

COUNTY: SURRY

DIVISION: 11

ATTENTION: Priority Action Requested

Snooper Recommended next Inspection

FREQUENCY:

24 MONTHS

# Structure Safety Report

## Routine Element Inspection - Contract

STRUCTURE NUMBER: 850126

INSPECTION DATE: 07/02/2019

FACILITY CARRIED: US52	SBL		MILE POST:	135.1	
LOCATION: 1.5 MI.N.JCT.N	C268				
FEATURE INTERSECTED: T	OMS CREEK				
LATITUDE: 36° 23' 50.02"	LONGITUDE:	80° 29' 31.34"			
SUPERSTRUCTURE: REIN	FORCED CONCRETE FLOOR ON PE	PC GIRDERS			
SUBSTRUCTURE: E.BTS:RC	C CAPS/H-PILES;INT.BTS:RC POST&	BEAM			
SPANS: 3 SPANS. SEE S	SPAN PROFILE SHEET FOR SPAN DI	ETAILS			
FRACTURE CRITICAL	TEMPORARY SHORING	SCOUR CRITICAL	SCOUR	PLAN OF ACTION	
NBI GRADES: DECK	SUPERSTRUCTURE 4	SUBSTRUCTURE 4	CULVER	RT N	
POSTED SV: Not Posted		POSTED TTST: Not Pos	sted		
			Sign notice issued for	WEIGHT LIMIT	Number Required
			NO	DELINEATORS	0
	The shall be a second	<b>有数数数</b>	NO	NARROW BRIDGE	0
			NO	ONE LANE BRIDGE	
			<u>NO</u>	LOW CLEARANCE	0
1				CTION OF PECTION S-N	
locking north				ECTION HES PLANS NO	PLANS
looking north  INSPECTED BY	SIGNATURE	1 11 6 4	ASSISTED B	V Josep Zimmermen	
Kyle H. Compton	SIGNATURE	a H. Compton	ASSISTED B	Y Jacob Zimmerman	

STATUS =   STRUCTURE OF PROPERTY   191000000   1910000000   1910000000   1910000000   19100000000   19100000000   1910000000000	— IDENTIFICATION —	. =					2.20,201
			850126				9.38000
2,5 STAPE HIGHWAY DEPARTMENT DISTRICT   11 (4) PLACE CODE   0,0000   (104) HIGHWAY SYSTEM   Inventory Route is on NHS   1,000   (104) HIGHWAY	· · · · · · · · · · · · · · · · · · ·			STATUS =		Structurally	Deficien
SI COUNTY CODE   FEDERAL)	,	121			CLASSIFICATION	(	CODE
(4) FEATURE INTERSECTED				(112) NBIS BRIDGE SYSTEM			YE
CP   FAULTY CARRIED   US82 SBL   C20 FUNCTIONAL CLASS   Rural Principal Arrenia* Order   C110) SIRSH MIRE TRIORING   T100) STRANET HIGHWAY NETWORK   T100) STRANET HIGHWAY NETWORK HIGHWAY N			00000	(104) HIGHWAY SYSTEM	Inventory Ro	ute is on NHS	
15   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges   100   PARALLEL STRUCTURE   The left structure of parallel bridges	• •			(26) FUNCTIONAL CLASS	Rural Principal A	Arterial - Other	0
103   SER-INCHINOTY NOUTE & SUBBOUNDE   20056   103   TEMPORARY STRUCTURE   103   TE	(9) LOCATION 1.5 MI.N.JCT.NC268			(100) STRAHNET HIGHWAY	Interstate STR	AHNET Route	
(10) JERNORENTORY ROUTE & SUBBROUTE   1000	(11) MILEPOINT		135.1	(101) PARALLEL STRUCTURE	The left structure of pa	arallel bridges	
(198) BORDER BRIDGE STRUCTURE NUMBER  STRUCTURE TYPE AND MATERIAL  STRUCTURE TYPE AND MATERIAL  STRUCTURE TYPE AND MATERIAL  (49) STRUCTURE TYPE AND MATERIAL  TYPE  CODE  STRUCTURE TYPE AND MATERIAL  (49) STRUCTURE TYPE AND MATERIAL  TYPE  CODE  SOBRER BRIDGE STRUCTURE  STRUCTURE TYPE AND MATERIAL  (49) STRUCTURE TYPE AND MATERIAL  TYPE  CODE  SOBRER BRIDGE STRUCTURE  STRUCTURE TYPE AND MATERIAL  (49) STRUCTURE TYPE AND MATERIAL  TYPE  CODE  SOBRER BRIDGE STRUCTURE  (40) STRUCTURE TYPE AND MATERIAL  (40) SUMBER OF SPANS IN MAN UNIT  (40) NUMBER OF SPANS IN MAN UNIT  (40) NUMBER OF SPANS IN MAPROACH  (40) STRUCTURE TYPE  CODE  (40) STRUCTURE TYPE  CODE  (40) SUPERSTRUCTURE  CODE  (40) SUPERSTRUCTURE  (40) SUPERST				(102) DIRECTION OF TRAFFIC		1-way traffic	
(11) DESIGNATED NATIONAL NETWORK - 2n national network for trucks (29) BORDER BRIDGE STRUCTURE NUMBER   (21) TOTAL   (21) MAINT   (22) OWNER   (23) THE TYPE AND MATERIAL   (21) MAINT   (22) OWNER   (23) HISTORICAL SIGNIFICANCE   (27) HISTORICAL SIGNIFICANCE   (28) HISTORICAL SIGNIFICANCE   (27) HISTORICAL SIGNIFICANCE   (28) SUBSTRUCTURE   (28) CHANGES ON SUBSTRUCTURE   (28) CHANGES O		80° 30		(103) TEMPORARY STRUCTUR	!E		
STRUCTURE TYPE AND MATERIAL	. ,		31.34	(110) DESIGNATED NATIONAL	NETWORK - on natiional netw	ork for trucks	
CASE   STRUCTURE TYPE AND MATERIAL   CASE				(20) TOLL		On Free Road	
AS STRUCTURE TYPE MAIN   Prestressed Concrete   120 OWNER   1779   Stringer/Multi-beam or girder   CODE   502   (37) HISTORICAL SIGNIFICANCE -   CONDITION   CODE   CODE   CONDITION   CODE   CONDITION   CODE   CONDITION   CODE   CODE   CONDITION   CODE   C				, ,			0
TYPE StringerMulti-beam or girder CODE 502 (37) HISTORICAL SIGNIFICANCE - CODITION CODE CODE (46) STRUCTURE TYPE APPROACH TYPE CODE (58) DECK CONDITION CODE (58) DECK CODE (71) CHANNEL & CHANNEL PROTECTION (62) CULVERTS (62) CULVERTS (63) TYPE OF WEARINS SURFACE CODE (71) CODE (71) CECK PROTECTION CODE (72) CECK PROTECTION CODE (73) DESIGN LOAD ATTING AND POSTING CODE (73) DESIGN LOAD ATTING AND POSTING CODE (74) CECK PROTECTION CODE (75) CECK PROTECTION CODE (7				, ,			
Add   STRUCTURE TYPE APPROACH   TYPE   CODE   (58) DECK   CONDITION   CODE				, ,	\ <del>-</del>		0
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1960   (65) INVENTORY RATING METHOD -   HS-28	(C) TYPE OF DECK PROTECTION	CODE	0	(63) OPERATING RATING MET	HOD -	Load Factor	
(66) YEAR RECONSTRUCTED	AGE AND SERVICE			(64) OPERATING RATING -		HS-52	9
(42) TYPE OF SERVICE ON -   Highway   (70) BRIDGE POSTING   No Posting Required	(27) YEAR BUILT		1960	(65) INVENTORY RATING MET	HOD -		
OFF- Waterway CODE 15 (41) STRUCTURE OPEN, POSTED, OR CLOSED  (28) LANES ON STRUCTURE 2 LANES UNDER STRUCTURE 0 DESCRIPTION OPEN, no restriction  (29) AVERAGE DAILY TRAFFIC 16000 APPRAISAL CODE  (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT 14 (67) STRUCTURAL EVALUATION  (19) BYPASS OR DETOUR LENGTH 6.60 DECK GEOMETRY  GEOMETRIC DATA 6.69 UNDERCLEARANCES, VERT & HORIZ  (48) LENGTH OF MAXIMUM SPAN 53.0 (77) WATERWAY ADEQUACY  (49) STRUCTURE LENGTH 165.0 (72) APPROACH ROADWAY ALIGNMENT  (50) CURB OR SIDEWALK: LEFT 0.0 RIGHT 0.0 (36) TRAFFIC SAFETY FEATURES 165 (113) SCOUR CRITICAL BRIDGES  (52) DECK WIDTH OUT TO OUT 33.8 (113) SCOUR CRITICAL BRIDGES  (52) DECK WIDTH OUT TO OUT 33.8 RIOSE MEDIAN Open median CODE 1 (75) TYPE OF WORK CODE  (34) SKEW 0 (35) STRUCTURE FLARED 0 (75) TYPE OF WORK CODE  (34) SKEW 10 (35) STRUCTURE FLARED 0 (75) TYPE OF WORK CODE  (35) MIN VERT TOTAL HORIZ CLEAR 28.0 (36) MIN VERT CLEAR OVER BRIDGE ROWY 999.9 (95) ROADWAY IMPROVEMENT COST  (55) MIN LAT UNDERCLEAR: REFERENCE N 0.0 (96) TOTAL PROJECT COST  (55) MIN LAT UNDERCLEARANCE RT: REFERENCE N 0.0 (96) TOTAL PROJECT COST  (56) MIN LAT UNDERCLEARANCE RT: REFERENCE N 0.0 (96) TOTAL PROJECT COST  (56) MIN LAT UNDERCLEARANCE RT: REFERENCE N 0.0 (96) TOTAL PROJECT COST  (38) NAVIGATION CONTROL CODE 0 (90) INSPECTION DATE 07/17 (91) FREQUENCY  (39) NAVIGATION VERTICAL CLEARANCE CODE 0 (90) INSPECTION DATE 07/17 (91) FREQUENCY  (39) NAVIGATION VERTICAL CLEARANCE N 0.0 (92) CRITICAL FEATURE INSPECTION (93) CFI DATE  (39) NAVIGATION VERTICAL CLEARANCE CODE 0.0 (92) CRITICAL FEATURE INSPECTION (93) CFI DATE  (39) NAVIGATION VERTICAL CLEARANCE N 0.0 (92) CRITICAL FEATURE INSPECTION (93) CFI DATE  (39) NAVIGATION VERTICAL CLEARANCE N 0.0 (93) CFI DATE  (39) NAVIGATION VERTICAL CLEARANCE N 0.0 (93) CFI DATE  (39) NAVIGATION VERTICAL CLEARANCE N 0.0 (93) CFI DATE	(106) YEAR RECONSTRUCTED	0	.000000	(66) INVENTORY RATING		HS-28	5
(28) LANES ON STRUCTURE   2 LANES UNDER STRUCTURE   0   DESCRIPTION   Open, no restriction	(42) TYPE OF SERVICE ON -	H	Highway	(70) BRIDGE POSTING	No Pos	ting Required	
(29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT (19) BYPASS OR DETOUR LENGTH (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50) CURB OR SIDEWALK: LEFT (50) CURB OR SIDEWALK: LEFT (51) BRIDGE ROADWAY WIDTH, CURB TO CURB (32) APPROACH ROADWAY WITH (W/ SHOULDERS) (33) BRIDGE MEDIAN (34) SKEW (35) STRUCTURE LEAR (47) WATERWAY ADEQUACY (72) APPROACH ROADWAY ALIGNMENT (75) TYPE OF WORK (75) TYPE OF WORK (76) LENGTH OF STRUCTURE IMPROVEMENTS (76) LENGTH OF TRICTURE IMPROVEMENTS (77) TYPE OF WORK (78) LENGTH OF MAXIMUM SPAN (79) PROPOSED IMPROVEMENTS (79) PROPOSED IMPROVEMENTS (79) TYPE OF WORK (79) LENGTH OF STRUCTURE IMPROVEMENT (79) TYPE OF WORK (79) LENGTH OF STRUCTURE IMPROVEMENT (79) PROPOSED IMPROVEMENT (79) TYPE OF WORK (79) LENGTH OF STRUCTURE IMPROVEMENT (79) PROPOSED IMPROVEMENT (79) PROPOSED IMPROVEMENT (79) TYPE OF WORK (79) LENGTH OF STRUCTURE IMPROVEMENT (79) PROPOSED IMPROVEMENT (7	OFF - Waterway	y CODE	15	(41) STRUCTURE OPEN, POST	ED, OR CLOSED		,
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(48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50) CURB OR SIDEWALK: LEFT (51) BRIDGE ROADWAY WIDTH, CURB TO CURB (52) DECK WIDTH OUT TO OUT (51) BRIDGE ROADWAY WITH (W/ SHOULDERS) (52) DECK WIDTH OUT TO OUT (53) SRIDGE MEDIAN (52) OPEN median CODE (53) SRIDGE MEDIAN (54) STRUCTURE FLARED (55) MIN VERT CLEAR (56) WIN VERT CLEAR (57) TYPE OF WORK (58) MIN VERT CLEAR OVER BRIDGE RDWY (59) SPADAWAY IMPROVEMENT COST (59) MIN VERT UNDERCLEAR: REFERENCE (50) MIN VERT UNDERCLEAR: REFERENCE (50) MIN LAT UNDERCLEARANCE RT: REFERENCE (50) MIN LAT UNDERCLEARANCE RT: REFERENCE (50) MIN LAT UNDERCLEARANCE LT: (51) MIN LAT UNDERCLEARANCE LT: (52) MAVIGATION CONTROL - (54) MIN LAT UNDERCLEARANCE LT: (55) MIN LAT UNDERCLEARANCE LT: (56) MIN LAT UNDERCLEARANCE LT: (57) TYPE OF WORK (72) APPROACH ROADWAY ALIGNMENT (75) TYPE OF WORK (76) LENGTH SATURES (77) MAPROVEMENT (75) TYPE OF WORK (76) LENGTH SATURES (77) MAPROVEMENT (78) TYPE OF WORK (79) PROPOSED IMPROVEMENT (75) TYPE OF WORK (76) LENGTH SATURES (17) MAPROVEMENT (75) TYPE OF WORK (76) LENGTH SATURES (17) APPROVEMENT (75) TYPE OF WORK (76) LENGTH SATURES	(19) BYPASS OR DETOUR LENGTH		1.0	(68) DECK GEOMETRY			:
(49) STRUCTURE LENGTH       165.0       (72) APPROACH ROADWAY ALIGNMENT         (50) CURB OR SIDEWALK: LEFT       0.0 RIGHT       0.0         (51) BRIDGE ROADWAY WIDTH, CURB TO CURB       28.0       (36) TRAFFIC SAFETY FEATURES       1         (52) DECK WIDTH OUT TO OUT       33.8       (113) SCOUR CRITICAL BRIDGES         (32) APPROACH ROADWAY WITH (W/ SHOULDERS)       26.0       PROPOSED IMPROVEMENTS         (33) BRIDGE MEDIAN       Open median CODE       1       (75) TYPE OF WORK       CODE         (34) SKEW       0 (35) STRUCTURE FLARED       0       (76) LENGTH OF STRUCTURE IMPROVEMENT       CODE         (47) INVENTORY ROUTE MIN VERT CLEAR       999.9       (94) BRIDGE IMPROVEMENT COST       (94) BRIDGE IMPROVEMENT COST         (53) MIN VERT CLEAR OVER BRIDGE RDWY       999.9       (95) ROADWAY IMPROVEMENT COST       (96) TOTAL PROJECT COST         (54) MIN VERT UNDERCLEARANCE RT: REFERENCE       0.0       (96) TOTAL PROJECT COST       (97) YEAR OF IMPROVEMENT COST ESTIMATE         (55) MIN LAT UNDERCLEARANCE LT:       0.0       (97) YEAR OF IMPROVEMENT COST ESTIMATE       (114) FUTURE ADT       32,000 YEAR OF FUTURE ADT       2         (38) NAVIGATION CONTROL -       CODE       0       (90) INSPECTION DATE       07/17 (91) FREQUENCY         (111) PIER PROTECTION       CODE       (92) CRITICAL FEATURE INSPECTION <t< td=""><td>GEOMETRIC DATA</td><td></td><td></td><td>(69) UNDERCLEARANCES, VER</td><td>RT &amp; HORIZ</td><td></td><td>1</td></t<>	GEOMETRIC DATA			(69) UNDERCLEARANCES, VER	RT & HORIZ		1
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()	(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR		0.0	B) UNDERWATER INSP	0 B)		
(40) NAVIGATION HORIZONTAL CLEARANCE 0.0 C) OTHER SPECIAL INSP 0 C)	(40) NAVIGATION HORIZONTAL CLEARANCE		0.0	C) OTHER SPECIAL INSP	0 C)		
SCOUR				SCOUR			

