NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY ACTION REQUEST ISSUED; HYDRA-PLATFORM USED

Structure Safety Report

Routine Element Inspection - Contract

STRUCTURE NUMBER: 770125 **SAP STRUCTURE NO:** 0780125 **FHWA STRUCTURE NO:** 000000001550125

DIVISION: 6 **COUNTY:** ROBESON **INSPECTION DATE:** 04/22/2022 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: NC41,NC72 **MILE POST:**

LOCATION: 100' W. OF JCT.SR1536

FEATURE INTERSECTED: LUMBER RIVER

LATITUDE: 34° 37' 5.04" **LONGITUDE:** 79° 0' 40.88"

SUPERSTRUCTURE: REINFORCED CONCRETE DECK ON REINFORCED CONC. DECK GIRDERS

SUBSTRUCTURE: E.BTS&BTS:RC CAP/PPC PILES

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

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

GRADES: (Inspector/NBI Coding) **DECK** 4 / 4 **SUPERSTRUCTURE** 5 / 5 **SUBSTRUCTURE** 4 / 4 **CULVERT** N / N

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

OTHER SIGNS PRESENT: (4) DELINEATORS, LUMBER RIVER SIGN

Looking East

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

DIRECTION OF INSPECTION W-E

DIRECTION MATCHES PLANS

INSPECTED BY	SIGNATURE	ASSISTED BY
Tanner Hartley		Jim Stocks

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

06/21/2022

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE **770125**
(8) STRUCTURE NUMBER (FEDERAL) **1550125**
(5) INVENTORY ROUTE (ON/UNDER) ON **131000410**
(2) STATE HIGHWAY DEPARTMENT DISTRICT **6**
(3) COUNTY CODE (FEDERAL) **155** (4) PLACE CODE **39700**
(6) FEATURE INTERSECTED **LUMBER RIVER**
(7) FACILITY CARRIED **NC41,NC72**
(9) LOCATION **100' W. OF JCT.SR1536**
(11) MILEPOINT **0.0**
(12) BASE HIGHWAY NETWORK **1**
(13) LRS INVENTORY ROUTE & SUBROUTE **30041**
(16) LATITUDE **34° 37' 5.04"** (17) LONGITUDE **79° 0' 40.88"**
(98) BORDER BRIDGE STATE CODE PERCENT SHARED
(99) BORDER BRIDGE STRUCTURE NUMBER

STRUCTURE TYPE AND MATERIAL

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

AGE AND SERVICE

(27) YEAR BUILT **1934**
(106) YEAR RECONSTRUCTED **0**
(42) TYPE OF SERVICE ON - **Highway - Pedestrian**
OFF - **Waterway** CODE **55**
(28) LANES ON STRUCTURE **2** LANES UNDER STRUCTURE **0**
(29) AVERAGE DAILY TRAFFIC **14000**
(30) YEAR OF ADT **2017** (109) TRUCK ADT PCT **12**
(19) BYPASS OR DETOUR LENGTH **1.0**

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN **46.0**
(49) STRUCTURE LENGTH **285.0**
(50) CURB OR SIDEWALK: LEFT **5.0** RIGHT **5.0**
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB **28.0**
(52) DECK WIDTH OUT TO OUT **40.5**
(32) APPROACH ROADWAY WITH (W/ SHOULDERS) **29.0**
(33) BRIDGE MEDIAN **No median** CODE **0**
(34) SKEW **0** (35) STRUCTURE FLARED **0**
(10) INVENTORY ROUTE MIN VERT CLEAR **999.9**
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR **28.0**
(53) MIN VERT CLEAR OVER BRIDGE RDWY **999.9**
(54) MIN VERT UNDERCLEAR: REFERENCE **0.0**
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE **N** **0.0**
(56) MIN LAT UNDERCLEARANCE LT: **0.0**

NAVIGATION DATA

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

SUFFICIENCY RATING **43.90**
STATUS = **Structurally Deficient**

CLASSIFICATION — CODE

(112) NBIS BRIDGE SYSTEM **Y**
(104) HIGHWAY SYSTEM **Inventory Route is on NHS** **1**
(26) FUNCTIONAL CLASS **Urban Other Principal Arterial** **14**
(100) STRAHNET HIGHWAY **Not a STRAHNET Route** **0**
(101) PARALLEL STRUCTURE **No parallel structure exists** **N**
(102) DIRECTION OF TRAFFIC **2-way traffic** **2**
(103) TEMPORARY STRUCTURE
(110) DESIGNATED NATIONAL NETWORK - **on natiional network for trucks** **1**
(20) TOLL **On Free Road** **3**
(21) MAINT - **01**
(22) OWNER - **01**
(37) HISTORICAL SIGNIFICANCE - **5**

