cracking (RC and Other)	INTERMITTENT CRACKING, (UP T THROUGHOUT	O 1/32IN X 2FT L.)		2	12		Feet
331	Delamination/Spall	WEAR/SHALLOW SPALLING, (UP - EXPOSED AGGREGATE THROUG OF RAIL		к ТОР	2	38	38	Feet

General Comments

En	d Bent 1	Cap 1						
Rei	inforced Concrete	Pier Cap						
	ement Imber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	45	29	10	6	0	Feet
Eleme Numb	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
234	Cracking (RC and Other)	LONGITUDINAL OPEN CRACK, (1/8 BEAM 2	BIN X 5FT L.) UND	ER	3	5	5	5 Feet
234	Delamination/Spall	DELAM (1FT X 6IN) TO LEFT END I	PILE CAP AT LEFT	SIDE	3	1	1	Feet
234	Cracking (RC and Other)	INTERMITTENT LONGITUDINAL HA CRACK, (UP TO 5FT L.) THROUGH		I	2	10		Feet
	General Comments							

Bent	:1	Cap 1						
Rein	forced Concrete	Pier Cap						
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	37	4	0	24	9 F	eet
Element Number	Dofoot Typo	Defect Desc	ription		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, FA	DELAM (6SF) UNDER BEAM 3, FAR FACE			6	6	Feet
234	Delamination/Spall	SPALL (6IN X 1IN) WITH EXPOSE BEAM 4, FAR FACE	ED REINFORCING, L	JNDER	3	1	1	Feet
	Cracking (RC and Other)	HORIZONTAL 1/32IN CRACK, (4F STAINING, ABOVE COLUMN 1, N	,	& RUST	3	4	4	Feet
234	Delamination/Spall	DELAM (30IN X 7IN) BOTTOM ED FACE	GE UNDER BAY 2,	FAR	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 EXUNDER BEAM 1	XPOSED REINFORG	CING,	3	1	1	Feet
234	Patched Area	PARTIALLY DELAMINATED PATO NEAR FACE	CH, (1SF) AT LEFT E	ND,	3	4	4	Feet

Ben	t 1	Pile 1					
Reir	nforced Concrete	Column					
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinford	ced Concrete Column	1	0	0	1	0 Each
lemen lumbe	Dofoct Typo	Defect Descr	ription		cs	CS Qty	Maint Qty
205	Delamination/Spall	DELAM (12SF) NEAR RIGHT COR OF COLUMN	NER, STARTING A	T TOP	3	1	1 Each
205	Delamination/Spall	DELAM (6FT X 8IN) FAR LEFT CO FROM BOTTOM OF CAP	DRNER, STARTING	2FT	3		1 Each
205	Abrasion/Wear (PSC/RC)	WATER SCALING, (UP TO 2FT H.) AT WATERLINE	THROUGHOUT CO	OLUMN	2		Each
205	Patched Area	SOUND PATCH (6FT X 2FT) NEAF FROM BOTTOM OF CAP	R LEFT CORNER, 3	FT	2		Each

General Comments

Bei	nt 1	Pile 2						
Rei	nforced Concrete	Column						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	0	1 E	ach
Eleme	Dofoct Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
205	Delamination/Spall	SPALL/DELAM (7FT X 1FT X 4IN) REINFORCING, NEAR LEFT COR COLUMN. (PAR)		TOP OF	4	1	1	Each
205	Delamination/Spall	(X2) DELAM (UP TO 7FT X 1FT) F CORNERS, STARTING AT BOTTO			3		1	Each
205	Delamination/Spall	DELAM (6FT X 1FT) NEAR RIGHT RIGHT GUSSET	CORNER & (3SF)	AT	3		4	Each
205	Abrasion/Wear (PSC/RC)	WATER SCALING, (UP TO 2FT H. AT WATERLINE) THROUGHOUT C	OLUMN	2			Each

End	d Bent 2	Cap 1						
Rei	nforced Concrete	Pier Cap						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	45	32	13	0	0 Feet	
Eleme	Defect Type	Defect Desc	cription		cs	CS Qty	Maint Qty	
234	Cracking (RC and Other)	INTERMITTENT LONGITUDINAL CRACK, (UP TO 5FT L.) THROUG		1	2	8	Feet	
234	234 Cracking (RC and INTERMITTENT VERTICAL Other) L.) THROUGHOUT		LINE CRACKS, (UP	TO 10IN	2	5	Feet	
	General Comments							

Kein	forced Concrete	Pier Cap					
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinfor	ced Concrete Pier Cap	37	25	0	5	7 Feet
lement lumber	Dofoot Typo	Defect Desc	ription		cs	CS Qty	Maint Qty
234	Delamination/Spall	SPALL/DELAM (UP TO 7FT X 2FT REINFORCING, NEAR FACE. (PA	,	SED	4	7	7 Feet
234	Delamination/Spall	DELAM (5SF) UNDER BAY 3, NEA	AR FACE		3	5	5 Feet