## Superstructure Build Details

Span Number 1

Span Length 55.0830

Skew 0.0000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1850 Square Feet			
8	Movable Bearing	Movable Bearing	8	Each	Unknow	8
2	Concrete and Metal Railing	Other Bridge Railing	112	Feet	Galvanized Protective System	112
1	Strip SEal	Strip Seal Expansion Joint	33	Feet		
4	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	220	Feet		

Span Number  $\underline{2}$ 

Span Length <u>54.9170</u>

Skew 90.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
4	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	220 Feet			
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1839	Square Feet		
1	Standard Joint	Pourable Joint Seal	34	Feet		
8	Movable Bearing	Movable Bearing	8	Each	Unknow	8
2	Concrete and Metal Railing	Other Bridge Railing	110	Feet	Galvanized Protective System	110

Span Number 3

Span Length 55.2500

Skew 90.0000

Number of Items	Type of Component	Element Name Quantity		Protective System Applied	Quantity (Sq Ft)	
2	Concrete and Metal Railing	Other Bridge Railing	112	Feet	Galvanized Protective System	112
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1850	Square Feet		
4	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	220	Feet		
8	Movable Bearing	Movable Bearing	8	Each	Unknow	8
2	Strip SEal	Strip Seal Expansion Joint	68	Feet		

## Structure Element Scoring

Structure Number: 850126 Inspection Date 7/2/2019

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	О	Reinforced Concrete Deck	Deck	5539	0	5518	21	0
109	0	Prestressed Concrete Open Girder/Beam	Beam	660	585	26	49	0
205	0	Reinforced Concrete Column	Piles and Columns	4	1	2	1	0
215	0	Reinforced Concrete Abutment	Abutments	100	100	0	0	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	20	20	0	0	0
225	0	Steel Pile	Piles and Columns	20	20	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	130	58	12	60	0
300	0	Strip Seal Expansion Joint	Expansion Joints	101	93	3	5	0
301	0	Pourable Joint Seal	Expansion Joints	34	32	0	2	0
311	0	Movable Bearing	Bearing Device	24	2	6	16	0
515	311	Steel Protective Coating	Bearing Device	24	3	0	0	21
321	0	Reinforced Concrete Approach Slabs	Approaches	700	645	0	55	0
333	0	Other Bridge Railing	Bridge Rail	334	188	146	0	0
515	333	Steel Protective Coating	Bridge Rail	334	334	0	0	0

# Summary of Maintenance Needs

## Maintenance By Defect

Structure Number: 850126 Inspection Date: 07/02/2019

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	30 Square Feet
3326	Reinforced Concrete Deck	Exposed Rebar	1 Square Feet
3326	Reinforced Concrete Deck	Cracking (RC and Other)	5494 Square Feet
3326	Reinforced Concrete Deck	Patched Areas	15 Square Feet
3306	Prestressed Concrete Open Girder/Bear	Delamination/Spall	7 Feet
3306	Prestressed Concrete Open Girder/Bear	Exposed Prestressing	21 Feet
3306	Prestressed Concrete Open Girder/Bear	Cracking (PSC)	10 Feet
3306	Prestressed Concrete Open Girder/Bear	Exposed Rebar	37 Feet
3348	Reinforced Concrete Column	Exposed Rebar	8 Each
3348	Reinforced Concrete Column	Delamination/Spall	11 Each
3348	Reinforced Concrete Pier Cap	Delamination/Spall	38 Feet
3348	Reinforced Concrete Pier Cap	Exposed Rebar	43 Feet
3334	Movable Bearing	Corrosion	2 Each
3318	Other Bridge Railing	Damage	146 Feet
3342	Steel Protective Coating	Peeling/Bubbling/Cracking (steel Protective Coatings)	2 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	19 Square Feet

## **Element Structure Maintenance Quantities**

Structure Number: 850126 Inspection Date 07/02/2019

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	100	0	0	0	100
Approaches	3353	Maintenance of Concrete Bridge Approach Slabs	0	700	О	55	О	645
Beam	3306	Maintenance Concrete Superstructure Components	75	660	О	49	26	585
Bearing Device	3334	Bridge Bearing	2	24	О	16	6	2
Bearing Device	3342	Clean and Paint Steel	21	24	21	О	0	3
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	146	334	О	О	146	188
Bridge Rail	3342	Clean and Paint Steel	0	334	О	О	0	334
Caps	3348	Maintenance of Concrete Substructure	81	130	О	60	12	58
Deck	3326	Maintenance of Concrete Deck	5540	5539	О	21	5518	0
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	135	0	7	3	125
Footing	3348	Maintenance of Concrete Substructure	0	20	0	0	0	20
Piles and Columns	3348	Maintenance of Concrete Substructure	19	4	0	1	2	1
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	20	0	0	0	20

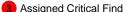
Structure Num	ber <u>850126</u>	_	
Span1			
3326	Deck	Reinforced Cor	ncrete Deck
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 1 Deck: (PAR) 1ft diameter by 1in spall with exposed rebar in left lane at bent 1 joint
3306	Beam 1	Prestressed Co	oncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	4	Span 1 Beam 1: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm.
2	Exposed Prestressing	2	Span 1 Beam 1: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom edge up 8" x 21" x 2" deep with minor section loss to strands.
2	Exposed Prestressing	1	Span 1 Beam 1: (PAR) right bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 11" x 2" deep with minor section loss to strands.
3306	Beam 2	Prestressed Co	oncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	3	Span 1 Beam 2: (PAR) 3ft x 8in x 2in deep spall with exposed rebar in end diaphragm
2	Exposed Prestressing	1	Span 1 Beam 2: (PAR) left bottom flange at bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 9" x 10" x 2" deep with minor section loss to strands.
3306	Beam 3	Prestressed Co	oncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Prestressing	1	Span 1 Beam 3: (PAR) right bottom flange over bent 1. Has a crack/spall and delaminated area with 2 cables exposed. Area is: from bottom up 8" x 8" x 2" deep with minor section loss to strands.
2	Exposed Rebar	4	Span 1 Beam 3: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm
3306	Beam 4	Prestressed Co	oncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	2	Span 1 Beam 4: (PAR) 2ft x 8in x 2in deep spall with exposed rebar in end diaphragm
2	Exposed Prestressing	2	Span 1 Beam 4: (PAR) right bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 10" x 17" x 2" deep with minor section loss to strands.

### Span2

3306 Prestressed Concrete Girder Beam 1

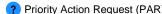






Structure Nur	mber <u>850126</u>	_	
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	3	Span 2 Beam 1: (PAR) 3ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 1
2	Exposed Rebar	4	Span 2 Beam 1: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2
2	Exposed Prestressing	1	Span 2 Beam 1: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated with 3 cables exposed. Area is: from bottom edge up 8" x 11" x 2" deep with some section loss to strands.
3306	Beam 2	Prestressed C	oncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	4	Span 2 Beam 2: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 1
2	Exposed Rebar	4	Span 2 Beam 2: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2
2	Exposed Prestressing	1	Span 2 Beam 2: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 8" x 2" deep with minor section loss to strands.
3306	Beam 3	Prestressed C	oncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Prestressing	1	Span 2 Beam 3: (PAR) right bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 8" x 2" deep with minor section loss to strands.
2	Exposed Rebar	4	Span 2 Beam 3: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2
2	Exposed Prestressing	1	Span 2 Beam 3: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 12" x 2" deep with minor section loss to strands.
2	Exposed Prestressing	1	Span 2 Beam 3: (PAR) left bottom flange over bent 2. Has a crack/spall and delaminated area with cables exposed. Area is: from bottom up 8" x 10" x 2" deep with some section loss to strands.
2	Exposed Prestressing	1	Span 2 Beam 3: (PAR) right bottom flange over bent 2. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom edge up 8" x 10" x 2" deep. Strands appear to have some section loss.
3306	Beam 4	Prestressed C	oncrete Girder
Priority	Defeat Type	Oventity	Defeat Description
Level 2	Defect Type Exposed Prestressing	Quantity 1	Defect Description  Span 2 Beam 4: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 9" x 9" x 2" deep with minor section loss to strands.
2	Exposed Prestressing	2	Span 2 Beam 4: (PAR) right bottom flange over bent 2. Has a crack/spall and delaminated area with 3 cables exposed. Area is: 8" x 13" x 1 1/2" deep with some section loss on strands.
2	Exposed Prestressing	2	Span 2 Beam 4: (PAR) right bottom over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 10" x 14" x 2" deep with some section loss to strands

section loss to strands.



3306	Beam 1	Prestressed Co	oncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Prestressing Exposed Rebar	2	Span 3 Beam 1: (PAR) right bottom flange over bent 2. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 7" x 9" x 1 1/2" deep with some section loss to strands.  Span 3 Beam 1: (PAR) 2ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2
3306	Beam 2	Prestressed Co	oncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Prestressing	1	Span 3 Beam 2: (PAR) left bottom flange at bent 2. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 11" x 1 1/2"
2	Exposed Rebar	3	deep. Strands appear to have some section loss.  Span 3 Beam 2: (PAR) 3ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2
3306	Beam 3	Prestressed Co	oncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Prestressing	1	Span 3 Beam 3: (PAR) right bottom flange over bent 2. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 10" x 2" deep. Strands appear to have minor section loss.
Bent 1			
Dent i			
3348	Cap 1	Reinforced Cor	ncrete Pier Cap
	Cap 1  Defect Type	Reinforced Cor	ncrete Pier Cap  Defect Description
3348 Priority			
3348 Priority Level	Defect Type	Quantity	Defect Description  Bent 1 Cap 1: (PAR) cap north face at beam 4. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge back 2", from top edge down 30" x 36" x 2" deep. With heavy rust and flaking on rebar.  Bent 1 Cap 1: (PAR) cap north face under beam 1. Has a crack/spall and
3348 Priority Level	Defect Type Exposed Rebar	Quantity 6	Defect Description  Bent 1 Cap 1: (PAR) cap north face at beam 4. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge back 2", from top edge down 30" x 36" x 2" deep. With heavy rust and flaking on rebar.  Bent 1 Cap 1: (PAR) cap north face under beam 1. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge back 3", from top edge down 29" x 54" x 1 1/2" deep with some heavy rust and flaking to rebar.
3348 Priority Level 2	Defect Type Exposed Rebar Exposed Rebar	Quantity 6	Defect Description  Bent 1 Cap 1: (PAR) cap north face at beam 4. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge back 2", from top edge down 30" x 36" x 2" deep. With heavy rust and flaking on rebar.  Bent 1 Cap 1: (PAR) cap north face under beam 1. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge back 3", from top edge down 29" x 54" x 1 1/2" deep with some heavy rust and flaking to rebar.
3348 Priority Level  2  2  3348 Priority	Defect Type Exposed Rebar Exposed Rebar Pile 1	Quantity 6 6 Reinforced Cor	Defect Description  Bent 1 Cap 1: (PAR) cap north face at beam 4. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge back 2", from top edge down 30" x 36" x 2" deep. With heavy rust and flaking on rebar.  Bent 1 Cap 1: (PAR) cap north face under beam 1. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge back 3", from top edge down 29" x 54" x 1 1/2" deep with some heavy rust and flaking to rebar.
3348 Priority Level  2  3348 Priority Level	Defect Type Exposed Rebar Exposed Rebar Pile 1 Defect Type	Quantity 6 6 Reinforced Cor	Defect Description  Bent 1 Cap 1: (PAR) cap north face at beam 4. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge back 2", from top edge down 30" x 36" x 2" deep. With heavy rust and flaking on rebar.  Bent 1 Cap 1: (PAR) cap north face under beam 1. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge back 3", from top edge down 29" x 54" x 1 1/2" deep with some heavy rust and flaking to rebar.  Defect Description  Defect Description  Bent 1 Pile 1: (PAR) northwest corner has a crack/spall and delaminated area. Located 16" below bottom of cap. Area on north face is: 6", area on west face is: 9"

2 Assigned Priority Maintenance 3 Assigned Critical Find

? Priority Action Request (PAR) 1 Assigned Routine Maintenance

#### Structure Number 850126

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	5	Bent 2 Cap 1: (PAR) cap bottom and north face at beam 3. Has a crack/spall and delaminated area with rebar exposed. Area is: from bottom edge up 12", from bottom edge back 7" x 43" long x 5" deep.
2	Exposed Rebar	10	Bent 2 Cap 1: (PAR) cap north face at beam 1. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge back 2", from bottom edge back 7", from top down 29" x 10' long x 2" deep with heavy rust and flaking on rebar.
2	Exposed Rebar	8	Bent 2 Cap 1: (PAR) cap top, north face and bottom at beam 4. Has a crack/spall and delaminated area with rebar exposed. Area is: from top down 28", from top edge back 2", from bottom edge back 7" x 48".
2	Exposed Rebar	8	Bent 2 Cap 1: (PAR) cap top, north face in bay 3. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge down 16", from edge back 12" x 7' x 6" deep.