CONDITION — CODE

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

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD **H 15** **2**
(63) OPERATING RATING METHOD - **Load Factor** **1**
(64) OPERATING RATING - **HS-26** **46**
(65) INVENTORY RATING METHOD - **1**
(66) INVENTORY RATING **HS-16** **28**
(70) BRIDGE POSTING **No Posting Required** **5**
(41) STRUCTURE OPEN, POSTED, OR CLOSED **A**
DESCRIPTION **Open, no restriction**

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION **4**
(68) DECK GEOMETRY **4**
(69) UNDERCLEARANCES, VERT & HORIZ **N**
(71) WATERWAY ADEQUACY **7**
(72) APPROACH ROADWAY ALIGNMENT **8**
(36) TRAFFIC SAFETY FEATURES **0000**
(113) SCOUR CRITICAL BRIDGES **5**

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT
(94) BRIDGE IMPROVEMENT COST
(95) ROADWAY IMPROVEMENT COST
(96) TOTAL PROJECT COST
(97) YEAR OF IMPROVEMENT COST ESTIMATE
(114) FUTURE ADT **28,000** YEAR OF FUTURE ADT **2040**

INSPECTION

(90) INSPECTION DATE **04/22** (91) FREQUENCY **24**
(92) CRITICAL FEATURE INSPECTION (93) CFI DATE
A) FRACTURE CRIT DETAIL A)
B) UNDERWATER INSP **60** B) **02/19**
C) OTHER SPECIAL INSP C)
SCOUR

Superstructure Build Details

Span Number 1 **Span Length** 47.5000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1924	Square Feet	Unknown	1924
1	Asphalt Wearing Surface	Wearing Surface	1924	Square Feet		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	240	Feet	Unknown	0
2	Concrete Railing	Reinforced Concrete Bridge Railing	96	Feet		
10	Other Bearing	Other Bearings	10	Each		

Span Number 2 **Span Length** 47.5000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	240	Feet	Unknown	0
1	Asphalt Wearing Surface	Wearing Surface	1924	Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	96	Feet		
10	Other Bearing	Other Bearings	10	Each		
1	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1924	Square Feet	Unknown	1924
1	Standard Joint	Pourable Joint Seal	0	Feet		

Span Number 3 **Span Length** 47.5000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
2	Concrete Railing	Reinforced Concrete Bridge Railing	96	Feet		
1	Standard Joint	Pourable Joint Seal	0	Feet		
1	Asphalt Wearing Surface	Wearing Surface	1924	Square Feet		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	240	Feet	Unknown	0
10	Other Bearing	Other Bearings	10	Each		
1	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1924	Square Feet	Unknown	1924

Span Number 4 **Span Length** 47.5000 **Skew** 90.0000

Superstructure Build Details

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1924 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	96 Feet		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	240 Feet	Unknown	0
1	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1924 Square Feet	Unknown	1924
1	Finger Joint	Assembly Joint without Seal	0 Feet		
10	Other Bearing	Other Bearings	10 Each		

Span Number 5 **Span Length** 47.5000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1924 Square Feet		
1	Standard Joint	Pourable Joint Seal	0 Feet		
1	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1924 Square Feet	Unknown	1924
2	Concrete Railing	Reinforced Concrete Bridge Railing	96 Feet		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	240 Feet	Unknown	0
10	Other Bearing	Other Bearings	10 Each		

Span Number 6 **Span Length** 47.5000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Standard Joint	Pourable Joint Seal	0 Feet		
1	Asphalt Wearing Surface	Wearing Surface	1924 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	96 Feet		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	240 Feet	Unknown	0
10	Other Bearing	Other Bearings	10 Each		
1	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1924 Square Feet	Unknown	1924