Bent 2 Pile 1 **Reinforced Concrete Column Element Total** CS1 CS2 CS3 CS4 **Element Name** Number Qty Qty Qty Qty Qty 205 Reinforced Concrete Column 1 Each 0 0 0 Element Maint cs **Defect Description** CS Qty **Defect Type** Number Qty RIGHT SIDE - SPALL/DELAM (UP TO 25FT L. X 3FT W. X 6IN 205 Delamination/Spall 4 1 Each D.) WITH EXPOSED REINFORCING. (PAR) DELAM/SPALL (8FT X 8IN X 3IN) WITH EXPOSED REINFORCING, STARTING 3FT FROM CAP, FAR LEFT 205 Delamination/Spall 3 1 Each

CORNER

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

General Comments

Bent 2	Pile 2	2					
Reinforced Cor	ncrete Column						
Element Number 205	Element Name Reinforced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty 0	CS4 Qty 1 E	ach
Element Defect T	Гуре Defe	ct Description		cs	CS Qty	Maint Qty	
205 Delamination/	•	FT X 4IN) WITH EXPOSED GHT CORNER, STARTING		4	1	1	Each
205 Delamination/		1FT W. X 6IN D.) WITH EX HT CORNER STARTING A		4		1	Each
205 Delamination/	Spall DELAM (6FT X 1FT) FAR	LEFT CORNER STARTING	AT CAP	3		1	Each
205 Abrasion/Wea	ar WATER SCALING, (UP TO AT WATERLINE	2FT H.) THROUGHOUT (COLUMN	2			Each

Ber	nt 3	Cap 1						
Rei	nforced Concrete	Pier Cap						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	37	18	2	17	0 Feet	
Elemei Numbe	Defect Tyme	Defect Descri	iption		cs	CS Qty	Maint Qty	
234	Delamination/Spall	DELAM (5FT X 8IN), FAR FACE BA	Y 4		3	5	5 Feet	
234	Delamination/Spall	SPALL (18IN X 10IN X 2IN) WITH E DELAM (2SF) TO GUSSET UNDER		RCING &	3	2	2 Feet	
234	Delamination/Spall	SPALL (2FT X 6IN X 4IN) WITH BEAX FULL W.) UNDER BEAM 2. REMASOUND. (PAR)			3	2	2 Feet	
234	Delamination/Spall	(X2) DELAM (UP TO 3SF) UNDER I	BEAM 3, NEAR FAG	CE	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, F	FAR FACE		2	2	2 Feet	
	General Comments							_

DELAM CONSOLIDATED

Ber	nt 3	Pile 1						
Rei	nforced Concrete	Column						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinford	ced Concrete Column	1	0	0	1	0 Each	
Elemer Numbe	Dofoot Typo	Defect Descri	otion		cs	CS Qty	Maint Qty	
205	Delamination/Spall	DELAM (5FT X 8IN) FAR RIGHT CO FROM CAP	RNER STARTING	5FT	3	1	1 Each	
205	Delamination/Spall	DELAM (2.5FT X 6IN) NEAR LEFT C FROM CAP	ORNER, STARTIN	NG 2FT	3		Each	
205	Delamination/Spall	DELAM (3FT X 6IN) FAR LEFT COR FROM CAP	NER STARTING 4	FT	3		1 Each	

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

General Comments

Bei	nt 3	Pile 2										
Rei	Reinforced Concrete Column											
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty					
205	Reinford	ced Concrete Column	1	0	0	0	1 Each					
Eleme Numbe	Dofoot Typo	Defect Descript	ion		cs	CS Qty	Maint Qty					
205	Delamination/Spall	(X2) SPALL/DELAM (UP TO 18FT L. X EXPOSED REINFORCING, NEAR FAI CORNERS. (PAR)			4	1	1 Each					
205	Delamination/Spall	(X2) DELAM (UP TO 7FT X 8IN) FAR I CORNERS, STARTING AT CAP	LEFT & FAR RIG	HT	3		1 Each					
205	Abrasion/Wear (PSC/RC)	WATER SCALING, (UP TO 2FT H.) TH AT WATERLINE	HROUGHOUT CO	OLUMN	2		Each					
	General Comments											