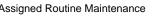
### General Comments and Misc Items

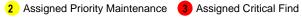
General Comments and Misc Items

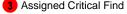
General Comments and Misc Items

Priority Level	Defect Type	Quantity	Defect Description
1		20	(PAR) 20ft impact damage to far left guardrail at end bent 2
1		3	(PAR) near right slope protection is undermined 4ft deep x 3ft x 9in









## Element Condition and Maintenance Data

Structure Number: 850126 Inspection Date: 07/02/2019

						•	ato. <u>01/02/20</u>
n 1	Deck						
nforced Concrete	Deck						
ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Reinford	ced Concrete Deck	1,850	0	1,834	16	0 S	quare Feet
nt er Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
Delamination/Spall				3	1	1	Square Feet
Patched Areas	top of deck left lane has scattered 10" x 10" up to 20" x 20".	patches. patches are f	rom:	3	11	11	Square Feet
Patched Areas	top of deck right lane has scattere 3" x 4" up to 10" x 10".	d patches. patches are	from	3	4	4	Square Feet
Cracking (RC and Other)	top of deck has scattered map cra	icks.		2	1,834	1,834	Square Feet
Exposed Rebar	(PAR) 1ft diameter by 1in spall wit bent 1 joint	th exposed rebar in left	lane at	2		1	Square Feet
	ment mber Reinford  The Defect Type Delamination/Spall  Patched Areas  Patched Areas  Cracking (RC and Other)	ment mber Element Name Reinforced Concrete Deck  It Defect Type Defect Des  Delamination/Spall bottom of right overhang over ben delaminated area with rebar expordeep., left side similiar.  Patched Areas top of deck left lane has scattered 10" x 10" up to 20" x 20".  Patched Areas top of deck right lane has scattered 3" x 4" up to 10" x 10".  Cracking (RC and Other)  Exposed Rebar (PAR) 1ft diameter by 1in spall with the second of the control of the co	ment Element Name Qty Reinforced Concrete Deck 1,850  It Defect Type Defect Description  Delamination/Spall bottom of right overhang over bent 1. Has a crack/spall a delaminated area with rebar exposed. Area is: 4" x 9" x 1 deep., left side similiar.  Patched Areas top of deck left lane has scattered patches. patches are 10" x 10" up to 20" x 20".  Patched Areas top of deck right lane has scattered patches. patches are 3" x 4" up to 10" x 10".  Cracking (RC and Other)  Exposed Rebar (PAR) 1ft diameter by 1in spall with exposed rebar in left	ment Element Name Qty Qty Reinforced Concrete Deck 1,850 0  It Defect Type Defect Description  Delamination/Spall bottom of right overhang over bent 1. Has a crack/spall and delaminated area with rebar exposed. Area is: 4" x 9" x 1/2" deep., left side similiar.  Patched Areas top of deck left lane has scattered patches. patches are from: 10" x 10" up to 20" x 20".  Patched Areas top of deck right lane has scattered patches. patches are from 3" x 4" up to 10" x 10".  Cracking (RC and Other)  Exposed Rebar (PAR) 1ft diameter by 1in spall with exposed rebar in left lane at	ment Element Name Qty Qty Qty Qty Reinforced Concrete Deck  Total CS1 CS2 Qty Qty Qty Qty Qty Qty Reinforced Concrete Deck 1,850 0 1,834  It Defect Type Defect Description CS  Delamination/Spall bottom of right overhang over bent 1. Has a crack/spall and delaminated area with rebar exposed. Area is: 4" x 9" x 1/2" deep., left side similiar.  Patched Areas top of deck left lane has scattered patches. patches are from: 10" x 10" up to 20" x 20".  Patched Areas top of deck right lane has scattered patches. patches are from 3 "x 4" up to 10" x 10".  Cracking (RC and Other)  Exposed Rebar (PAR) 1ft diameter by 1in spall with exposed rebar in left lane at 2	ment Element Name Qty	ment Element Name Qty

Spa	an 1	Beam 1						
Pres	stressed Concrete	Girder						
Nur	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestres	sed Concrete Open Girder/Beam	55	46	3	6	0 Feet	
Elemen Numbe	Dofoot Typo	Defect Descripti	on		cs	CS Qty	Maint Qty	
109	Delamination/Spall	right web over bent 1. Has a crack/spa with rebar exposed located under end of 16" x 1" deep.			3	2	2 Feet	
109	Exposed Rebar	(PAR) 4ft x 8in x 2in deep spall with exp diaphragm at bent bent 1.	oosed rebar in e	end	3	4	4 Feet	
109	Exposed Prestressing	(PAR) bottom flange over bent 1. Has delaminated area with 3 cables expose edge up 8" x 21" x 2" deep with minor s	d. Area is: from	bottom	2	2	2 Feet	
109	Exposed Prestressing	(PAR) bottom flange over bent 1. Has delaminated area with 3 cables expose up 8" x 11" x 2" deep with minor section	d. Area is: from	bottom	2	1	1 Feet	

Prest	ressed Concrete	Girder						
		- Cirdor	T-1-1	004	000	000	004	
Elem Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestress	sed Concrete Open Girder/Beam	55	51	1	3	0 F	eet
Element Number	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty	
109 I	Exposed Rebar	(PAR) 3ft x 8in x 2in deep spall with ex diaphragm at bent 1.	posed rebar in e	nd	3	3	3	Feet
109 I	Exposed Prestressing	(PAR) left bottom flange at bent 1. Hat delaminated area with 3 cables expose up 9" x 10" x 2" deep with minor sectio	ed. Area is: from	bottom	2	1	1	Feet

Spar	า 1	Beam 3						
Pres	tressed Concrete	Girder						
Elem Num 109	ber	Element Name sed Concrete Open Girder/Beam	Total Qty 55	CS1 Qty 50	CS2 Qty 0	CS3 Qty 5	CS4 Qty 0 F	- eet
Element Number	Dofoct Typo	Defect Descripti	ion		CS	CS Qty	Maint Qty	
109	Exposed Prestressing	(PAR) bottom flange over bent 1. Has delaminated area with 2 cables expose up 8" x 8" x 2" deep with minor section	d. Area is: from		3	1	1	Feet
109	Exposed Rebar	(PAR) 4ft x 8in x 2in deep spall with exp diaphragm at bent 1.	posed rebar in e	nd	3	4	4	Feet
(	General Comments							

Spa	n 1	Beam 4						
Pres	stressed Concrete	Girder						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestress	sed Concrete Open Girder/Beam	55	51	2	2	0 F	eet
Elemen Numbe	Dofoct Typo	Defect Description	า		CS	CS Qty	Maint Qty	
109	Exposed Rebar	(PAR) 2ft x 8in x 2in deep spall with expodiaphragm at bent 1.	sed rebar in e	nd	3	2	2	Feet
109	Exposed Prestressing	(PAR) right bottom flange over bent 1. Hadelaminated area with 3 cables exposed. up 10" x 17" x 2" deep with minor section	Area is: from	bottom	2	2	2	Feet
-	General Comments	·						

Span 1		Left Bridg	je Rail					
Concrete	and Metal Railing							
Element Number	Eler	nent Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Raili	ng	56	21	35	0	0 Feet	
515	Steel Protective C	oating	56	56	0	0	0 Square	e Feet
Element Number D	efect Type	Defect De	scription		CS	CS Qty	Maint Qty	
333 Damag	je Span 1	left rail has torn areas du	e to impact damage.		2	35	35 Fee	t
General	Comments							

Span 1 Near Bearing Movable Bearing CS1 CS2 CS4 Element Total CS3 Qty Qty Number Element Name Qty Qty Qty 311 Movable Bearing 0 0 1 0 Each 515 Steel Protective Coating 1 0 0 0 1 Square Feet Element Maint Defect Type **Defect Description** CS CS Qty Number Qty 3 1 311 Corrosion Span 1 beam near bearing has scattered rust and flaking, 1 Each anchor nut has 50 percent section loss. 515 Peeling/Bubbling/Crack protective coating has failed. 4 1 1 Square Feet ing (steel Protective Coatings)

Spa	n 1	Far Bearing	g					
Mov	able Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	e Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoot Typo	Defect Desc	cription		CS	CS Qty	Maint Qty	
311	Corrosion	heavy corrosion and scaling with u	p to 1/4in section loss.		3	1		Each
515	Effectiveness (Steel Protective Coatings)	protective coating has failed			4	1		1 Square Feet
	General Comments							

Span	n 1	Near Bearing						
Mova	able Bearing							
Elem Numl		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	
311	Corrosion	surface corrosion and covered in dirt.			2	1		Each
	Effectiveness (Steel Protective Coatings)	protective coating has failed			4	1		1 Square Feet
G	Seneral Comments							

Spa	ın 1	Far Beari	ng					
Mov	able Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoot Typo	Defect De	scription		cs	CS Qty	Maint Qty	
311	Corrosion	heavy corrosion and scaling with	up to 1/4in section loss.		3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	protective coating has failed			4	1	1	Square Feet
-	General Comments							

Spar	า 1	Near Bearing					
Mov	able Bearing						
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable	Bearing	1	0	1	0	0 Each
515	Steel Pr	otective Coating	1	0	0	0	1 Square Feet
Element Number	Dofoot Typo	Defect Descrip	tion		CS	CS Qty	Maint Qty
311	Corrosion	surface corrosion and covered in dirt.			2	1	Each
515	Effectiveness (Steel Protective Coatings)	protective coating has failed.			4	1	1 Square Feet
(	General Comments						

Spa	an 1		Far Bearing	)					
Mo	vable	Bearing							
	ment mber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		Movable	Bearing	1	0	0	1	0	Each
515		Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Elemei Numbe		Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
311	Corro	sion	heavy corrosion and scaling with up	to 1/4in section los	S.	3	1		Each
515		tiveness (Steel ctive Coatings)	protective coating has failed			4	1		1 Square Feet
	Genera	al Comments							

Spa	ın 1	Near Bearing						
Mov	able Bearing							
Nun	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	e Bearing	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoot Typo	Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion	surface corrosion and covered in dirt.			2	1		Each
515	Effectiveness (Steel Protective Coatings)	protective coating has failed			4	1		1 Square Feet
•	General Comments							

Span 1		Far	Bearing					
Movable	Bearing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	e Bearing	1	0	1	0	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
ilement lumber	Defect Type	De	fect Description		CS	CS Qty	Maint Qty	
311 Corros	sion	heavy corrosion and scal	ing with up to 1/4in section los	SS.	2	1	-	Each

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protective coating has failed

1 Square Feet

Effectiveness (Steel Protective Coatings)

Span	1	Expansio	n Joint					
Strip	SEal							
Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
300	Strip Se	al Expansion Joint	33	30	3	0	0	Feet
Element Number	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
300	Seal Adhesion	Expansion joint 1 over end bent 1 cracking along edge of joint.	1. Loss of seal adhesion	n due to	2	3		Feet
G	eneral Comments							

Spa	an 2	Deck						
Rei	nforced Concrete	Deck						
Nu	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinford	ced Concrete Deck	1,839	0	1,837	2	0 \$	Square Feet
Elemei Numbe	Dofoct Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
12	Delamination/Spall	bottom of right overhang over bent delaminated area with rebar expose 1/2" deep.			3	2	2	Square Feet
12	Cracking (RC and Other)	top of deck has hairline map cracking	ng throughout.		2	1,813	1,813	Square Feet
12	Delamination/Spall	top of deck right lane has scattered delamination.	crack/spalls and		2	24	24	Square Feet
	General Comments							

Span	2	Expansio	n Joint					
Stand	dard Joint							
Eleme Numb	per	Element Name le Joint Seal	Total Qty 34	CS1 Qty 32	CS2 Qty 0	CS3 Qty 2	CS4 Qty 0	
Element Number	Defect Type	Defect De	scription		CS	CS Qty	Maint Qty	
301 5	Seal Adhesion	Expansion joint over bent 1 has s cracking along edge of joint.	seal adhesion loss due	to	3	2		Feet
G	eneral Comments							

Spar	n 2	Beam 1						
Pres	tressed Concret	e Girder						
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestre	ssed Concrete Open Girder/Beam	55	47	1	7	0	Feet
Element Number	Dofoot Typo	Defect Descript	ion		CS	CS Qty	Maint Qty	
109	Exposed Rebar	(PAR) 3ft x 8in x 2in deep spall with expending the spanning of the spanning o	posed rebar in er	nd	3	3	3	Feet .
109	Exposed Rebar	(PAR) 4ft x 8in x 2in deep spall with exp	posed rebar in er	nd	3	4	4	Feet

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2

1 Feet

diaphragm at bent 2 (PAR) Span 2 beam 1 left bottom flange over bent 1. Has a crack/spall and delaminated with 3 cables exposed. Area is: from bottom edge up 8" x 11" x 2" deep with some section loss to strands. **Exposed Prestressing** 

General Comments

109

Spa	an 2		Beam 2						
Pre	stre	ssed Concrete	Girder						
	ment mber		Element Name sed Concrete Open Girder/Beam	Total Qty 55	CS1 Qty 46	CS2 Qty 1	CS3 Qty 8	CS4 Qty 0	Feet
Eleme		Defect Type	Defect Description	1		CS	CS Qty	Maint Qty	
109	Exp	oosed Rebar	(PAR) 4ft x 8in x 2in deep spall with expodiaphragm at bent 1.	sed rebar in e	nd	3	4	4	Feet
109	Exp	oosed Rebar	(PAR) 4ft x 8in x 2in deep spall with expodiaphragm at bent 2	sed rebar in e	nd	3	4	4	Feet
109	Exp	posed Prestressing	(PAR) Span 2 beam 2 left bottom flange of crack/spall and delaminated area with 3 cis: from bottom up 8" x 8" x 2" deep with r strands.	ables expose	d. Area	2	1	1	Feet
	Gen	eral Comments							

Spa	n 2	Beam 3						
Pre	stressed Concrete	Girder						
	ment mber Prestress	Element Name sed Concrete Open Girder/Beam	Total Qty 55	CS1 Qty 45	CS2 Qty 3	CS3 Qty 7	CS4 Qty 0 Feet	
Elemer Numbe	Defeat Tune	Defect Description			cs	CS Qty	Maint Qty	
109	Delamination/Spall		m 3 left web over bent 1. Has a crack/spall and d area with rebar exposed adjacent end diaphragm. x 12" x 1/2" deep.			1	1 Feet	
109	Delamination/Spall		oan 2 beam 3 left web under end diaphragm at bent 2. Has a ack/spall and delaminated area. Area is: 4" x 9" x 1/2" deep.			1	1 Feet	
109	Exposed Prestressing	(PAR) Span 2 beam 3 right bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 8" x 2" deep with minor section loss to strands.			3	1	1 Feet	
109	Exposed Rebar	(PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2			3	4	4 Feet	
109	Exposed Prestressing	(PAR) Span 2 beam 3 left bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 12" x 2" deep with minor section loss to strands.		l. Area	2	1	1 Feet	
109	Exposed Prestressing	(PAR) Span 2 beam 3 left bottom flange over bent 2. Has a crack/spall and delaminated area with cables exposed. Area is: from bottom up 8" x 10" x 2" deep with some section loss to strands.		Area is:	2	1	1 Feet	
109	Exposed Prestressing	(PAR) Span 2 beam 3 right bottom flange o crack/spall and delaminated area with 3 cab is: from bottom edge up 8" x 10" x 2" deep. have some section loss.	oles exposed	l. Area	2	1	1 Feet	
	General Comments	·						