Structure Element Scoring

Structure Number: **770125**

Inspection Date **4/22/2022**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
38	0	Reinforced Concrete Slabs	Deck	11544	11539	4	1	0
110	0	Reinforced Concrete Open Girder/Beam	Beam	1440	993	388	59	0
215	0	Reinforced Concrete Abutment	Abutments	76	73	3	0	0
227	0	Reinforced Concrete Pile	Piles and Columns	56	17	36	3	0
234	0	Reinforced Concrete Pier Cap	Caps	264	203	45	16	0
301	0	Pourable Joint Seal	Expansion Joints	0	0	0	0	0
305	0	Assembly Joint without Seal	Expansion Joints	0	0	0	0	0
316	0	Other Bearings	Bearing Device	60	60	0	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	576	3	568	5	0
510	0	Wearing Surface	Wearing Surfaces	11544	11445	0	99	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **770125** Inspection Date: **04/22/2022**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Slabs	Delamination/Spall	5 Square Feet
3306	Reinforced Concrete Open Girder/Beam	Cracking (RC and Other)	7 Feet
3306	Reinforced Concrete Open Girder/Beam	Delamination/Spall	147 Feet
3306	Reinforced Concrete Open Girder/Beam	Patched Area	32 Feet
3306	Reinforced Concrete Open Girder/Beam	Exposed Rebar	23 Feet
3348	Reinforced Concrete Pile	Delamination/Spall	8 Each
3348	Reinforced Concrete Pile	Cracking (RC and Other)	7 Each
3348	Reinforced Concrete Pile	Exposed Rebar	2 Each
3348	Reinforced Concrete Pier Cap	Exposed Rebar	6 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	1 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	37 Feet
3310	Pourable Joint Seal	Seal Damage	4 Feet
3318	Reinforced Concrete Bridge Railing	Patched Area	5 Square Feet
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	567 Feet
2816	Wearing Surface	Crack (Wearing Surface)	99 Square Feet

Element Structure Maintenance Quantities

Structure Number: **770125** Inspection Date **04/22/2022**

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	76	0	0	3	73
Beam	3306	Maintenance Concrete Superstructure Components	199	1440	0	59	388	993
Bearing Device	3334	Bridge Bearing	0	60	0	0	0	60
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	571	576	0	5	568	3
Caps	3348	Maintenance of Concrete Substructure	43	264	0	16	45	203
Deck	3326	Maintenance of Concrete Deck	5	11544	0	1	4	11539
Expansion Joints	3308	Maintenance of Steel Plate Joints	0	0	0	0	0	0
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	0	0	0	0	0
Piles and Columns	3348	Maintenance of Concrete Substructure	17	56	0	3	36	17
Wearing Surfaces	2816	Asphalt Surface Repair	99	11544	0	99	0	11445

Priority Actions Request

Structure Number 770125

Span1

3306 **Beam 5** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	5	Span 1 Beam 5: PAR -- 9' FROM BENT 1, BOTTOM OF BEAM BOTH SIDES, SPALL AND DELAMINATION 5' LONG X 6" HIGH X 3" DEEP WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS

Span2

3306 **Beam 1** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	12	Span 2 Beam 1: PAR -- 12' LONG X FULL WIDTH OF BOTTOM FLANGE EXTENDING 3" ON BOTH FACES AREA OF DELAMINATION WITH 2' LONG X FULL WIDTH X 3" DEEP SPALL WITH EXPOSED REBAR WITH MINIOR SECTION LOSS STARTING 2' FROM BENT 1

Span4

3306 **Beam 5** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	2	Span 4 Beam 5: PAR -- 2' LONG X UP TO 1' HIGH X 3" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS IN RIGHT FACE OF WEB AT BENT 4

Span6

3306 **Beam 1** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	2	Span 6 Beam 1: PAR -- 20" LONG X 12" WIDE X 1" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS AND 10" DIA. AREA OF DELAMINATION BELOW SPALL, IN RIGHT FACE AT DIAPHRAGM

3306 **Beam 5** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	2	Span 6 Beam 5: PAR -- 20" LONG X FULL WIDTH X 3" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS IN BOTTOM FLANGE 10' FROM BENT 6

Bent 1

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

Priority Actions Request

Structure Number 770125

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	2	End Bent 1 Cap 1: PAR -- SPALL 16" X UP TO 12" X UP TO 1" DEEP UNDER LEFT OVERHANG WITH EXPOSED REBAR 5 " LONG

Bent 4

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	2	Bent 4 Cap 1: PAR -- 36" HIGH X 16" WIDE X 2.5" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS

Bent 5

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Bent 5 Cap 1: PAR -- 8" LONG X 15" HIGH X 1" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS ON WEST FACE AT PILE 8