DELAM CONSOLIDATED

Ben	it 4	Cap 1						
Rei	nforced Concrete	Pier Cap						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinford	ced Concrete Pier Cap	37	0	0	37	0 F	eet
Elemen Numbe	Dofoot Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
234	Delamination/Spall	DELAM (1SF) ABOVE COLUMN 2, NE	AR FACE		3	1	1	Feet
234	Delamination/Spall	DELAM (5FT X 8IN) BAY 1, NEAR FA	CE		3	1	5	Feet
234	Delamination/Spall	DELAM (UP TO 10SF) BETWEEN BEA	AMS 2 & 3, NEAF	R FACE	3	10	10	Feet
234	Delamination/Spall	INTERMITTENT SPALLING/DELAM, (WITH EXPOSED REINFORCING, BE			3	6	6	Feet
234	Delamination/Spall	DELAM (1SF) UNDER BEAM 4, NEAF	RFACE		3	1	1	Feet
234	Delamination/Spall	DELAM (3SF) TO GUSSET UNDER B	EAM 1, NEAR FA	ACE	3	3	3	Feet
234	Delamination/Spall	DELAM (4FT X FULL W.) TO GUSSET FACE	UNDER BEAM	2, FAR	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 E REINFORCING, UNDER BEAM 3 TO		FACE	3	4	4	Feet
234	Delamination/Spall	SPALL (2FT X 8IN X 4IN) WITH EXPO UNDER BEAM 4, FAR FACE	SED REINFORC	ING,	3	2	12	Feet
•	General Comments							

Ben	t 4	Pile 1							
Rei	nforced Concrete	Column							
	ment nber Reinfore	Element Name ced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 1 E	≣ach	
Elemen Numbe	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty		
205	Delamination/Spall	SPALL/DELAM (13FT L. X FULL W. REINFORCING, NEAR FACE. (PAR	,	KPOSED	4	1	1	Each	
205	Delamination/Spall	SPALLING/DELAM (10FT L. X 1FT V EXPOSED REINFORCING, FAR & N (PAR)		NER.	4		1	Each	

Structure	Inspection Date: <u>08/21/2019</u>			
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

Rei	nforced Concrete	Column					
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty 1 Each
Element Number Defect Type			Defect Description		cs	CS Qty	Maint Qty
205	Delamination/Spall	SPALL/DELAM (12FT L. X 1FT W. REINFORCING, FAR LEFT CORN		POSED	4		Each
205	Delamination/Spall	SPALL/DELAM (13FT L. X 1FT W. REINFORCING, NEAR LEFT COR	,	POSED	4	1	1 Each
205	Patched Area	PARTIALLY DELAMINATED PATO RIGHT CORNER	CH, (2SF) AT TOP, F	AR	3		2 Each
205	Abrasion/Wear (PSC/RC)	WATER SCALING, (UP TO 2FT H. AT WATERLINE) THROUGHOUT C	OLUMN	2		Each

Ben	nt 5	Cap 1						
Rei	nforced Concrete	Pier Cap						
Element Number		Element Name		Total CS1 Qty Qty	CS2 Qty		CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	37	9	0	28	0 F	eet
Elemen Numbe	Dofoct Typo	Defect Desc	cription		CS	CS Qty	Maint Qty	
234	Delamination/Spall	DELAM (2SF) & SPALLING (UP T EXPOSED REINFORCING TO GUNEAR FACE			3	3	3	Feet
234	Delamination/Spall		DELAM/SPALLING, (UP TO 3SF X 2IN D.) REINFORCING, BETWEEN BEAMS 2 & 3		3	20	20	Feet
234	4 Delamination/Spall DELAM (5FT X 1FT) BAY 1, NEAR FACE		3	5	5	Feet		

Ben	t 5	Pile 1						
Reir	forced Concrete	Column						
Elen Num 205	nber	Element Name ced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty	CS4 Qty 0 E	Each
Elemen Number	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
205	Delamination/Spall	DELAM (10FT X 1FT) FAR LEFT CO	RNER		3		1	Each
205	Delamination/Spall	DELAM (10FT X 1FT) TO NEAR RIG	HT CORNER		3	1	1	Each
205	Patched Area	DELAMINATED PATCH (8FT X 16IN) FAR RIGHT CORNER		RNER	3		1	Each
205	Patched Area	PRATIALLY DELAMINATED PATCH LEFT CORNER	I, (1SF) AT TOP T	O NEAR	3		1	Each

Bent 5		Pile 2						
Reir	nforced Concrete	Column						
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	1	0	Each
lemen lumbe	Dofoct Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
205	Delamination/Spall	DELAM (10FT X 16IN) FAR LEFT BOTTOM OF CAP	CORNER STARTING	G AT	3		1	1 Each
205	Delamination/Spall	DELAM (10FT X 1FT) NEAR LEFT TOP OF COLUMN	CORNER STARTIN	IG AT	3	1	1	1 Each
205	Patched Area	DELAMINATED PATCH (10FT X 16IN) FAR RIGHT CORNER		ORNER	3			Each
205	Delamination/Spall	DELAM (8FT X 1FT) RIGHT FACE COLUMN	STARTING AT TOP	OF	3		1	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	Р	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