Spa	an 2	Beam 4						
Pre	estressed Concrete	Girder						
	ement mber Prestres	Element Name sed Concrete Open Girder/Beam	Total Qty 55	CS1 Qty 50	CS2 Qty 4	CS3 Qty 1	CS4 Qty 0 Fe	eet
Elemei Numbe	Dofoot Typo	Defect Descripti	on		CS	CS Qty	Maint Qty	
109	Exposed Prestressing	(PAR) Span 2 beam 4 left bottom flange crack/spall and delaminated area with 3 is: from bottom up 9" x 9" x 2" deep with strands.	cables exposed	d. Area	3	1	1	Feet
109	Exposed Prestressing	(PAR) Span 2 beam 4 right bottom fland crack/spall and delaminated area with 3 is: 8" x 13" x 1 1/2" deep with some sec	cables exposed	d. Area	2	2	2	Feet
109	Exposed Prestressing	(PAR) Span 2 beam 4 right bottom over crack/spall and delaminated area with 3 is: from bottom up 10" x 14" x 2" deep w strands.	cables exposed		2	2	2	Feet
	General Comments							

Span 2		Left Bridg	je Rail				
Concrete	and Metal R	ailing					
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bri	dge Railing	55	0	55	0	0 Feet
515	Steel Pro	tective Coating	55	55	0	0	0 Square Feet
Element Number	efect Type	Defect Des	scription		CS	CS Qty	Maint Qty
333 Damag	ge	Span 2 left rail has torn areas due	e to impact damage.		2	55	55 Feet

General Comments

Span 2		Right Bridge Rail						
Concre	te and Metal Railing							
Element Number	Element Nam	Э	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing		55	55	0	0	0	Feet
515	Steel Protective Coating		55	55	0	0	0	Square Feet
Element Number	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

Span 2		Near Bearing						
Movabl	e Bearing							
Element Number		ne	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing		1	0	0	1	0 E	ach
515	Steel Protective Coating		1	0	0	0	1 S	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure	Number: <u>850126</u>			Inspe	ction Date: <u>07/02/2019</u>
311	Corrosion	heavy corrosion and scaling with up to 1/4in section loss.	3	1	Each
515	Effectiveness (Steel Protective Coatings)	protective coating has failed	4	1	1 Square Feet
	General Comments				<u> </u>

Spa	an 2	Far Bearing	9					
Mov	vable Bearing							
Nui	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	F. ch
311	Movable	e Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoot Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
311	Corrosion	heavy corrosion and scaling with u	to 1/4in section loss.		3	1		Each
515	Effectiveness (Steel Protective Coatings)	protective coating has failed			4	1	•	1 Square Feet
	General Comments							

Spa	n 2	Near Beari	ng					
Mov	able Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoot Typo	Defect Desc	cription		CS	CS Qty	Maint Qty	
311	Corrosion	heavy corrosion and scaling with u	p to 1/4in section loss.		3	1		Each
515	Effectiveness (Steel Protective Coatings)	protective coating has failed			4	1		1 Square Feet
	General Comments							

Span	2	Far Beari	ng					
Moval	ole Bearing							
Eleme Numb	er	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect De	scription		CS	CS Qty	Maint Qty	
311 C	orrosion	heavy corrosion and scaling with	up to 1/4in section loss.		3	1		Each
	ffectiveness (Steel rotective Coatings)	protective coating has failed			4	1	1	I Square Feet
Ge	eneral Comments							

Spa	n 2	Near Bearir	ng					
Mov	able Bearing							
Elen Num	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemen Number	Dofoot Typo	Defect Desc	ription		CS	CS Qty	Maint Qty	
311	Corrosion	heavy corrosion and scaling with up	to 1/4in section loss		3	1		Each
515	Effectiveness (Steel Protective Coatings)	protective coating has failed			4	1		1 Square Feet
(	General Comments							

Spa	n 2	Far Bearir	ng					
Mov	able Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoot Typo	Defect Des	scription		CS	CS Qty	Maint Qty	
311	Corrosion	heavy corrosion and scaling with	up to 1/4in section loss.		3	1		Each
515	Effectiveness (Steel Protective Coatings)	protective coating has failed			4	1		1 Square Feet
-	General Comments							

Spa	n 2	Near Beari	ng					
Mov	able Bearing							
Elen Num 311	nber	Element Name	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty	CS4 Qty 0	Each
515		otective Coating	1	0	0	0	-	Square Feet
Elemen Number	Dotoot Typo	Defect Desc	ription		CS	CS Qty	Maint Qty	
311	Corrosion	heavy corrosion and scaling with u	p to 1/4in section loss.		3	1		Each
515	Effectiveness (Steel Protective Coatings)	protective coating has failed			4	1		1 Square Feet
(	General Comments							

Span 2		Far Bea	ring					
Movable	e Bearing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movab	le Bearing	1	0	0	1	0	Each
515	Steel F	Protective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect D	escription		CS	CS Qty	Maint Qty	
311 Cor	rosion	heavy corrosion and scaling with	th up to 1/4in section loss	S.	3	1	-	Each

protective coating has failed

throughout.

1 Square Feet

Protective Coatings)

Other)

**General Comments** 

General Comments

Effectiveness (Steel

Span 3 Deck Reinforced Concrete Deck Element Total CS1 CS2 CS3 CS4 Number Element Name Qty Qty Qty Qty Qty 12 Reinforced Concrete Deck 1,850 0 1,847 3 0 Square Feet Element Maint Defect Type **Defect Description** CS CS Qty Number Qty 12 Delamination/Spall 3ft x 6in x 1in deep cracking and spall in left lane at end bent 2 3 3 3 Square Feet Cracking (RC and 12 Span 3 top of deck has heavy map cracking in both lanes 2 1,847 1,847 Square Feet

Spa	n 3	Expansio	n Joint					
Stri	p SEal							
	ment mber Strip Se	Element Name eal Expansion Joint	Total Qty 34	CS1 Qty 32	CS2 Qty 0	CS3 Qty 2	CS4 Qty 0 Feet	
Elemen Numbe	Dofoot Typo	Defect De	scription		CS	CS Qty	Maint Qty	
300	Seal Adhesion	Expansion joint over bent 2. Has cracking along edge in left lane.	s loss of seal adhesion	due to	3	2	Feet	
	General Comments							_

oncrete Gi	rder  Element Name Concrete Open Girder/Beam	Total Qty 55	CS1 Qty	CS2 Qty	CS3	CS4	
Prestressed		Qty					
Prestressed	Concrete Open Girder/Beam		52	o o	Qty	Qty	
Type	Defect Descripti		52	CS	3 CS Qty	0 f Maint Qty	eet
cra is:	ack/spall and delaminated area with 3 from bottom up 7" x 9" x 1 1/2" deep	3 cables expose	d. Area	3	1	Qiy 1	Feet
,	,	posed rebar in e	nd	3	2	2	Feet
0	cra is: to ar (Pa dia	crack/spall and delaminated area with 3 is: from bottom up 7" x 9" x 1 1/2" deep to strands.  (PAR) 2ft x 8in x 2in deep spall with extended and the stranger at bent 2	crack/spall and delaminated area with 3 cables expose is: from bottom up 7" x 9" x 1 1/2" deep with some secti to strands.  ar (PAR) 2ft x 8in x 2in deep spall with exposed rebar in e diaphragm at bent 2	crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 7" x 9" x 1 1/2" deep with some section loss to strands.  (PAR) 2ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2	crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 7" x 9" x 1 1/2" deep with some section loss to strands.  (PAR) 2ft x 8in x 2in deep spall with exposed rebar in end 3	crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 7" x 9" x 1 1/2" deep with some section loss to strands.  ar (PAR) 2ft x 8in x 2in deep spall with exposed rebar in end 3 2 diaphragm at bent 2	crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 7" x 9" x 1 1/2" deep with some section loss to strands.  ar (PAR) 2ft x 8in x 2in deep spall with exposed rebar in end 3 2 2 diaphragm at bent 2

Span 3		Beam 2						
Prestres	ssed Concrete	Girder						
Element Number 109		Element Name sed Concrete Open Girder/Beam	Total Qty 55	CS1 Qty 41	CS2 Qty 10	CS3 Qty 4	CS4 Qty 0 Feet	
 Element Number	Defect Type	Defect Descripti	ion		CS	CS Qty	Maint Qty	
109 Exp	osed Prestressing	(PAR) Span 3 beam 2 left bottom flang crack/spall and delaminated area with 3			3	1	1 Feet	

Spai	n 3	Beam 3							
Pres	tressed Concrete	Girder							
Elem Num 109	ber	Element Name sed Concrete Open Girder/Beam	Total Qty 55	CS1 Qty 54	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Feet	
Element Number	Dofoct Typo	Defect Descripti	on		CS	CS Qty	Maint Qty		
109	Exposed Prestressing	(PAR) Span 3 beam 3 right bottom flang crack/spall and delaminated area with 3 is: from bottom up 8" x 10" x 2" deep. Some section loss.	cables exposed	d. Area	2	1	1	1 Feet	
(	General Comments								_

Spar	n 3	Beam 4						
Pres	tressed Concret	e Girder						
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
109	Prestre	ssed Concrete Open Girder/Beam	55	52	0	3	0	Feet
Element Number	Dofoct Typo	Defect Descriptio	n		CS	CS Qty	Maint Qty	
109	Delamination/Spall	(PAR) Span 3 beam 4 right bottom flangs spalled area with 3 cables exposed. Are with some section loss to strands.			3	2	2	2 Feet
109	Delamination/Spall	Span 3 beam 4 right web over bent 2. H delaminated area adjacent end diaphrag 1/2" deep.			3	1	1	Feet
(	General Comments							

Span 3	Left Bridge R	ail				
Concrete and Metal Railing						
Element Number Elemen	t Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
<ul><li>Other Bridge Railing</li><li>Steel Protective Coat</li></ul>	ing	56 56	0 56	56 0	0	0 Feet 0 Square Feet
Element Number Defect Type	Defect Descrip	tion		CS	CS Qty	Maint Qty
333 Damage Span 3 left impact dan	rail is torn with scrape mar lage.	ks throughtout du	e to	2	56	56 Feet

Span	1 3	Near Bearin	ng					
Mova	able Bearing							
Elem Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
311	Corrosion	heavy corrosion and scaling with up	to 1/4in section loss		3	1		Each
	Effectiveness (Steel Protective Coatings)	protective coating has failed			4	1	1	I Square Feet
G	General Comments							

Span	3	Far Bear	ing					
Mova	ble Bearing							
Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movab	le Bearing	1	0	1	0	0	Each
515	Steel F	Protective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect De	escription		CS	CS Qty	Maint Qty	
311 C	Corrosion	has scattered rust and flaking w	ith no measurable secti	on loss.	2	1		Each
ir	Peeling/Bubbling/Crang (steel Protective Coatings)	ack protective coating is missing in s	scattered locations.		4	1		1 Square Feet
Ge	eneral Comments							

Spa	an 3			Near Bearing						
Mo	vable Bearin	g								
	ment mber I	Movable	Element Name Bearing		Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	Each
515	;	Steel Pro	tective Coating		1	0	0	0	1	Square Feet
Elemer Numbe	Dofoot T	уре		Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion		heavy corrosion and	d scaling with up to 1/4in	section loss		3	1		Each
515	Effectiveness ( Protective Coa		protective coating h	as failed			4	1		1 Square Feet
	General Comm	ents								

Span 3		Far Bearin	g					
Movable	e Bearing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Be	earing	1	1	0	0	0	Each
515	Steel Protect	ctive Coating	1	1	0	0	0	Square Feet
lement lumber	Defect Type	Defect Desc	cription		CS	CS Qty	Maint Qty	
311 Cor	rosion B	earing has no corrosion.			1	1		Each

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Structure Number: 850126

General Comments

Spa	an 3	Near Bear	ing					
Mov	vable Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Mov	able Bearing	1	0	0	1	0	Each
515	Ste	el Protective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoot Type	e Defect Des	scription		CS	CS Qty	Maint Qty	
311	Corrosion	heavy corrosion and scaling with	up to 1/4in section loss.	•	3	1		Each
515	Effectiveness (Ste Protective Coating				4	1	1	I Square Feet
	General Commen	ts						

Span 3		Far Beari	ng					
Movable	Bearing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	1	0	0	0	Each
515	Steel Pro	otective Coating	1	1	0	0	0	Square Feet
Element Number	Defect Type	Defect De	scription		CS	CS Qty	Maint Qty	
311 Corro	osion	Bearing has no corrosion.			1	1	-	Each
Gener	ral Comments							

Spar	n 3	Near Bea	aring					
Mov	able Bearing							
Elem Num 311	ber	Element Name Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0	
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Element Number	Dofoot Typo	Defect De	escription		CS	CS Qty	Maint Qty	
311	Corrosion	heavy corrosion and scaling with	n up to 1/4in section loss.		3	1		Each
515	Effectiveness (Steel Protective Coatings)	protective coating has failed			4	1		1 Square Feet

Span 3		Far Bearing					
Movabl	e Bearing						
Element Number		ame	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing		1	0	1	0	0 Each
515	Steel Protective Coating		1	1	0	0	0 Square Feet
 Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty

Each

Span 2 beam far bearing has scattered rust and flaking with no measurable section loss.