Slope Protection

3352 **Slope Protection** Slope Protection

Priority Level	Defect Type	Quantity	Defect Description
2		10	PAR -- 10' X 5" HIGH X 9" DEEP WASHOUT AND UNDERMINING OF THE SLOPE PROTECTION AT ABUTMENT 2

Element Condition and Maintenance Data

Structure Number: **770125** Inspection Date: **04/22/2022**

Span 1 Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	0	26	22	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Patched Area**	**12' FROM BENT 1. FAILING PATCH 8' LONG X FULL BEAM WIDTH ON THE BOTTOM OF THE BEAM AND BOTH FACES.**	3	7	7	Feet
110	**Patched Area**	**LARGE FAILING PATCH 15' LONG X 2' WIDE ON LEFT BOTTOM FACE 18" FROM END BENT 1**	3	15	15	Feet
110	**Cracking (RC and Other)**	**FIRST 15' OF BEAM HAS HAIRLINE DIAGONAL CRACKS UP TO FULL HEIGHT ON INTERNAL AND EXTERIOR FACE OF WEBS,**	2	6		Feet
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet
110	**Delamination/Spall**	**12' LONG X UP TO 2' WIDE AREA OF DELAMINATION IN RIGHT FACE NEAR MIDSPAN**	2	12	12	Feet
110	**Delamination/Spall**	**5' FROM END BENT 1, BOTTOM LEFT CORNER DELAMINATION 3' X 2' AREA**	2	3	3	Feet

General Comments

span 1 bay 1 bent 1 end diaphragm diagonal crack (full height x 1/32")

Span 1 Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	42	6	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet
110	**Delamination/Spall**	**AT BENT 1, DELAMINATION 1' LONG X 5" WIDE BOTTOM RIGHT FLANGE**	2	1	1	Feet

General Comments

Span 1 Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	43	5	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet

General Comments

Span 1 Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	43	5	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet

General Comments

Span 1 Beam 5

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	8	35	5	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Exposed Rebar**	**PAR - 9' FROM BENT 1, BOTTOM OF BEAM BOTH SIDES, SPALL AND DELAMINATION 5' LONG X 6" HIGH X 3" DEEP WITH EXPOSED REBAR WITH MINOR SECTION LOSS**	3	5	5	Feet
110	**Cracking (RC and Other)**	**FIRST 15' OF BEAM HAS HAIRLINE DIAGONAL CRACKS UP TO FULL HEIGHT ON INTERNAL AND EXTERIOR FACE OF WEBS,**	2	15		Feet
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet
110	**Delamination/Spall**	**21' FROM END BENT 1, RIGHT SIDE 20" LONG X 3" DELAMINATION**	2	10	10	Feet
110	**Delamination/Spall**	**4.5' X 16" AREA PATCH 10' FROM END BENT 1. ON INTERIOR FACE OF WEB EXTENDING ON FULL WIDTH OF BOTTOM FLANGE AND EXTENDING 3" ON EXTERIOR FACE WITH 6" DIAMETER AREA OF DELAMINATION WITH HAIRLINE MAP CRACKING THROUGHOUT PATCH**	2	5	5	Feet

General Comments

SPAN 1, BENT 1, BEAM 5 END DIAPHRAGM SPALL 8" LONG X 6" HIGH X 1" DEEP WITH EXPOSED REBAR.

Span 1 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,924	1,896	0	28	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**TRANSVERSE CRACK OVER END BENT ONE IN WEARING SURFACE FULL WIDTH X UP TO 1/4" WIDE**	3	28	28	Square Feet

General Comments

Span 1 — Left Bridge Rail

Concrete Railing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**10" long x 7" wide x 2" deep with exposed rebar with no measurable section loss in sidewalk at abutment 1**	3			Feet
331	**Delamination/Spall**	**TOP RAIL AND SIDEWALK ARE SCALING THROUGHOUT SPAN. COARSE AGGREGATE REMAINS SECURE**	2	48	48	Feet

General Comments

WEST END OF LEFT SIDEWALK, AT END BENT 1, HAS 10" X 10" X 2" DEEP SPALL WITH EXPOSED REBAR 3" LONG WITH NO SECTION LOSS

3' X 1' PATCH 12' FROM END BENT 1, EXPOSED REBAR 11" LONG WITH NO SECTION LOSS

MAP CRACKING ON SIDEWALK UP TO FULL FACE, UP TO .03" WIDE

Span 1 — Right Bridge Rail

Concrete Railing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**TOP RAIL AND SIDEWALK ARE SCALING THROUGHOUT SPAN. COARSE AGGREGATE REMAINS SECURE**	2	47	48	Feet
331	**Patched Area**	**INTERIOR FACE OF RAIL, FULL FACE SOUND PATCH INTERMITTENT THROUGHOUT SPAN COVERING 70-100% OF SPAN**	2	1		Square Feet