ltem	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Υ
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 I	REINFO	RCING THE	ROUGHOUT BENTS		
tem	Priority Maintenance Issued	Grade	Υ	Maint Code	Qty.	0
Details	SPALLING THROUGHOUT BENTS, SIDEWALKS, SPAN	N 4 BEA	M 5 & DRIF	T UNDER SPAN 4.		
tem	Presently Posted	Grade	Υ	Maint Code	Qty.	0
Details	SV:31 TTST:35					
tem	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					
tem	Drift	Grade	Р	Maint Code 3366	Qty.	80
Details	DRIFT, (100FT L. X 50FT W. X 15FT D.) UPSTREAM SI	DE SPAI	N 4. (PAR)			
tem	Wingwalls	Grade	F	Maint Code 3350	Qty.	5
Details	FAR LEFT WINGWALL - SPALL (7IN X 4IN X 3/4IN) NO FAR RIGHT WINGWALL - SPALLING, (UP TO 2FT X 8IN NEAR RIGHT WINGWALL - SPALL (10IN X 6IN X 1IN) N NEAR LEFT WINGWALL - SPALLING, (UP TO 6IN X 4IN	N X 2IN) NO EXPO	NO EXPOS SED REIN	SED REINFORCING, N IFORCING, NEAR COR	EAR CO	
tem	General Comments and Misc Items	Grade	F	Maint Code	Qty.	0
Details	FAR LEFT GUARDRAIL - MODERATE DAMAGE (30FT) NEAR RIGHT GUARDRAIL POST - POST NOT ATTACH				OST 3	& 5 SIMILA



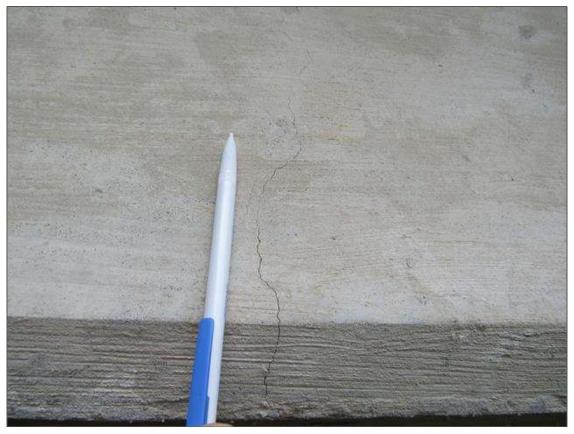
FAR LEFT GUARDRAIL - MODERATE DAMAGE (30FT), STARTING 50 FT FROM BRIDGE



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)



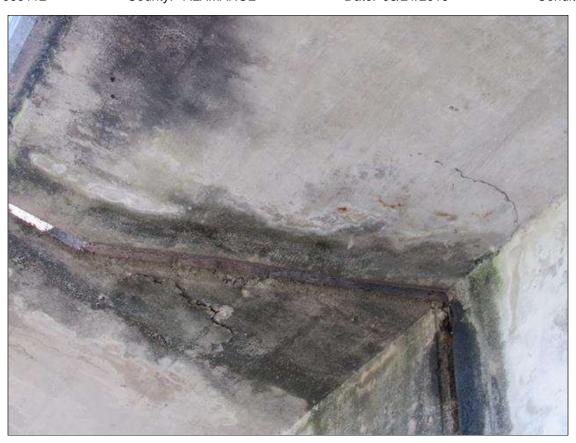
BENT 2 COLUMN 2 - DELAM (6FT X 1FT) FAR LEFT CORNER STARTING AT CAP



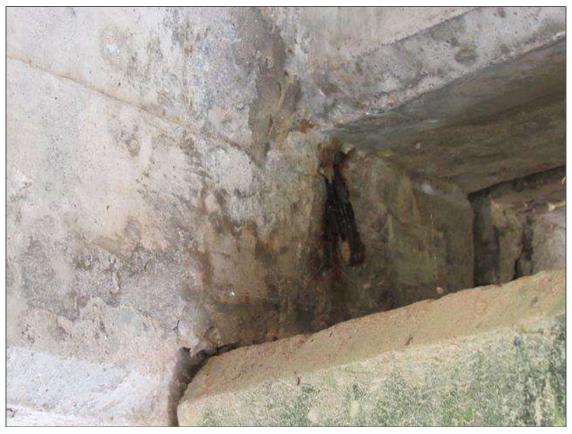
BENT 2 COLUMN 1 - DELAM/SPALL (8FT X 8IN X 3IN) WITH EXPOSED REINFORCING, STARTING 3FT FROM CAP, FAR LEFT CORNER



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



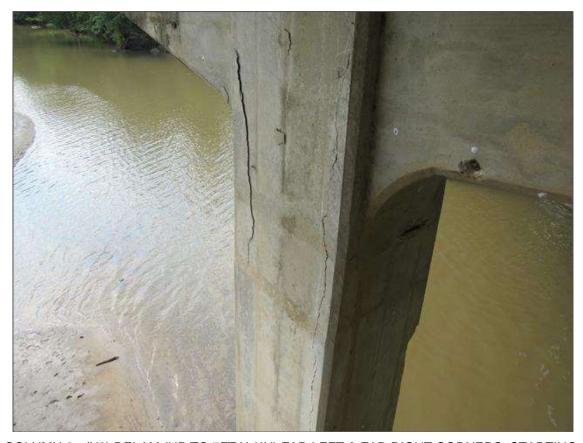
BENT 3 CAP, FAR FACE - SPALL (2FT X 6IN X 4IN) WITH BEARING LOSS, (UP TO 1.5IN X FULL W.) UNDER BEAN 2. REMAINING CONCRETE IS SOUND. (PAR PHOTO)