Span 3	3	Expansio	n Joint					
Strip S	SEal							
Elemen Numbe	• •	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
300	Strip Se	al Expansion Joint	34	31	0	3	0	Feet
Element Number	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
300 Se	eal Adhesion	Expansion joint over end bent 2. to cracking along edge. Material		on due	3	3		Feet
Ger	neral Comments		-					

End	Bent 1	Cap 1						
Reir	nforced Concrete	Pier Cap						
Elen Nun 234		Element Name ced Concrete Pier Cap	Total Qty 36	CS1 Qty 19	CS2 Qty 0	CS3 Qty 17	CS4 Qty 0 F	eet
Elemen Number	Dofoct Typo	Defect Descri	ption		CS	CS Qty	Maint Qty	
234	Delamination/Spall	End bent 1 cap north face bay 1. Ha delaminated area with rebar exposed down 9in x 8ft x 2in deep.			3	6	6	Feet
234	Delamination/Spall	End bent 1 cap north face. Has a cra area with efflorescence and rust stair of beam 3 and extends to right of bea edge down 9in x 11ft long x 1in deep	ns visible. Area be am 4. Area is: from	gins left	3	11	11	Feet
-	General Comments							

Ben	t 1	Cap 1						
Reir	nforced Concrete	Pier Cap						
Nun	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	29	15	0	14	0 F	eet
Elemen Numbe	Dofoot Typo	Defect Descr	iption		CS	CS Qty	Maint Qty	
234	Delamination/Spall	Bent 1 cap north face at beam 3. Hadelaminated area with rebar expose 1/2" deep.			3	2	2	Feet
234	Exposed Rebar	(PAR) Bent 1 cap north face at bean delaminated area with rebar expose back 2", from top edge down 30" x 3 rust and flaking on rebar.	d. Area is: from top	edge	3	6	6	Feet
234	Exposed Rebar	(PAR) Bent 1 cap north face under be and delaminated area with rebar exp edge back 3", from top edge down 2 some heavy rust and flaking to rebar	oosed. Area is: fror 9" x 54" x 1 1/2" de	n top	3	6	6	Feet
	General Comments							

Ben	nt 1	Pile 1						
Rei	nforced Concrete	Column						
	ment mber Reinford	Element Name red Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 E	ach
Elemen Numbe	Dofoot Typo	Defect Descript	ion		CS	CS Qty	Maint Qty	
205	Delamination/Spall	Bent 1 pile 1 southwest corner. Has a delaminated area. Area on west face is: 9" x 60" x 2" deep.		uth face	3		5	Each
205	Exposed Rebar	(PAR) Bent 1 pile 1 northwest corner h delaminated area. Located 16" below north face is: 6", area on west face is: 9	bottom of cap. A		3	1	8	Each
	General Comments							

End	Bent 2	Cap 1						
Reir	nforced Concrete	Pier Cap						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	36	24	12	0	0 Feet	
Elemen Numbe	Dofoot Typo	Defect Desc	ription		CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	End bent 2 has scattered cracks.			2	12	Feet	
	General Comments							

Ben	t 2	Cap 1						
Reir	nforced Concrete	Pier Cap						
Nun	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty 0 Fe	
234 Elemen		ed Concrete Pier Cap	29	0	0	29	Maint	eet
Numbe	Defect Tune	Defect Description			CS	CS Qty	Qty	
234	Delamination/Spall	Bent 2 cap south face and bottom between crack/spall and delaminated area with reba from bottom edge up 18", from bottom edge x 2" deep.	r exposed. A	Area is:	3	6	6	Feet
234	Delamination/Spall	Bent 2 cap south face and bottom has a cradelaminated area with rebar exposed at be bottom edge up 11", from bottom edge backep.	am 3 <sup>°</sup> . Area i	s: from	3	2	5	Feet
234	Delamination/Spall	Bent 2 cap south face under beam 2. Has delaminated area. Area is: from top edge deep.			3		3	Feet
234	Exposed Rebar	(PAR) Bent 2 cap bottom and north face at crack/spall and delaminated area with reba from bottom edge up 12", from bottom edge 5" deep.	r exposed. A	Area is:	3	5	5	Feet
234	Exposed Rebar	(PAR) Bent 2 cap north face at beam 1. He delaminated area with rebar exposed. Are back 2", from bottom edge back 7", from to x 2" deep with heavy rust and flaking on rel	a is: from top p down 29" x	edge	3		10	Feet
234	Exposed Rebar	(PAR) Bent 2 cap top, north face and botto crack/spall and delaminated area with reba from top down 28", from top edge back 2", back 7" x 48".	r exposed. A	Area is:	3	8	8	Feet
234	Exposed Rebar	(PAR) Bent 2 cap top, north face in bay 3. and delaminated area with rebar exposed. edge down 16", from edge back 12" x 7' x 6	Area is: from		3	8	8	Feet

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234	Cracking (RC and Other)	Bent 2 cap south face at beam 2. Has a crack and delaminated area. Area is: from bottom edge up 9", from edge back 6" x 34".	2	Feet
234	Cracking (RC and Other)	Bent 2 cap south face at beam 3. Has a cracked and delaminated area. Area is: from top edge down 6" x 56".	2	Feet
234	Delamination/Spall	Bent 2 cap north face under beam 2. Has a crack/spall and delaminated area. Area is: from top edge down 16", from edge back 2" x 60". Spall area is: 5" x 3" x 1" deep.	2	5 Feet
	General Comments			

Bent 2		Pile 1						
Reinfo	rced Concrete	Column						
Elemen Numbe 205	er	Element Name ced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
Element Number	Defect Type	Defect Des	scription		CS	CS Qty	Maint Qty	
	racking (RC and ther)	Bent 2 pile 1 northeast corner. Harea located 36" below cap. Area north face is: 8" x 20".			2	1	-	Each
Ger	neral Comments							

Bent 2		Pile 2					
Reinfo	rced Concrete	Column					
Elemen Numbe 205	r	Element Name ced Concrete Column	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0 Each
Element Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty
205 De	elamination/Spall	Bent 2 pile 2 northeast corner. Ha delaminated area located 23" from face is: 7", area on north face is: 1	n bottom of cap. Area		2	1	6 Each
Ger	neral Comments						

Bent 2		Pile 8						
Timber	· Pile							
Elemen Numbe		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Approach	1						
Reinforce	d Concrete A	Approach Slab					
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
321	Reinforce	d Concrete Approach Slabs	350	295	0	55	0 Square Feet
Element Number D	efect Type	Defect Descrip	otion		cs	CS Qty	Maint Qty
321 Abrasio	on/Wear	full width by 2ft of missing aws at joint	t		3	40	Square Feet

(PSC/RC)

321 Cracking (RC and full length by 1/8in crack along center of approach slab 3 15 Square Feet

Other)

General Comments

Approach has been paved over with aws

Approa	ch 2							
Reinfor	ced Concrete App	roach Slab						
Element Number 321		Element Name oncrete Approach Slabs	Total Qty 350	CS1 Qty 350	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0	Square Feet
Element Number	Defect Type	Defect Description	1		CS	CS Qty	Maint Qty	

General Comments

Approach has been paved over with aws

## **Elements Verfied**

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1850
Span 1	Beam 1	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 1	Beam 2	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 1	Beam 3	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 1	Beam 4	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 1	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	56
Span 1	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	56
Span 1	Expansion Joint	Strip SEal	Strip Seal Expansion Joint	33
Span 1	Near Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1839
Span 2	Beam 1	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 2	Beam 2	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 2	Beam 3	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 2	Beam 4	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 2	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	55
Span 2	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	55
Span 2	Expansion Joint	Standard Joint	Pourable Joint Seal	34
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1850
Span 3	Beam 1	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 3	Beam 2	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 3	Beam 3	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 3	Beam 4	Prestressed Concrete Girder	Prestressed Concrete Open Girder/Beam	55
Span 3	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	56
Span 3	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	56
Span 3	Expansion Joint	Strip SEal	Strip Seal Expansion Joint	34
Span 3	Expansion Joint	Strip SEal	Strip Seal Expansion Joint	34
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1

## **Elements Verfied**

Location	Name	Component	Element Name	Amount
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3 Near Bearing		Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	29
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	50
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	29
Bent 2	Pile 1	Reinforced Concrete Column	Column Reinforced Concrete Column	
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	50

# **General Inspection Notes**

Span 2	Right Bridge Rail
Span 3	Far Bearing

# National Bridge and NC Inspection Items

Structure Number: 850126 Inspection Date: 07/02/2019

### National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	6
Item 59: Superstructure	0 - 9 , N	4
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	40	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation		G		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Superstructure Paint Code				

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

### Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	12
Traffic Control Time	Hours	0
Snooper Time	Hours	0
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

# National Bridge and NC SMU Inspection Item Details

Structure Number: 850126 Inspection Date: 07/02/2019

Item	Deck - Item 58	Grade 6	Maint Code	Qty.	0	
Details	s unsound patches and spalls with exposed rebar in top and bottom of deck					
Item	Superstructure - Item 59	Grade 4	Maint Code	Qty.	0	
Details	s girder ends have spalls with exposed prestressing strands					
Item	Substructure - Item 60	Grade 4	Maint Code	Qty.	0	
Details	s delamination with spalls and exposed rebar and section loss in caps and columns					
Item	Priority Maintenance Issued	Grade Y	Maint Code	Qty.	0	
Details	Details (PAR) spalls with exposed rebar in end diaphragms at bent 1 and bent 2  (PAR) girder ends have spalls with exposed prestressing strands  (PAR) 30ft of impact damage to far left guardrail, 50ft from bridge					
	(PAR) near right slope protection is undermind 4ft deep x 3ft x 9in					
	(PAR) delamination with spalls and exposed rebar and s	ection loss in ca	aps and columns			
Item	Slope Protection	Grade F	Maint Code 3352	Qty.	40	

Details (PAR) near right slope protection is undermind 4ft deep x 3ft x 9in



Approach 1: full width by 2ft of missing asphalt wearing surface at joint



Span 1 Deck: top of deck left lane has scattered patches. patches are from: 10" x 10" up to 20" x 20".



Span 1 Deck: (PAR) 1ft diameter by 1in spall with exposed rebar in left lane at bent 1 joint



Span 1 Left Bridge Rail: has torn areas due to impact damage.



Span 2 Left Bridge Rail: has torn areas due to impact damage.



(PAR) 20ft impact damage to far left guardrail at end bent 2



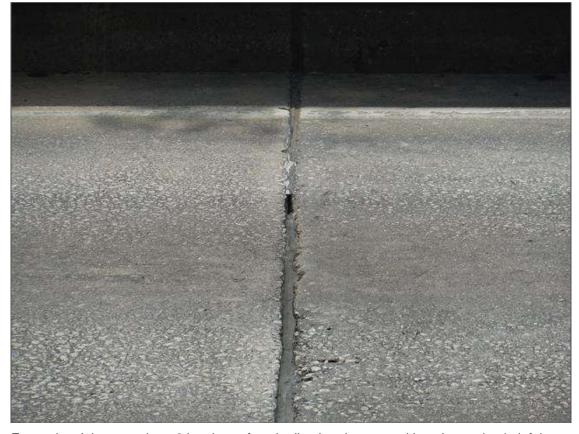
2ft x 1in spall to far left curb on approach



Expansion Joint : over end bent 2 has loss of seal adhesion due to cracking along edge. Material is missing in right lane.



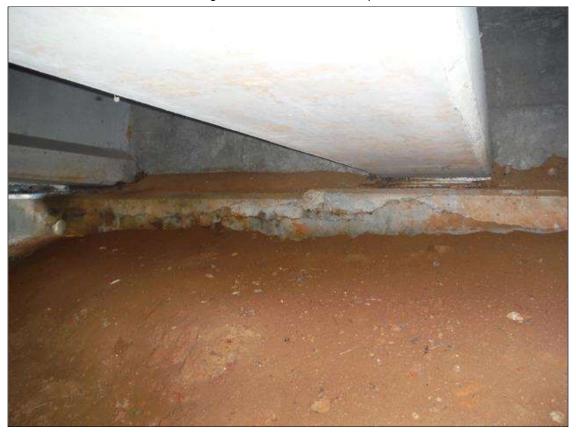
Span 3 Deck: 3ft x 6in x 1in deep cracking and spall in left lane at end bent 2 joint



Expansion Joint: over bent 2 has loss of seal adhesion due to cracking along edge in left lane.



End Bent 1 Cap 1: north face bay 1, has a crack/spall and delaminated area with rebar exposed. Area is: from top edge down 9in x 8ft x 2in deep.



End Bent 1 Cap 1: north face has a crack/spall and delaminated area with efflorescence and rust stains visible. Area begins left of beam 3 and extends to right of beam 4. Area is: from top edge down 9in x 11ft long x 1in deep.



(PAR) near right slope protection is undermind 4ft deep x 3ft x 9in



Span 1 Beam 1 Near Bearing: has scattered rust and flaking, anchor nut has 50 percent section loss.



Span 1 Beam 2 Near Bearing: surface corrosion and covered in dirt.



Span 1 Beam 1: (PAR) right bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed.

Area is: from bottom up 8" x 11" x 2" deep with minor section loss to strands.



Span 1 Beam 1: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 1.



Span 1 Beam 2: (PAR) left bottom flange at bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 9" x 10" x 2" deep with minor section loss to strands.



Span 1 Beam 2 Far Bearing: heavy corrosion and scaling with up to 1/4in section loss, typical all bearing at bent 1 and bent 2.



Span 2 Beam 2: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed.

Area is: from bottom up 8" x 8" x 2" deep with minor section loss to strands.



Span 2 Beam 3: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed.

Area is: from bottom up 8" x 12" x 2" deep with minor section loss to strands.



Span 1 Beam 2: (PAR) 3ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 1.



Span 1 Beam 3: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 1.



Bent 1 Pile 1: (PAR) northwest corner has a crack/spall and delaminated area. Located 16" below bottom of cap. Area on north face is: 6", area on west face is: 9" x 92" long.



Bent 1 Pile 1: Bent 1 pile 1 southwest corner. Has a crack/spall and delaminated area. Area on west face is: 5", area on south face is: 9" x 60" x 2" deep.



Span 1 Beam 3: (PAR) right bottom flange over bent 1. Has a crack/spall and delaminated area with 2 cables exposed.

Area is: from bottom up 8" x 8" x 2" deep with minor section loss to strands.



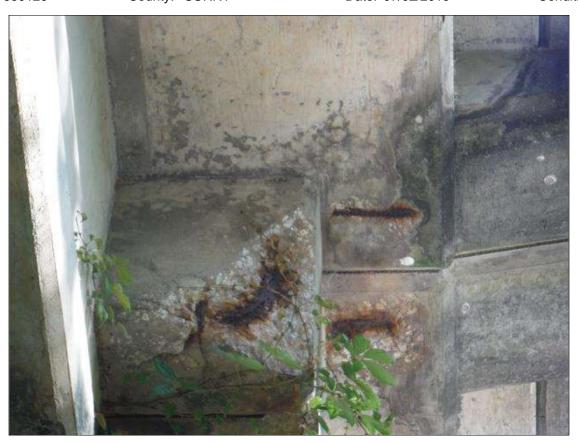
Span 2 Beam 3: (PAR) right bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed.

Area is: from bottom up 8" x 8" x 2" deep with minor section loss to strands.



Span 2 Beam 4: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed.

Area is: from bottom up 9" x 9" x 2" deep with minor section loss to strands.



Span 1 Beam 4: (PAR) 2ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 1.



Span 1 Beam 4: (PAR) right bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed.

Area is: from bottom up 10" x 17" x 2" deep with minor section loss to strands.



Span 2 Beam 4: (PAR) right bottom over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 10" x 14" x 2" deep with minor section loss to strands.



Bent 2 Cap 1: cap south face and bottom between piles 1 and 2. Has a crack/spall and delaminated area with rebar exposed. Area is: from bottom edge up 18", from bottom edge back 21" x 60" long x 2" deep.



Span 2 Beam 1: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2



Span 2 Beam 2: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2



Span 2 Beam 3: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2



Span 1 Beam 1: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom edge up 8" x 21" x 2" deep with minor section loss to strands.



Span 2 Beam 1: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated with 3 cables exposed. Area is: from bottom edge up 8" x 11" x 2" deep with some section loss to strands.



vegetation over growth on bent 1 and bent 2



Span 2 Beam 1: (PAR) 3ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 1



Span 2 Beam 2: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm



Bent 1 Cap 1: (PAR) cap north face at beam 4. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge back 2", from top edge down 30" x 36" x 2" deep. With heavy rust and flaking on rebar.