General Comments

MAP CRACKING ON SIDEWALK UP TO FULL FACE, UP TO .03" WIDE

ON RIGHT SIDEWALK 12' FROM END BENT 1, 12" X 1.5" X .25" DEEP SPALL WITH EXPOSED REBAR

Span 2 — Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	11	15	22	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Exposed Rebar**	**PAR -- 12' LONG X FULL WIDTH OF BOTTOM FLANGE EXTENDING 3" ON BOTH FACES AREA OF DELAMINATION WITH 2' LONG X FULL WIDTH X 3" DEEP SPALL WITH EXPOSED REBAR WITH MINIOR SECTION LOSS STARTING 2' FROM BENT 1**	3	12	12	Feet
110	**Patched Area**	**PATCHED AREAS ON BOTH FACES THROUGHOUT THE LENGTH OF THE BEAM ARE BEGINNING TO FAIL AND SHOW DELAMINATION**	3	10	10	Feet
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet
110	**Delamination/Spall**	**1' LONG X 3" WIDE X 1" DEEP SPALL WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS IN RIGHT FACE NEAR MIDSPAN**	2	1	1	Feet
110	**Delamination/Spall**	**3.5' LONG X 6" WIDE AREA OF DELAMINATION IN BOTTOM RIGHT FACE AT MIDSPAN**	2	4	4	Feet

110	**Patched Area**	**SOUND PATCHED AREAS ON THE BOTTOM OF THE BEAM INTERMITTENT THROUGHOUT SPAN EXTENDING 16" FROM BOTTOM OF BEAM ON INTERIOR AND EXTERIOR FACES**	2	5	Feet

General Comments

Span 2 Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	41	7	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Delamination/Spall**	**2' LONG X FULL WIDTH AREA OF DELAMINATION IN BOTTOM FACE AT BENT 2**	2	2	2	Feet
110	**Efflorescence/Rust Staining**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet

General Comments

Span 2 Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	43	5	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet

General Comments

Span 2 Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	43	5	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**1/8" WIDE X 1' LONG HORIZONTAL CRACK ON BOTTOM LEFT FACE AT BENT 2**	3			Feet
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet

General Comments

Span 2 — Beam 5

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	21	27	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE	2	25		Feet
110	Delamination/Spall	9' FROM BENT 1. 2' LONG X 5" HIGH AREA OF DELAMINATION WITH ASSOCIATED CRACKING IN RIGHT BOTTOM FACE	2	2	2	Feet

General Comments

Span 2 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,924	1,909	0	15	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE CRACK OVER BENT TWO IN WEARING SURFACE FULL WIDTH X UP TO 1/4" WIDE	3	15	15	Square Feet

General Comments

Span 2 — Left Bridge Rail

Concrete Railing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Delamination/Spall	TOP RAIL AND SIDEWALK ARE SCALING THROUGHOUT SPAN. COARSE AGGREGATE REMAINS SECURE	2	47	47	Feet
331	Patched Area	INTERIOR FACE OF RAIL, FULL FACE SOUND PATCH INTERMITTENT THROUGHOUT SPAN COVERING 50-90% OF SPAN	2	1		Square Feet

General Comments

MAP CRACKING ON SIDEWALK UP TO FULL FACE, UP TO .03" WIDE

Span 2 — Right Bridge Rail

Concrete Railing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Delamination/Spall	6" long x 3" wide x 1/2" deep spall interior face on post 2 at Bent 1	2		1	Feet
331	Delamination/Spall	TOP RAIL AND SIDEWALK ARE SCALING THROUGHOUT SPAN. COARSE AGGREGATE REMAINS SECURE	2	47	47	Feet
331	Patched Area	INTERIOR FACE OF RAIL, FULL FACE SOUND PATCH INTERMITTENT THROUGHOUT SPAN COVERING 70-100% OF SPAN	2	1		Square Feet