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



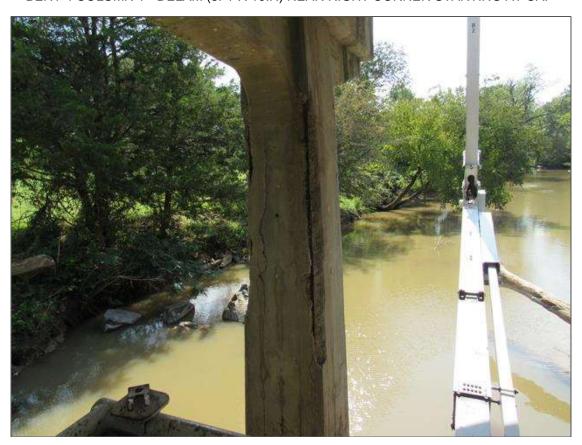
SPAN 4 BEAM 4 - SPALL (1FT X 8IN X 1.5IN) WITH EXPOSED REINFORCING TO BOTTOM AT FAR END



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



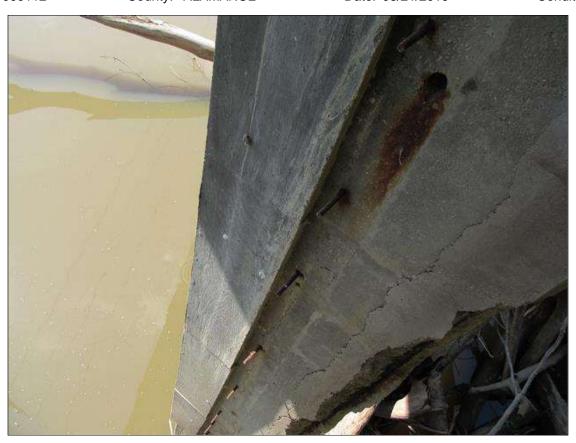
BENT 4 CAP, NEAR FACE - DELAM (3SF) TO GUSSET UNDER BEAM 1



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



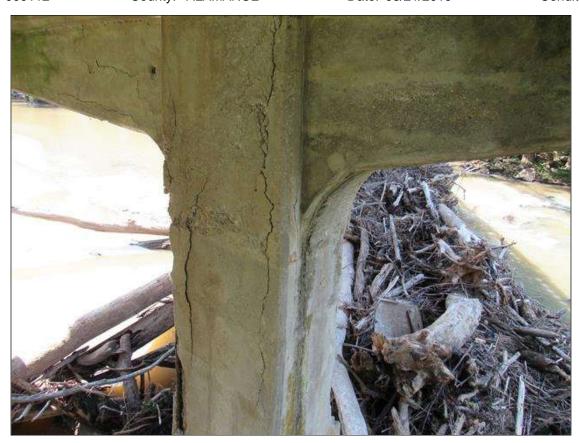
BENT 4 CAP, FAR FACE - DELAM (4FT X FULL W.) TO GUSSET UNDER BEAM 2



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

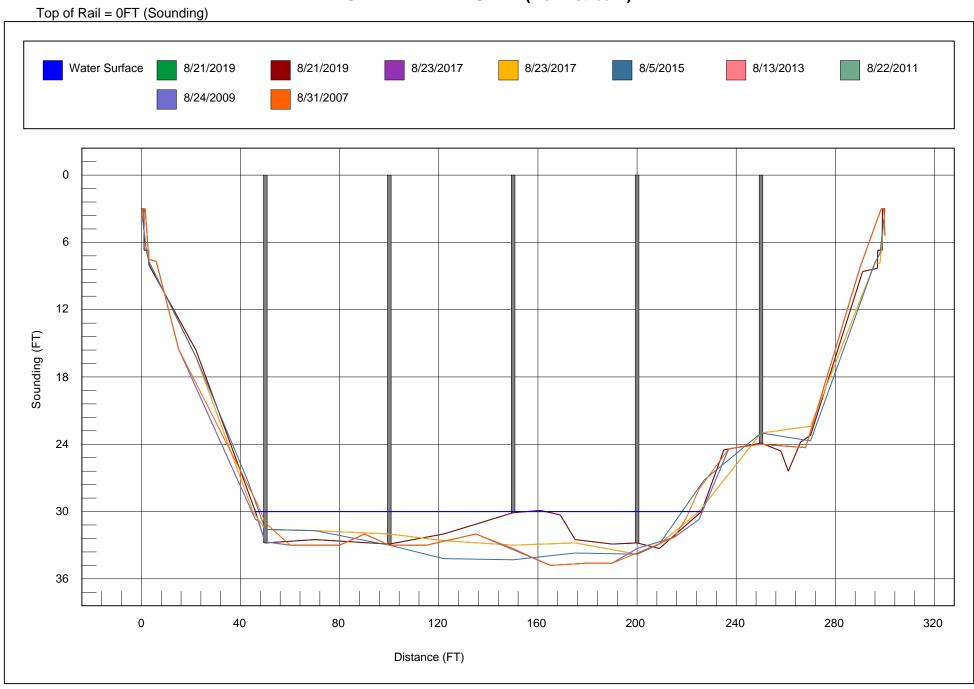
Sounding recorded from: Top of Bridge Rail