Bent 1 Cap 1: (PAR) cap north face under beam 1. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge back 3", from top edge down 29" x 54" x 1 1/2" deep with some heavy rust and flaking to rebar.



Span 3 Beam 1: (PAR) right bottom flange over bent 2. Has a crack/spall and delaminated area with 3 cables exposed.

Area is: from bottom up 7" x 9" x 1 1/2" deep with some section loss to strands.



Span 3 Beam 2: (PAR) left bottom flange at bent 2. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 11" x 1 1/2" deep. Strands appear to have some section loss.



Span 2 Beam 3: (PAR) left bottom flange over bent 2. Has a crack/spall and delaminated area with cables exposed.

Area is: from bottom up 8" x 10" x 2" deep with some section loss to strands.



Span 3 Beam 1: (PAR) 2ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2



Bent 2 Cap 1: (PAR) cap north face at beam 1. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge back 2", from bottom edge back 7", from top down 29" x 7' long x 2" deep with heavy rust and flaking on rebar.



Bent 2 Cap 1: (PAR) cap top, north face and bottom at beam 4. Has a crack/spall and delaminated area with rebar exposed. Area is: from top down 28", from top edge back 2", from bottom edge back 7" x 48".



Bent 2 Cap 1: (PAR) cap bottom and north face at beam 3. Has a crack/spall and delaminated area with rebar exposed. Area is: from bottom edge up 12", from bottom edge back 7" x 43" long x 5" deep.



Span 3 Beam 2: (PAR) 3ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2



Bent 2 Cap 1: (PAR) cap top, north face in bay 3. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge down 16", from edge back 12" x 7' x 6" deep.



Span 2 Beam 3: (PAR) right bottom flange over bent 2. Has a crack/spall and delaminated area with 3 cables exposed.

Area is: from bottom edge up 8" x 10" x 2" deep. Strands appear to have some section loss.



Span 3 Beam 3: (PAR) right bottom flange over bent 2. Has a crack/spall and delaminated area with 3 cables exposed.

Area is: from bottom up 8" x 10" x 2" deep. Strands appear to have some section loss.



Span 2 Beam 4: (PAR) right bottom flange over bent 2. Has a crack/spall and delaminated area with 3 cables exposed. Area is: 8" x 13" x 1 1/2" deep with some section loss on strands.



Span 3 Beam 4: (PAR) right bottom flange over bent 2. Has a spalled area with 3 cables exposed. Area is: 8" x 15" x 2" deep with some section loss to strands.

# Stream Bed Soundings (Profile diagram on following sheet)

County SURRY Inspection Date 07/02/2019 Structure Number: 850126

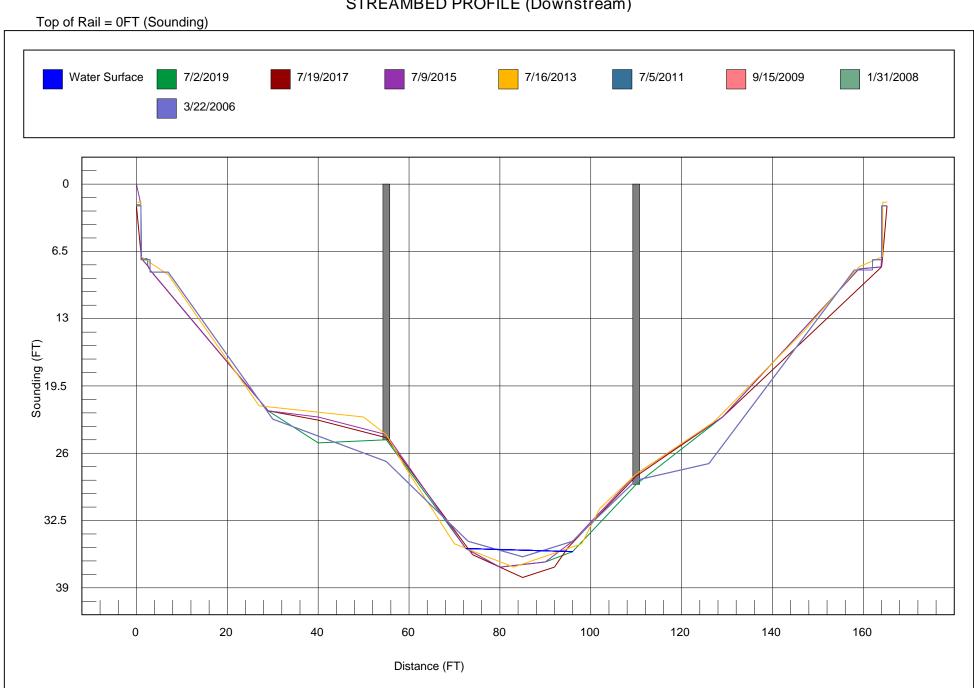
Sounding recorded from: Top of Bridge Rail

Highwater Mark Distance Location of Highwater Mark

	1 -		,
Distance	Downstream	Upstream	Description
(Station) ft.	Sounding ft.	Sounding ft.	Description
0.000	2.000	0.000	top of fillface
1.000	2.000	0.000	
1.100	7.200	0.000	top of cap
2.400	7.200	0.000	
2.500	7.900	7.600	face of cap
3.000	8.300	0.000	top of slope
29.000	21.900	0.000	toe of slope
40.000	25.000	0.000	
55.000	24.700	28.500	bent 1
72.500	35.200	0.000	wswe
80.000	37.000	0.000	
90.000	36.500	0.000	
96.000	35.500	0.000	wswe
110.000	29.000	27.700	bent 2
129.000	22.500	0.000	toe of slope
159.000	8.200	0.000	top of slope
163.900	8.000	7.800	face of cap
164.000	7.200	0.000	top of cap
164.200	2.100	0.000	top of front face
165.200	2.100	0.000	top of fillface

Bridge: 850126 County: SURRY Date: 07/02/2019

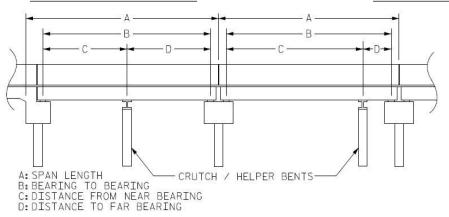
### STREAMBED PROFILE (Downstream)



#### Structure Data Worksheet

#### Span Profile





Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	55.083	53.167			
2	54.917	53.417			
3	55.250	53.330			



looking north



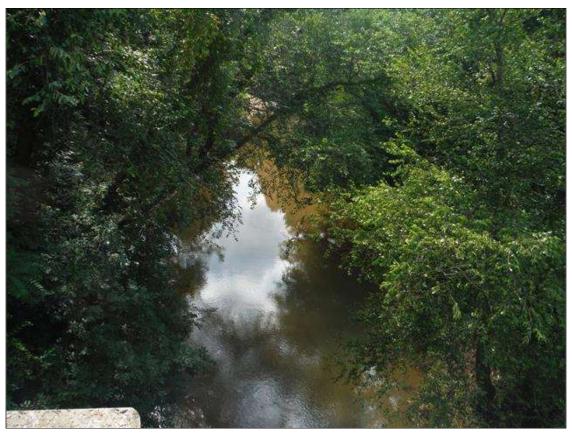
near left drainage structure



left guardrail



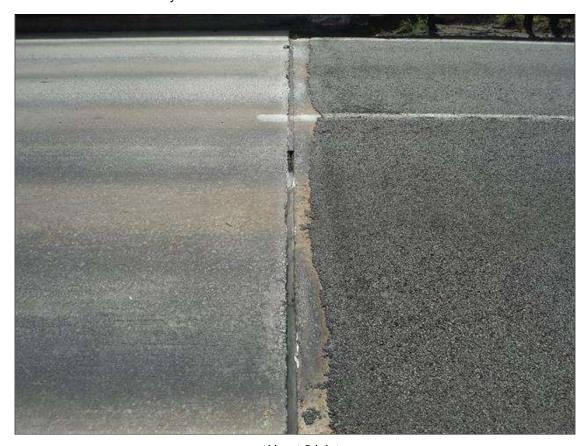
end bent 1 expansion joint



looking downstream



looking south



end bent 2 joint



looking upstream



downstream structure profile



upstream structure profile



span 1 bay 3 intermediate diaphragm



bent 1



end bent 1



span 2 superstructure



end bent 2

## BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 850126 County SURRY 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	1	Span 1 Beam 1: (PAR) right bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 11" x 2" deep with minor section loss to strands.	
3306	Maintain Concrete Superstructure Components	SF	4	Span 1 Beam 1: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm.	
3306	Maintain Concrete Superstructure Components	SF	2	Span 1 Beam 1: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed.  Area is: from bottom edge up 8" x 21" x 2" deep with minor section loss to strands.	
3306	Maintain Concrete Superstructure Components	SF	1	Span 1 Beam 2: (PAR) left bottom flange at bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 9" x 10" x 2" deep with minor section loss to strands.	
3306	Maintain Concrete Superstructure Components	SF	3	Span 1 Beam 2: (PAR) 3ft x 8in x 2in deep spall with exposed rebar in end diaphragm	
3306	Maintain Concrete Superstructure Components	SF	4	Span 1 Beam 3: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm	
3306	Maintain Concrete Superstructure Components	SF	1	Span 1 Beam 3: (PAR) right bottom flange over bent 1. Has a crack/spall and delaminated area with 2 cables exposed. Area is: from bottom up 8" x 8" x 2" deep with minor section loss to strands.	
3306	Maintain Concrete Superstructure Components	SF	2	Span 1 Beam 4: (PAR) 2ft x 8in x 2in deep spall with exposed rebar in end diaphragm	
3306	Maintain Concrete Superstructure Components	SF	2	Span 1 Beam 4: (PAR) right bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 10" x 17" x 2" deep with minor section loss to strands.	
3306	Maintain Concrete Superstructure Components	SF	4	Span 2 Beam 1: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2	

Bridge: 850126 County SURRY Date:

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3306	Maintain Concrete Superstructure Components	SF	1	Span 2 Beam 1: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated with 3 cables exposed. Area is: from bottom edge up 8" x 11" x 2" deep with some section loss to strands.	
3306	Maintain Concrete Superstructure Components	SF	3	Span 2 Beam 1: (PAR) 3ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 1	
3306	Maintain Concrete Superstructure Components	SF	1	Span 2 Beam 2: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 8" x 2" deep with minor section loss to strands.	
3306	Maintain Concrete Superstructure Components	SF	4	Span 2 Beam 2: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2	
3306	Maintain Concrete Superstructure Components	SF	4	Span 2 Beam 2: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 1	
3306	Maintain Concrete Superstructure Components	SF	1	Span 2 Beam 3: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8? x 12" x 2" deep with minor section loss to strands.	
3306	Maintain Concrete Superstructure Components	SF	1	Span 2 Beam 3: (PAR) right bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 8" x 2" deep with minor section loss to strands.	
<b>3306</b>	Maintain Concrete Superstructure Components	SF	4	Span 2 Beam 3: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2	
3306	Maintain Concrete Superstructure Components	SF	1	Span 2 Beam 3: (PAR) left bottom flange over bent 2. Has a crack/spall and delaminated area with cables exposed.  Area is: from bottom up 8" x 10" x 2" deep with some section loss to strands.	

Bridge: 850126 County SURRY Date:

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3306	Maintain Concrete Superstructure Components	SF	1	Span 2 Beam 3: (PAR) right bottom flange over bent 2. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom edge up 8" x 10" x 2" deep. Strands appear to have some section loss.	
3306	Maintain Concrete Superstructure Components	SF	1	Span 2 Beam 4: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 9" x 9" x 2" deep with minor section loss to strands.	
3306	Maintain Concrete Superstructure Components	SF	2	Span 2 Beam 4: (PAR) right bottom over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 10" x 14" x 2" deep with some section loss to strands.	
3306	Maintain Concrete Superstructure Components	SF	2	Span 2 Beam 4: (PAR) right bottom flange over bent 2. Has a crack/spall and delaminated area with 3 cables exposed. Area is: 8" x 13" x 1 1/2" deep with some section loss on strands.	
3306	Maintain Concrete Superstructure Components	SF	1	Span 3 Beam 1: (PAR) right bottom flange over bent 2. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 7" x 9" x 1 1/2" deep with some section loss to strands.	
<b>3306</b>	Maintain Concrete Superstructure Components	SF	2	Span 3 Beam 1: (PAR) 2ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2	
3306	Maintain Concrete Superstructure Components	SF	1	Span 3 Beam 2: (PAR) left bottom flange at bent 2. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 11" x 1 1/2" deep. Strands appear to have some section loss.	
3306	Maintain Concrete Superstructure Components	SF	3	Span 3 Beam 2: (PAR) 3ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2	
3306	Maintain Concrete Superstructure Components	SF	1	Span 3 Beam 3: (PAR) right bottom flange over bent 2. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 10" x 2" deep. Strands appear to have minor section loss.	



Bridge: 850126 County SURRY Date:

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3326	Maintain Concrete Deck	SF	1	Span 1 Deck: (PAR) 1ft diameter by 1in spall with exposed rebar in left lane at bent 1 joint	
3348	Maintain Concrete Substructure Components	LF	6	Bent 1 Cap 1: (PAR) cap north face at beam 4. Has a crack/spall and delaminated area with rebar exposed.  Area is: from top edge back 2", from top edge down 30" x 36" x 2" deep. With heavy rust and flaking on rebar.	
3348	Maintain Concrete Substructure Components	LF	6	Bent 1 Cap 1: (PAR) cap north face under beam 1. Has a crack/spall and delaminated area with rebar exposed.  Area is: from top edge back 3", from top edge down 29" x 54" x 1 1/2" deep with some heavy rust and flaking to rebar.	
3348	Maintain Concrete Substructure Components	LF	8	Bent 1 Pile 1: (PAR) northwest corner has a crack/spall and delaminated area. Located 16" below bottom of cap. Area on north face is: 6", area on west face is: 9" x 92" long.	
3348	Maintain Concrete Substructure Components	LF	10	Bent 2 Cap 1: (PAR) cap north face at beam 1. Has a crack/spall and delaminated area with rebar exposed.  Area is: from top edge back 2", from bottom edge back 7", from top down 29" x 10' long x 2" deep with heavy rust and flaking on rebar.	
3348	Maintain Concrete Substructure Components	LF	8	Bent 2 Cap 1: (PAR) cap top, north face and bottom at beam 4. Has a crack/spall and delaminated area with rebar exposed. Area is: from top down 28", from top edge back 2", from bottom edge back 7" x 48".	
3348	Maintain Concrete Substructure Components	LF	5	Bent 2 Cap 1: (PAR) cap bottom and north face at beam 3. Has a crack/spall and delaminated area with rebar exposed.  Area is: from bottom edge up 12", from bottom edge back 7" x 43" long x 5" deep.	
3348	Maintain Concrete Substructure Components	LF	8	Bent 2 Cap 1: (PAR) cap top, north face in bay 3. Has a crack/spall and delaminated area with rebar exposed. Area is: from top edge down 16", from edge back 12" x 7' x 6" deep.	
0	No Maintenance Required	NA	20	(PAR) 20ft impact damage to far left guardrail at end bent 2	

Bridge: 850126 County SURRY Date:

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3352	Maint Slope Protection	SF	3	(PAR) near right slope protection is undermined 4ft deep x 3ft x 9in	



Bridge: 850126 County SURRY

MMS Code	MMS Descri	otion		Quantity			
3306	Maintain Con	ntain Concrete Superstructure Components 1					
Location:	Location:						
		Bent/Span No.					
Priority Leve	I	Status	Status				
Priority Main	tenance	Division Bridge Maintenance Notification					
Submitted Da	ate: Submitte	ed By:	Assisted By:				
07/02/2019	Kyle H.	Compton					
Details							
		bottom flange over bent 1. Has a commup 8" x 11" x 2" deep with minor	crack/spall and delaminated area wit r section loss to strands.	h 3 cables			

MMS Code	MN	MMS Description					
3306	Mai	ntain Cond	crete Superstructure Components		4	SF	
Location:							
			Bent/Span No.				
Priority Leve	el		Status				
Priority Mair	ntenan	ce	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
07/02/2019		Kyle H.	Compton				
Details							
Span 1 Bea	m 1: (I	PAR) 4ft x	8in x 2in deep spall with exposed r	ebar in end diaphragm.			