General Comments

MAP CRACKING ON SIDEWALK UP TO FULL FACE, UP TO .03" WIDE

Span 3 Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	0	48	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet
110	**Delamination/Spall**	**25' LONG X 8" WIDE ON BOTTOM FACE AND EXTENDING UP TO 2' HIGH ON WEB AREA OF DELAMINATION IN RIGHT FACE STARTING 4' FROM PIER 3**	2	25	25	Feet
110	**Delamination/Spall**	**3' LONG X 4" HIGH AREA OF DELAMINATION IN BOTTOM LEFT FACE AT BENT 3**	2	3	3	Feet
110	**Patched Area**	**SOUND PATCHED AREAS THROUGHOUT THE LENGTH OF THE BEAM. PREVIOUS SPALL AT BENT 2 HAS BEEN REPAIRED WITH THESE PATCHES**	2	15		Feet

General Comments

Span 3 Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	43	5	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet

General Comments

Span 3 Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	43	5	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet

General Comments

Span 3 Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	42	5	1	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Delamination/Spall**	**1' LONG X 8" WIDE X 2" DEEP SPALL IN BOTTOM FACE AT BENT 2**	3	1	1	Feet
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet

General Comments

Span 3 Beam 5

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	28	20	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**HAIRLINE TO 1/32" VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	20		Feet

General Comments

span 3 south sidewalk support 6' from bent 3 spall (10" x 6" x 1/2") with exposed rusted rebar

Span 3 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,924	1,896	0	28	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**ASPHALT WEARING SURFACE OVER BENT 3 HAS TRANSVERSE CRACKS UP TO FULL WIDTH X 1/2" WIDE**	3	28	28	Square Feet

General Comments

Span 3 Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	48	0	44	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**(2) SPALLS UP TO 6" DIA. X 2" DEEP WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS IN RAIL POSTS**	3	2	2	Feet
331	**Delamination/Spall**	**SPALL ON 2ND POST FROM BENT 3, SOUTH FACE, 3" LONG X 12" HIGH X 2" DEEP WITH EXPOSED REBAR WITH NO SECTION LOSS**	3	1	1	Feet
331	**Patched Area**	**UNSOUND PATCH ON LAST POST OF SPAN 3 LEFT RAIL. FULL FACE OF POST**	3	1	3	Square Feet

331	**Cracking (RC and Other)**	**HAIRLINE CRACKS IN LEFT RAIL POSTS AT VARIOUS LOCATIONS THROUGHOUT**	2	1		Feet
331	**Delamination/Spall**	**TOP RAIL AND SIDEWALK ARE SCALING THROUGHOUT SPAN. COARSE AGGREGATE REMAINS SECURE**	2	42	44	Feet
331	**Patched Area**	**INTERIOR FACE OF RAIL, FULL FACE SOUND PATCH INTERMITTENT THROUGHOUT SPAN COVERING 50-90% OF SPAN**	2	1		Square Feet

General Comments

MAP CRACKING ON SIDEWALK UP TO FULL FACE, UP TO .03" WIDE

Span 3 — Right Bridge Rail

Concrete Railing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**2 SPALLS LOCATED 6' BEFORE BENT 3, 4" DIAMETER EACH UP TO 1" DEEP**	2	2	2	Feet
331	**Delamination/Spall**	**TOP RAIL AND SIDEWALK ARE SCALING THROUGHOUT SPAN. COARSE AGGREGATE REMAINS SECURE**	2	45	45	Feet
331	**Patched Area**	**INTERIOR FACE OF RAIL, FULL FACE SOUND PATCH INTERMITTENT THROUGHOUT SPAN COVERING 70-100% OF SPAN**	2	1		Square Feet

General Comments

MAP CRACKING ON SIDEWALK UP TO FULL FACE, UP TO .03" WIDE

Span 4 — Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	20	28	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Patched Area**	**4' LONG X 1' WIDE SOUND PATCH AREA EXTEDING 1.5' LONG ON BOTTOM FACE, LEFT FACE 15' FROM BENT 3**	3			Feet
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	2		Feet
110	**Delamination/Spall**	**25' LONG X FULL WIDTH AND EXTENDING UP TO 3" HIGH ON BOTH FACES AREA OF DELAMINATION STARTING 5' FROM BENT 3**	2	25	25	Feet
110	**Patched Area**	**1' HIGH X 1' WIDE SOUND PATCHED AREA AT BENT 3 WITH HAIRLINE HORIZONTAL CRACKING**	2	1		Feet

General Comments

CONSTRUCTION FORMS LEFT IN PLACE ON BEAM 1

Span 4 — Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	42	5	1	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Delamination/Spall**	**1' LONG X FULL WIDTH AREA OF DELAMINATION IN BOTTOM FLANGE AT BENT 4**	3	1	1	Feet
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet

General Comments

Span 4 Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	40	6	2	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Delamination/Spall**	**8" LONG X FULL WIDTH X 2" DEEP SPALL WITH NO EXPOSED REBAR IN BOTTOM FLANGE AT BENT 4**	3	2	2	Feet
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet
110	**Patched Area**	**1' LONG X 10" HIGH SOUND PATCHED AREA IN LEFT FACE OF WEB AT BENT 3**	2	1		Feet

General Comments

Span 4 Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	41	7	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet
110	**Delamination/Spall**	**1.5' LONG X FULL WIDTH AREA OF DELAMINATION IN BOTTOM FLANGE AT BENT 4**	2	2	2	Feet

General Comments

Span 4 Beam 5

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	31	15	2	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Exposed Rebar**	**PAR --- 2' LONG X UP TO 1' HIGH X 3" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS IN RIGHT FACE FACE OF WEB AT BENT 4**	3	2	2	Feet
110	**Cracking (RC and Other)**	**HAIRLINE TO 1/32" VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	15		Feet
110	**Patched Area**	**2.5' LONG X FULL WIDTH OF BOTTOM FLANGE AND EXTENDING 4" ON BOTH FACES SOUND PATCHED AREA 10' FROM BEANT 4**	2			Feet

General Comments

Span 4 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,924	1,896	0	28	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**ASPHALT WEARING SURFACE OVER BENT 4 HAS TRANSVERSE CRACKS UP TO FULL LENGTH X 0.5" WIDE**	3	28	28	Square Feet

General Comments

Span 4 — Left Bridge Rail

Concrete Railing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**6" DIAMETER X 1" DEEP SPALL WITH EXPOSED REBAR WITH NO SECTION LOSS. LOCATED AT MIDSPAN LEFT RAIL SPAN 4**	2	1	1	Feet
331	**Delamination/Spall**	**TOP RAIL AND SIDEWALK ARE SCALING THROUGHOUT SPAN. COARSE AGGREGATE REMAINS SECURE**	2	46	46	Feet
331	**Patched Area**	**INTERIOR FACE OF RAIL, FULL FACE SOUND PATCH INTERMITTENT THROUGHOUT SPAN COVERING 50-90% OF SPAN**	2	1		Square Feet

General Comments

BENT 3 LEFT SIDEWALK COVER PLATE DOES NOT COVER CONCRETE NOTCH AT CURB BY 2". ALIGNED AT RAIL

BENT 3 LEFT SIDEWALK COVER PLATE HAS CORROSION HOLES UP TO 6" X 1.5" WIDE

MAP CRACKING ON SIDEWALK UP TO FULL FACE, UP TO .03" WIDE

Span 4 — Right Bridge Rail

Concrete Railing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**TOP RAIL AND SIDEWALK ARE SCALING THROUGHOUT SPAN. COARSE AGGREGATE REMAINS SECURE**	2	47	47	Feet
331	**Patched Area**	**INTERIOR FACE OF RAIL, FULL FACE SOUND PATCH INTERMITTENT THROUGHOUT SPAN COVERING 70-100% OF SPAN**	2	1		Square Feet

General Comments

BENT 3 RIGHT SIDEWALK COVER PLATE HAS CORROSION HOLES UP TO 4" X 1.5" WIDE

MAP CRACKING ON SIDEWALK UP TO FULL FACE, UP TO .03" WIDE

Span 5 Deck

Reinforced Concrete Deck Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
38	Reinforced Concrete Slabs	1,924	1,919	4	1	0	Square Feet
515	Steel Protective Coating	1,924	1,924	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
38	**Delamination/Spall**	**1' LONG X 5" WIDE X 1" DEEP SPALL WITH EXPOSED REBAR IN LEFT OVERHANG NEAR MIDSPAN**	3	1	1	Square Feet
38	**Delamination/Spall**	**6' LONG X 7" WIDE X 1" DEEP SPALL WITH EXPOSED REBAR IN DECK UNDERSIDE LEFT OVERHANG. AREA HAS BEEN PAINTED OVER**	2	4	4	Square Feet

General Comments

Span 5 Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	20	28	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**HAIRLINE TO 1/32" VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet
110	**Delamination/Spall**	**20' LONG X FULL WIDTH AREA OF DELAMINATION IN BOTTOM FLANGE EXTENDING UP TO 2' IN BOTH FACES OF WEB, STARTING 3' FROM BENT 4**	2	20	20	Feet
110	**Patched Area**	**SOUND PATCH 24" LONG X 10" HIGH ON RIGHT FACE IN THE WEB AREA NEAR MID SPAN**	2	3		Feet