Highwater Mark Distance Location of Highwater Mark

Distance	Downstream Sounding ft.	Upstream Sounding ft.	Decarintian
(Station) ft. 0.000	3.000	0.000	Description FILL FACE
1.000	3.000	0.000	THE THOE
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	FACE OF CAP
			MOME
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

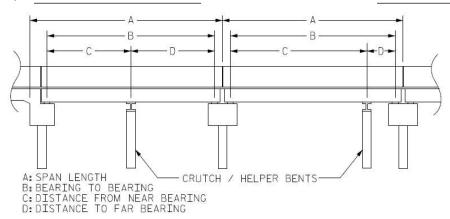
STREAMBED PROFILE (Downstream)



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



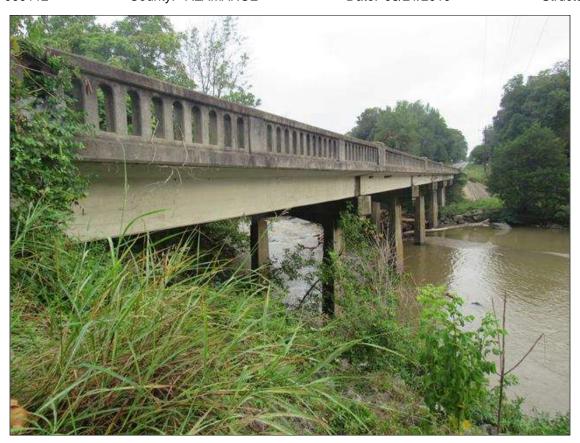
LOOKING STATIONS BACK, SOUTH



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



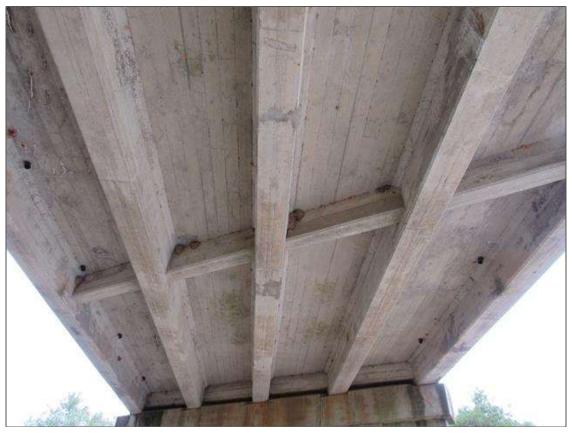
BENT 1, FAR FACE



BENT 2, NEAR FACE



BENT 3, NEAR FACE



TYPICAL SUPERSTRUCTURE, SPAN 3 LOOKING AHEAD

Structure: 000112 County: ALAMANCE Date: 08/21/2019 Structure Photos



BENT 4, NEAR FACE



BENT 5, NEAR FACE



END BENT 2



TYPICAL WINGWALL, FAR LEFT

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



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)	

Bridge: 000112 County ALAMANCE

MMS Code	MN	/IS Descrip	otion		Quantity		
3306	Mair	ntain Cond	crete Superstructure Components		0	SF	
Location:	Location:						
	Bent/Span No.						
Priority Level			Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
08/22/2019		ADAM F	FELMLEE				
Details							
Span 4 Beam 5: SPALL (5FT X FULL W. X 5IN D.) WITH EXPOSED & CORRODED REINFORCING, BOTTOM C BEAM AT MID-SPAN. (PAR)					OF		

MMS Code	MN	MMS Description				
3306	Mai	Maintain Concrete Superstructure Components				SF
Location:						
			Bent/Span No.			
Priority Leve	el		Status			
			Request Awaiting Assignment			
Submitted D	ate:	Submitte	d By:	Assisted By:		
08/23/2019		ADAM F	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)						12IN

Bridge: 000112 County ALAMANCE

MMS Description

MMS Code

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

Quantity

3318	Mair	nt to Conc	rete Handrail		0	LF	
Location:							
			Bent/Span No.				
Priority Leve	əl		Status				
			Request Awaiting Assignment				
Submitted Date: Submit			d By:	Assisted By:			
08/22/2019		ADAM F	FELMLEE				
Details							
			GGREGATE, NEAR END. (PAR)	IG, (UP TO 5FT X 4FT X 4IN D.) WIT			
MMC Code	N 4 N	AC Decerio	Aliona		Ougatitus		
MMS Code		MS Descrip			Quantity		
3318	IVIaii	nt to Conc	rete Handrail		0	LF	
Location:							
			Bent/Span No.				
Priority Leve	Priority Level		Status				
			Status				
	ƏI		Status Request Awaiting Assignment				
Submitted D		Submitte	Request Awaiting Assignment	Assisted By:			
Submitted E 08/22/2019			Request Awaiting Assignment	Assisted By:			
			Request Awaiting Assignment	Assisted By:			