Bridge: 850126 County SURRY

MMS Code	MMS D	escrip	otion		Quantity	
3306	Maintain	ntain Concrete Superstructure Components			2	SF
Location:	Location:					
			Bent/Span No.			
Priority Leve	I		Status			
Priority Main	tenance		Division Bridge Maintenance Notification			
Submitted D	ate: Sub	omitte	d By:	Assisted By:		
07/02/2019	Ку	/le Η.	Compton			
Details						
			ottom flange over bent 1. Has a crom edge up 8" x 21" x 2" deep with	ack/spall and delaminated area with minor section loss to strands.	3 cables	

MMS Code	MN	//S Descrip	otion		Quantity		
3306	Mai	ntain Cond	crete Superstructure Components		1	SF	
Location:							
			Bent/Span No.				
Priority Level			Status				
Priority Main	itenan	се	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
07/02/2019		Kyle H.	Compton				
Details							
			oottom flange at bent 1. Has a crac 10" x 2" deep with minor section lo	k/spall and delaminated area with 3 os to strands.	cables expos	sed.	

Bridge: 850126 County SURRY

MMS Code	MMS Des	cript	tion		Quantity		
3306	Maintain C	aintain Concrete Superstructure Components					
Location:	Location:						
			Bent/Span No.				
Priority Leve	ı		Status				
Priority Main	tenance		Division Bridge Maintenance Notification				
Submitted D	ate: Subn	itted	l By:	Assisted By:			
07/02/2019	Kyle	H. C	Compton				
Details							
Span 1 Bear	Span 1 Beam 2: (PAR) 3ft x 8in x 2in deep spall with exposed rebar in end diaphragm						

MMS Code	MN	MMS Description Quantity					
3306	Maii	ntain Cond	crete Superstructure Components		4	SF	
Location:							
			Bent/Span No.				
Priority Leve	el		Status	Status			
Priority Main	itenan	ce	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
07/02/2019		Kyle H.	Compton				
Details							
Span 1 Bear	m 3: (F	PAR) 4ft x	8in x 2in deep spall with exposed r	ebar in end diaphragm			

Bridge: 850126 County SURRY

MMS Code	MMS Descri	ption		Quantity		
3306	Maintain Con	nintain Concrete Superstructure Components 1 SF				
Location:						
		Bent/Span No.				
Priority Leve	I	Status				
Priority Main	tenance	Division Bridge Maintenance Notification				
Submitted Da	ate: Submitte	ed By:	Assisted By:			
07/02/2019	Kyle H.	Compton				
Details						
		t bottom flange over bent 1. Has a om up 8" x 8" x 2" deep with minor	crack/spall and delaminated area wit section loss to strands.	h 2 cables		

MMS Code	MN	MMS Description Quantity				
3306	Mai	ntain Cond	crete Superstructure Components		2	SF
Location:						
			Bent/Span No.			
Priority Leve	ıl	_	Status			
Priority Main	tenan	ce	Division Bridge Maintenance Notification			
Submitted D	ate:	Submitte	d By:	Assisted By:		
07/02/2019		Kyle H.	Compton			
Details						
Span 1 Bear	n 4: (I	PAR) 2ft x	8in x 2in deep spall with exposed r	ebar in end diaphragm		

Bridge: 850126 County SURRY

MMS Code	MMS	Descrip	tion		Quantity		
3306	Mainta	Maintain Concrete Superstructure Components			2	SF	
Location:	Location:						
	Bent/Span No.						
Priority Level			Status				
Priority Main	tenance		Division Bridge Maintenance Notification				
Submitted D	ate: Si	ubmitted	d By:	Assisted By:			
07/02/2019	k	Kyle H. (	Compton				
Details							
	Span 1 Beam 4: (PAR) right bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 10" x 17" x 2" deep with minor section loss to strands.						

MMS Code	MN	MMS Description			Quantity		
3306	Mai	ntain Cond	crete Superstructure Components		4	SF	
Location:							
			Bent/Span No.				
Priority Leve	el		Status				
Priority Main	itenan	ce	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
07/02/2019		Kyle H.	Compton				
Details							
Span 2 Bear	Span 2 Beam 1: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2						

Bridge: 850126 County SURRY

MMS Code	MMS Descri	ption		Quantity			
3306	Maintain Con	laintain Concrete Superstructure Components			SF		
Location:							
		Bent/Span No.					
Priority Leve	I	Status	Status				
Priority Main	tenance	Division Bridge Maintenance Notification					
Submitted Da	ate: Submitte	ed By:	Assisted By:				
07/02/2019	Kyle H.	Compton					
Details							
	Span 2 Beam 1: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated with 3 cables exposed. Area is: from bottom edge up 8" x 11" x 2" deep with some section loss to strands.						

MMS Code	MN	MMS Description					
3306	Maii	ntain Cond	crete Superstructure Components		3	SF	
Location:							
			Bent/Span No.				
Priority Leve	ı		Status				
Priority Main	tenan	се	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
07/02/2019		Kyle H.	Compton				
Details							
Span 2 Bear	Span 2 Beam 1: (PAR) 3ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 1						

Bridge: 850126 County SURRY

MMS Code	MMS Descri	ption		Quantity			
3306	Maintain Con	laintain Concrete Superstructure Components			SF		
Location:							
		Bent/Span No.					
Priority Leve	ı	Status	Status				
Priority Main	tenance	Division Bridge Maintenance Notification					
Submitted Da	ate: Submitte	ed By:	Assisted By:				
07/02/2019	Kyle H.	Compton					
Details							
	Span 2 Beam 2: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 8" x 2" deep with minor section loss to strands.						

MMS Code	MN	MMS Description				
3306	Mai	ntain Cond	crete Superstructure Components		4	SF
Location:						
			Bent/Span No.			
Priority Leve	el		Status			
Priority Main	itenan	ce	Division Bridge Maintenance Notification			
Submitted D	ate:	Submitte	d By:	Assisted By:		
07/02/2019		Kyle H.	Compton			
Details						
Span 2 Bear	Span 2 Beam 2: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2					

Bridge: 850126 County SURRY

MMS Code	MN	//S Descrip	otion		Quantity			
3306	Maiı	Maintain Concrete Superstructure Components			4	SF		
Location:	Location:							
			Bent/Span No.					
Priority Leve	el		Status	Status				
Priority Main	itenan	ce	Division Bridge Maintenance Notification					
Submitted D	ate:	Submitte	d By:	Assisted By:				
07/02/2019		Kyle H.	Compton					
Details								
Span 2 Bear	Span 2 Beam 2: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 1							

MMS Code	MN	MMS Description					
3306	Maii	ntain Cond	crete Superstructure Components		1	SF	
Location:							
			Bent/Span No.				
Priority Level			Status				
Priority Main	itenan	ce	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
07/02/2019		Kyle H.	Compton				
Details							
	Span 2 Beam 3: (PAR) left bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8? x 12" x 2" deep with minor section loss to strands.						

Bridge: 850126 County SURRY

MMS Code	MMS	S Descrip	otion		Quantity			
3306	Mainta	ntain Concrete Superstructure Components			1	SF		
Location:	Location:							
			Bent/Span No.					
Priority Leve	ıl		Status	Status				
Priority Main	tenance	Э	Division Bridge Maintenance Notification					
Submitted D	ate: S	Submitte	d By:	Assisted By:				
07/02/2019		Kyle H.	Compton					
Details								
	Span 2 Beam 3: (PAR) right bottom flange over bent 1. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 8" x 2" deep with minor section loss to strands.							

MMS Code	MN	MMS Description				
3306	Mai	ntain Cond	crete Superstructure Components		4	SF
Location:						
			Bent/Span No.			
Priority Leve	ıl	_	Status			
Priority Main	tenan	ce	Division Bridge Maintenance Notification			
Submitted D	ate:	Submitte	d By:	Assisted By:		
07/02/2019		Kyle H.	Compton			
Details						
Span 2 Bear	Span 2 Beam 3: (PAR) 4ft x 8in x 2in deep spall with exposed rebar in end diaphragm at bent 2					

Bridge: 850126 County SURRY

MMS Code	MMS	Descrip	otion		Quantity		
3306	Mainta	Maintain Concrete Superstructure Components			1	SF	
Location:	Location:						
			Bent/Span No.				
Priority Level			Status				
Priority Maint	tenance		Division Bridge Maintenance Notification				
Submitted Da	ate: Si	ubmitte	d By:	Assisted By:			
07/02/2019	ŀ	Kyle H. (	Compton				
Details							
			ottom flange over bent 2. Has a cr 10" x 2" deep with some section lo	ack/spall and delaminated area with ss to strands.	cables expo	osed.	

MMS Code	MN	//S Descrip	otion		Quantity		
3306	Maii	Maintain Concrete Superstructure Components 1					
Location:							
			Bent/Span No.				
Priority Leve	Priority Level		Status				
Priority Main	itenan	ce	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
07/02/2019		Kyle H.	Compton				
Details							
Span 2 Beam 3: (PAR) right bottom flange over bent 2. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom edge up 8" x 10" x 2" deep. Strands appear to have some section loss.							

Bridge: 850126 County SURRY

MMS Code	MMS I	Descrip	otion		Quantity		
3306	Maintai	ntain Concrete Superstructure Components			1	SF	
Location:	Location:						
			Bent/Span No.				
Priority Leve	1		Status				
Priority Maintenance			Division Bridge Maintenance Noti	fication	1 SF		
Submitted Da	ate: Su	ubmitte	d By:	Assisted By:			
07/02/2019	К	Kyle H.	Compton				
Details							
			ottom flange over bent 1. Has a cr om up 9" x 9" x 2" deep with minor :	ack/spall and delaminated area with section loss to strands.	3 cables		

MMS Code	MN	MMS Description Quantity							
3306	Mai	Maintain Concrete Superstructure Components 2 SI							
Location:									
			Bent/Span No.						
Priority Level			Status						
Priority Main	ntenan	ice	Division Bridge Maintenance Noti	fication					
Submitted D	ate:	Submitte	d By:	Assisted By:					
07/02/2019		Kyle H.	Compton						
Details									
			bottom over bent 1. Has a crack/s x 14" x 2" deep with some section I	pall and delaminated area with 3 caboss to strands.	oles exposed	d.			

Bridge: 850126 County SURRY

MMS Code	MMS Descrip	otion		Quantity		
3306	Maintain Cond	laintain Concrete Superstructure Components			SF	
Location:	Location:					
		Bent/Span No.				
Priority Level		Status				
Priority Maintenance		Division Bridge Maintenance Noti	fication	2 SF		
Submitted Da	ate: Submitte	ed By:	Assisted By:			
07/02/2019	Kyle H.	Compton				
Details						
		bottom flange over bent 2. Has a a 1 1/2" deep with some section loss	crack/spall and delaminated area wit s on strands.	h 3 cables		

MMS Code	MN	MMS Description Quantity						
3306	Mai	Maintain Concrete Superstructure Components 1				SF		
Location:								
			Bent/Span No.					
Priority Level			Status					
Priority Main	itenan	ice	Division Bridge Maintenance Noti	fication				
Submitted D	ate:	Submitte	d By:	Assisted By:				
07/02/2019		Kyle H.	Compton					
Details								
			bottom flange over bent 2. Has a om up 7" x 9" x 1 1/2" deep with so	crack/spall and delaminated area wit me section loss to strands.	h 3 cables			

Bridge: 850126 County SURRY

MMS Code	MMS Descri	MMS Description					
3306	Maintain Con	Maintain Concrete Superstructure Components					
Location:							
		Bent/Span No.					
Priority Leve	I	Status					
Priority Maintenance		Division Bridge Maintenance Noti	dge Maintenance Notification				
Submitted D	ate: Submitte	ed By:	Assisted By:				
07/02/2019	Kyle H.	Compton					
Details							
Span 3 Bear	n 1: (PAR) 2ft x	8in x 2in deep spall with exposed r	ebar in end diaphragm at bent 2				

MMS Code	N // N	MMS Description Quantity						
IVIIVIS Code	IVIIV	no Descrip	DUOTI		Quantity			
3306	Maii	ntain Cond	crete Superstructure Components		1	SF		
Location:								
			Bent/Span No.					
Priority Level			Status					
Priority Main	itenan	ce	Division Bridge Maintenance Noti	fication				
Submitted D	ate:	Submitte	d By:	Assisted By:				
07/02/2019		Kyle H.	Compton					
Details								
	Span 3 Beam 2: (PAR) left bottom flange at bent 2. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 11" x 1 1/2" deep. Strands appear to have some section loss.							

Bridge: 850126 County SURRY

MMS Code	MMS Descri	ption		Quantity			
3306	Maintain Con	aintain Concrete Superstructure Components			SF		
Location:	Location:						
		Bent/Span No.					
Priority Leve	I	Status					
Priority Maintenance		Division Bridge Maintenance Noti	fication	3 SF			
Submitted Da	ate: Submitte	ed By:	Assisted By:				
07/02/2019	Kyle H	Compton					
Details							
Span 3 Bean	n 2: (PAR) 3ft >	8in x 2in deep spall with exposed r	rebar in end diaphragm at bent 2				

MMS Code	MN	MMS Description			Quantity			
3306	Mai	Maintain Concrete Superstructure Components			1	SF		
Location:								
			Bent/Span No.					
Priority Leve	el		Status					
Priority Maintenance		ce	Division Bridge Maintenance Noti	ication				
Submitted D	ate:	Submitte	d By:	Assisted By:				
07/02/2019		Kyle H.	Compton					
Details								
			Span 3 Beam 3: (PAR) right bottom flange over bent 2. Has a crack/spall and delaminated area with 3 cables exposed. Area is: from bottom up 8" x 10" x 2" deep. Strands appear to have minor section loss.					

Bridge: 850126 County SURRY

MMS Code	MMS Desc	ription		Quantity				
3326	Maintain Co	Maintain Concrete Deck						
Location:	Location:							
		Bent/Span No.						
Priority Leve	ıl	Status						
Priority Maintenance		Division Bridge Maintenance Notification						
Submitted D	ate: Submit	ted By:	Assisted By:					
07/02/2019	Kyle H	I. Compton						
Details								
Span 1 Deck	c: (PAR) 1ft dia	ameter by 1in spall with exposed reb	ar in left lane at bent 1 joint					

MMS Code	MN	MMS Description Quantity							
3348	Mai	Maintain Concrete Substructure Components 6				LF			
Location:									
			Bent/Span No.						
Priority Level			Status						
Priority Maintenance		се	Division Bridge Maintenance Noti	fication					
Submitted D	ate:	Submitte	d By:	Assisted By:					
07/02/2019		Kyle H.	Compton						
Details									
				all and delaminated area with rebar on the with heavy rust and flaking on rebards.		rea is:			

Bridge: 850126 County SURRY

MMS Code	MMS	MMS Description						
3348	Mainta	Maintain Concrete Substructure Components						
Location:								
			Bent/Span No.					
Priority Leve	ıl		Status					
Priority Maintenance		:	ivision Bridge Maintenance Notification					
Submitted D	ate: S	Submitted	d By:	Assisted By:				
07/02/2019	ŀ	Kyle H. (	Compton					
Details								
Details  Bent 1 Cap 1: (PAR) cap north face under beam 1. Has a crack/spall and delaminated area with rebar exposed.  Area is: from top edge back 3", from top edge down 29" x 54" x 1 1/2" deep with some heavy rust and flaking to rebar.								

MMS Code	MN	MMS Description Quantity				
3348	Mai	Maintain Concrete Substructure Components				LF
Location:						
			Bent/Span No.			
Priority Leve	el		Status			
Priority Maintenance		ce	Division Bridge Maintenance Noti	fication		
Submitted D	ate:	Submitte	d By:	Assisted By:		
07/02/2019		Kyle H.	Compton			
Details						
Bent 1 Pile 1: (PAR) northwest corner has a crack/spall and delaminated area. Located 16" below bottom of cap. Area on north face is: 6", area on west face is: 9" x 92" long.						

Bridge: 850126 County SURRY

MMS Code	MMS De	Quantity							
3348	Maintain (	Maintain Concrete Substructure Components 10 LF							
Location:									
			Bent/Span No.						
Priority Leve	I		Status						
Priority Main	tenance		Division Bridge Maintenance Notification						
Submitted D	ate: Subn	nitte	d By:	Assisted By:					
07/02/2019	Kyle	Н.	Compton						
Details									
				oall and delaminated area with rebare vn 29" x 10' long x 2" deep with heavy					

MMS Code	MN	MS Descrip	otion		Quantity				
3348	Mai	ntain Cond	crete Substructure Components	rete Substructure Components 8 LF					
Location:									
			Bent/Span No.						
Priority Level Status			tatus						
Priority Main	tenan	ice	Division Bridge Maintenance Noti	fication					
Submitted Da	ate:	Submitte	d By:	Assisted By:					
07/02/2019		Kyle H.	Compton						
Details									
	•	, , ,	o, north face and bottom at beam 4 down 28", from top edge back 2", fr	. Has a crack/spall and delaminated om bottom edge back 7" x 48".	area with re	bar			

Bridge: 850126 County SURRY

MMS Code	MMS Descr	Quantity							
3348	Maintain Cor	crete Substructure Components		5	LF				
Location:									
		Bent/Span No.							
Priority Level	I	Status	Status						
Priority Maint	tenance	Division Bridge Maintenance Notification							
Submitted Da	ate: Submitt	ed By:	Assisted By:						
07/02/2019	Kyle H	. Compton							
Details									
		ottom and north face at beam 3. Ha tom edge up 12", from bottom edge	s a crack/spall and delaminated area back 7" x 43" long x 5" deep.	with rebar					

MMS Code	MN	/IS Descrip	otion		Quantity			
3348	Mai	ntain Cond	crete Substructure Components		8	LF		
Location:								
Bent/Span No.								
Priority Level			Status					
Priority Main	itenan	се	Division Bridge Maintenance Notification					
Submitted D	ate:	Submitte	d By:	Assisted By:				
07/02/2019		Kyle H.	Compton					
Details								
			o, north face in bay 3. Has a crack/ from edge back 12" x 7' x 6" deep.	spall and delaminated area with reba	ar exposed.	Area		

Bridge: 850126 County SURRY

(PAR) near right slope protection is undermined 4ft deep x 3ft x 9in

MMS Code	MN	Quantity						
0	No I	Maintenan		20	NA			
Location:								
			Bent/Span No.					
Priority Leve	Priority Level Status							
Recommend	ded		Routine Maintenance					
Submitted D	ate:	Submitte	d By:	Assisted By:				
07/02/2019		Kyle H.	Compton					
Details								
MMS Code	MN	/IS Descrip	otion		Quantity			
3352	Mai	nt Slope P	rotection		3	SF		
Location:								
			Bent/Span No.					
Priority Level			Status	Status				
Recommended Routine Mainte			Routine Maintenance					
Submitted Date: Submitted By:			d By:	Assisted By:				
07/02/2019		Kyle H.	Compton					
Details								

## **Bridge Inspection Field Sketch**

U.S. 52 S.B.L.

#### MEASUREMENTS TAKEN AT END BENT 1

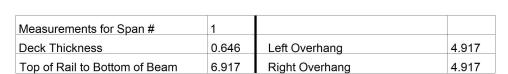
Roadway	24ft Wide	2 Paved Lanes	Looking North
Left Shoulder	11ft Wide	1ft Paved	10ft Unpaved
Right Shoulder	7.5ft Wide	0.5ft Paved	7ft Unpaved
Left Guardrail			
Right Guardrail	7ft from road		

#### VERIFIED 7/2/19 KHC

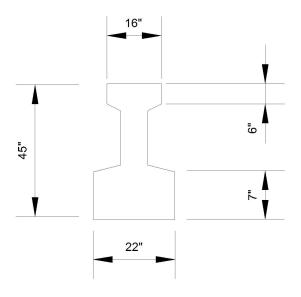
Title		Descri	ption				
APPROACH ROADWAY			SOUTH APPROACH LOOKING NORTH				
Bridge No: 850126	Drawn By: JWT		Date:7/18/2013	File Name: \$0138001024			

## **Bridge Inspection Field Sketch**

Deck Width/Out to Out	33.833ft	Betwee	28ft				
Clear Roadway	28ft	Wearir	ng Surface				
Median Width		Median Height					
Curb Height			0.833ft	Right	0.833ft		
Sidewalk Width		Left		Right			
Clear Roadway (Rail to Median)		Left		Right			
Guardrail Width		Left	2.917ft	Right	2.917ft		
Top of Rail to Deck/Wearing Surface			2.583ft	Right	2.583ft		
Bridge Rail		Left	Type 33	Right	Type 33		

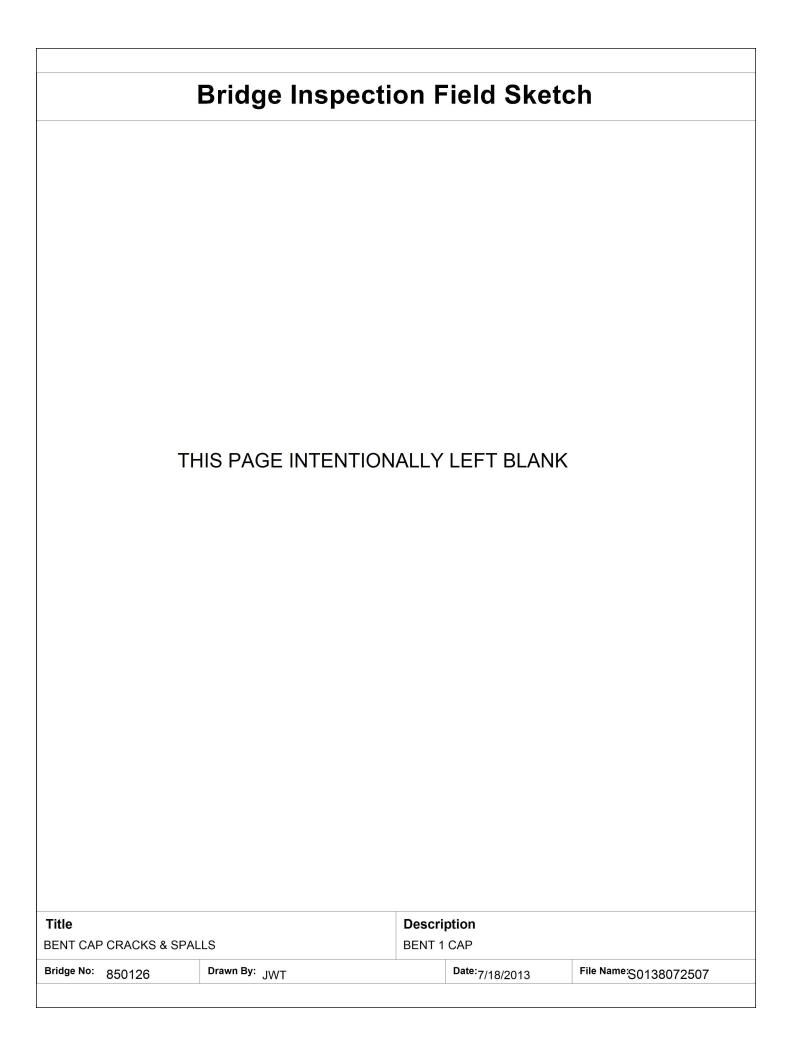


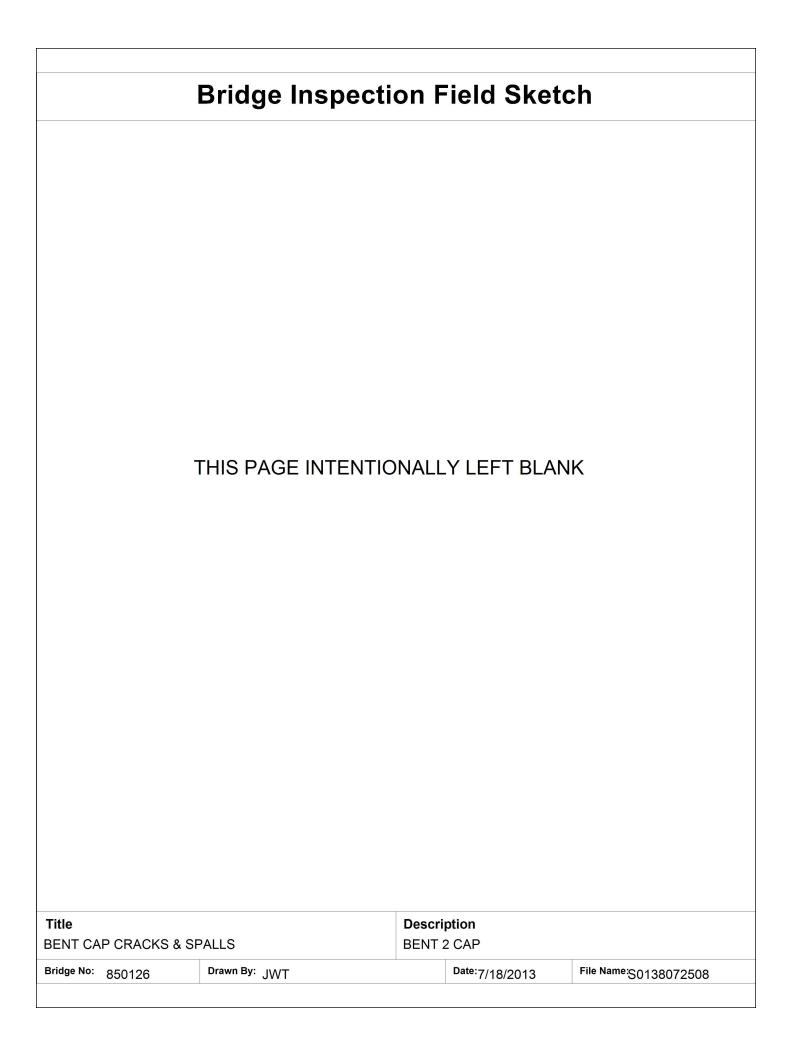
Beam Number	Beam Type	Spacing	Comments
1	PPC Girder	8ft	ALL SPANS SIMILAR
2	PPC Girder	8ft	
3	PPC Girder	8ft	
4	PPC Girder	ft	



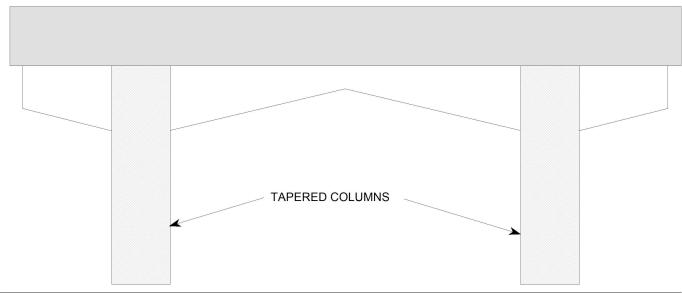
#### VERIFIED 7/2/19 KHC

Title		Descri	ption				
TYPICAL SECTION			SPAN 1, LOOKING NORTH				
Bridge No: 850126	Drawn By: JWT		Date: 7/18/2013	File Name: \$0138001025			





# **Bridge Inspection Field Sketch**



Cap In	Cap Information Material Cast-in-Place Concrete											
Lengt	h Width	Height	Left Over	hang	Right Overhang		Left Beam to End of Cap.		nd of Cap.	Right Beam to End of Ca		d of Cap.
28.167	ft. 3.000 ft.	2.500 ft.	5.500	ft.	5.500 ft.		2.0	83 ft.		2.	.083 ft.	
Subca	p Information		Material									
Lengt	h Width	Height	Left Over	hang	Right Overh	ang L	eft Pil	le to Splid	ce.			
Sill Info	ormation		Material									
Lengt		Height										
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orienta	ation	Driven?	Replaceme	ent?	Removed?	Collar?
1	Concrete	17.167 ft.	2.458 ft.		2.5 ft.	Vertica	ı	No	No		No	No
2	Concrete		2.458 ft.		2.5 ft.	Vertica	ıl	No	No		No	No
	.butment #:	4	Similar E	Ponto	V	ERIF	ΊΕΙ	O 7/2/	19 KHC	C		

Title
SUBSTRUCTURE
Bridge No: 850126

Description
BENT 1, LOOKING NORTH

Date: 7/18/2013

File Name: S0350000326