Bridge: 000112 County ALAMANCE

MMS Description

MMS Code

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

Quantity

3318	Mai	nt to Conc	rete Handrail		0	LF
Location:						
			Bent/Span No.			
Priority Leve	el		Status			
			Request Awaiting Assignment			
Submitted D	Date:	Submitte	d By:	Assisted By:		
08/22/2019		ADAM F	FELMLEE			
Details						
			AGGREGATE, NEAR END. (PAR)	IG, (UP TO 5FT X 4FT X 3IN) WITH		
MMS Code	MI	MS Descrip	otion		Quantity	
3318		•	rete Handrail		0	LF
Location:						
			Bent/Span No.			
Priority Leve	el		Status			
			Request Awaiting Assignment			
Submitted D	Date:	Submitte	d By:	Assisted By:		
08/22/2019		ADAM F	FELMLEE			
Details						
			IGHT SIDE - SPALLING, (UP TO 4 R END. (PAR)	FT X 4FT X 4IN) WITH EXPOSED R	EINFORCIN	NG &

Bridge: 000112 County ALAMANCE

MMS Code	MN	/IS Descrip	otion		Quantity		
3348	Mai	ntain Concrete Substructure Components			0	LF	
Location:	Location:						
	Bent/Span No.						
Priority Level			Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
08/22/2019		ADAM F	FELMLEE				
Details							
Bent 1 Cap (PAR)	1: UNI	DERSIDE	- SPALL/DELAM (9FT X 2FT X 5IN	N) WITH EXPOSED REINFORCING,	UNDER BE	AM 3.	

MMS Code	MN	MMS Description					
3348	Mai	ntain Cond	0	LF			
Location:							
			Bent/Span No.				
Priority Leve	el		Status				
			Request Awaiting Assignment	lequest Awaiting Assignment			
Submitted D	ate:	Submitte	d By:	Assisted By:			
08/22/2019		ADAM F	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: 000112 County ALAMANCE

MMS Code	MM	IS Descrip	otion		Quantity		
3348	Main	ntain Cond	crete Substructure Components		7	LF	
Location:	Location:						
			Bent/Span No.				
Priority Level			Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
08/23/2019		ADAM F	FELMLEE				
Details							
Bent 2 Cap	1: SPA	LL/DELAI	M (UP TO 7FT X 2FT X 5IN) WITH	EXPOSED REINFORCING, NEAR I	FACE. (PAR)	

MMS Code	MN	MMS Description					
3348	Mai	ntain Cond	crete Substructure Components		0	LF	
Location:							
			Bent/Span No.				
Priority Leve	el		Status				
			Request Awaiting Assignment	Request Awaiting Assignment			
Submitted D	ate:	Submitte	d By:	Assisted By:			
08/22/2019		ADAM F	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: 000112 County ALAMANCE

MMS Code	MM	MMS Description					
3348	Mair	aintain Concrete Substructure Components				LF	
Location:	Location:						
			Bent/Span No.				
Priority Level			Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
08/22/2019		ADAM F	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	MN	MS Description				
3348	Mai	ntain Cond	crete Substructure Components		0	LF
Location:						
			Bent/Span No.			
Priority Level			Status			
			Request Awaiting Assignment			
Submitted D	ate:	Submitte	ed By:	Assisted By:		
08/22/2019		ADAM I	FELMLEE			
Details						
Bent 2 Pile 2 STARTING			M (15FT L. X 1FT W. X 6IN D.) WI	TH EXPOSED REINFORCING, FAR	RIGHT COF	RNER

Bridge: 000112 County ALAMANCE

MMS Code	MN	//S Descrip	otion		Quantity		
3348	Maii	ntain Cond	crete Substructure Components		0	LF	
Location:							
			Bent/Span No.				
Priority Leve	ŀ		Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
08/22/2019		ADAM F	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	MN	/IS Descrip	escription Quantity			
3348	Mai	ntain Cond	crete Substructure Components		0	LF
Location:						
			Bent/Span No.			
Priority Leve	el		Status			
Request Awaiting Assignment						
Submitted D	ate:	Submitte	d By:	Assisted By:		
08/22/2019		ADAM F	FELMLEE			
Details						
			ELAM (UP TO 18FT L. X 1FT W. X NERS. (PAR)	(5IN D.) WITH EXPOSED REINFOR	RCING, NEA	R

Bridge: 000112 County ALAMANCE

MMS Code	MN	MMS Description				Quantity	
3348	Mair	ntain Cond	crete Substructure Components		0	LF	
Location:							
			Bent/Span No.				
Priority Leve	el		Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
08/22/2019		ADAM F	FELMLEE				
Details							
Bent 4 Pile 1	Bent 4 Pile 1: SPALL/DELAM (13FT L. X FULL W. X 6IN D.) WITH EXPOSED REINFORCING, NEAR FACE. (PAR)						

MMS Code	MN	//S Descrip	S Description			
3348	Mai	ntain Cond	crete Substructure Components		0	LF
Location:						
			Bent/Span No.			
Priority Leve	el		Status			
			Request Awaiting Assignment			
Submitted D	ate:	Submitte	d By:	Assisted By:		
08/22/2019		ADAM F	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: 000112 County ALAMANCE

MMS Code	MN	MMS Description			Quantity		
3348	Mair	ntain Cond	crete Substructure Components		0	LF	
Location:							
			Bent/Span No.				
Priority Leve	el		Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
08/22/2019		ADAM F	FELMLEE				
Details							
Bent 4 Pile 2 (PAR)	Bent 4 Pile 2: SPALL/DELAM (13FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, NEAR LEFT CORNER.						

MMS Code	MN	//S Descrip	otion	Quantity		
3348	Mai	ntain Cond	crete Substructure Components		0	LF
Location:						
			Bent/Span No.			
Priority Leve	·I		Status			
			Request Awaiting Assignment			
Submitted D	ate:	Submitte	d By:	Assisted By:		
08/22/2019		ADAM F	FELMLEE			
Details						
Bent 4 Pile 2: SPALL/DELAM (12FT L. X 1FT W. X 5IN D.) WITH EXPOSED REINFORCING, FAR LEFT CORNER. (PAR)						

Bridge: 000112 County ALAMANCE

MMS Code	MN	MMS Description			Quantity	
3366	Drift	t and Debr	is Removal		0	HR
Location:						
			Bent/Span No.			
Priority Leve	el		Status			
			Request Awaiting Assignment			
Submitted D	ate:	Submitte	d By:	Assisted By:		
08/23/2019		ADAM F	FELMLEE			
Details						
DRIFT, (100FT L. X 50FT W. X 15FT D.) UPSTREAM SIDE SPAN 4. (PAR)						



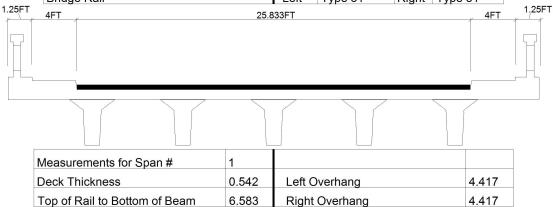
Roadway	22ft Wide	2 Paved Lanes	Looking North
Left Shoulder	7ft Wide	2ft Paved	5ft Unpaved
Right Shoulder	5ft Wide		5ft Unpaved
Left Guardrail	7ft from road		
Right Guardrail	5ft from road		

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: \$0058000792		

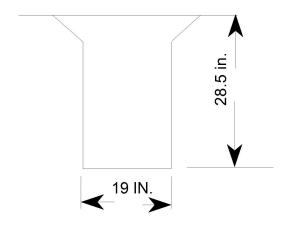
Bridge Inspection Field Sketch Ν END BT 2 BT. 5 3 3 **BT. 4** FLOW -> 5 BT. 3 5 BT. 2 5 BT. 1 END BT 1 WS: 27.9' @ BT. 1 E.SIDE BOTTOM COMP: RIVER SAND, SILT, BEDROCK & COBBLE BOTTOM PROBE: 0 **Title** Description **PLAN VIEW** RC POST & BEAM Bridge No: 000112 Drawn By: JCB Date: 2/12/2008 File Name: S0162000160





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		Descri	ption	
SUPERSTRUCTURE		ALL SP	ANS	
Bridge No: 000112	Drawn By: MYW		Date: 08/24/09	File Name: \$0058000793

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: 000112 Drawn By: JCB	Date: 2/12/2008 File Name: \$0162000161				

Cap Information				Material Cast-in-Place Concrete							
Lengt	th	Width	Height	Left Over	hang I	Right Overha	ng Left B	eft Beam to End of Cap.		Right Beam to End of Ca	
36.500	ft.	3.000 ft.	2.917 ft.	7.000	ft.	7.000 ft.	2.	2.500 ft.		2.500 ft.	
Subca	p In	formation		Material	·		'				
Length		Width	Height	Left Over	hang I	Right Overha	ng Left P	ile to Splic	ce.		
Sill Info	orm	ation		Material							
Lengt	th	Width	Height								
Pile#	Ma	aterial	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replaceme	ent? Removed?	Collar
1	Co	oncrete	22.500 ft.	3.000 ft.	2.9167 ft			No	No	No	No
2	Co	oncrete		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

TitleDescriptionPIER DATAPIER DATA

Bridge No: 000112 Drawn By: MYW Date: 8/24/2009 File Name: \$0058003045