General Comments

Span 5 Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	40	8	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet
110	**Delamination/Spall**	**(2) 5" DIA. X 1" DEEP SPALLS WITH EXPOSED REBAR IN BOTTOM FLANGE AT 5' AND 10' FROM PIER 5**	2	2	2	Feet
110	**Patched Area**	**10" LONG X FULL WIDTH SOUND PATCH ON BOTTOM FLANGE AT BENT 5**	2	1		Feet

General Comments

SPALL ON BOTTOM OF BEAM AT BENT 5 NOT FOUND DURING THIS INSPECTION.

Span 5 Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	43	5	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE	2	5		Feet

General Comments

Span 5 Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	43	5	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	HAIRLINE VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE	2	5		Feet

General Comments

Span 5 Beam 5

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	40	8	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	HAIRLINE TO 1/32" VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE	2	5		Feet
110	Patched Area	2.5' LONG X FULL WIDTH OF BOTTOM FLANGE SOUND PATCH AREA EXTENDING UP TO 1' ON BOTH FACES OF WEB, NEAR MIDSPAN	2	3		Feet

General Comments

Span 5 Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	48	1	46	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Patched Area	4TH POST FROM BENT 5 UNSOUND PATCH ON TOP HALF OF INTERIOR FACE. PATCH IS DELAMINATED.	3	1	1	Square Feet
331	Delamination/Spall	2 POSTS BEFORE BENT 5, SPALL WITH EXPOSED REBAR WITH NO SECTION LOSS, AREA 3" X 4" X 1" DEEP	2	1	1	Feet
331	Delamination/Spall	TOP RAIL AND SIDEWALK ARE SCALING THROUGHOUT SPAN. COARSE AGGREGATE REMAINS SECURE	2	44	46	Feet

331	**Patched Area**	**INTERIOR FACE OF RAIL, FULL FACE SOUND PATCH INTERMITTENT THROUGHOUT SPAN COVERING 50-90% OF SPAN**	2	1		Square Feet

General Comments

MAP CRACKING ON SIDEWALK UP TO FULL FACE, UP TO .03" WIDE

Span 5 — Right Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	48	2	46	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**TOP RAIL AND SIDEWALK ARE SCALING THROUGHOUT SPAN. COARSE AGGREGATE REMAINS SECURE**	2	46	46	Feet
331	**Patched Area**	**INTERIOR FACE OF RAIL, FULL FACE SOUND PATCH INTERMITTENT THROUGHOUT SPAN COVERING 70-100% OF SPAN**	2			Square Feet

General Comments

MAP CRACKING ON SIDEWALK UP TO FULL FACE, UP TO .03" WIDE
DEFECT IN WRONG LOCATION

Span 6 — Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	13	33	2	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Exposed Rebar**	**PAR -- 20" LONG X 12" WIDE X 1" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS AND 10" DIA. AREA OF DELAMINATION BELOW SPALL, IN RIGHT FACE AT DIAPHRAGM**	3	2	2	Feet
110	**Cracking (RC and Other)**	**FIRST 15' OF BEAM HAS DIAGONAL CRACKS UP TO FULL HEIGHT X UP TO .016" WIDE ON INTERNAL AND EXTERIOR FACE OF WEBS,**	2	1		Feet
110	**Cracking (RC and Other)**	**HAIRLINE TO 1/32" VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet
110	**Delamination/Spall**	**18' LONG X FULL WIDTH AREA OF DELAMINATION IN BOTTOM FLANGE EXTENDING UP TO 1' ON BOTH FACES OF WEB STARTING 10' FROM END BENT 2**	2	18	18	Feet
110	**Delamination/Spall**	**AT END BENT 2 SCALING/DELAMINATION PRESENT IN 4.5' X 18" HIGH AREA WITH HORIZONTAL HAIRLINE CRACK IN CHAMFER**	2	5	5	Feet
110	**Patched Area**	**4' LONG X 5" SOUND PATCH ON LEFT FACE OF BEAM LOCATED 5' FROM END BENT 2**	2	4		Feet

General Comments

DEFECTS CONSOLIDATED

Span 6 — Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	43	5	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

110	**Cracking (RC and Other)**	**HAIRLINE TO 1/32" VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5	Feet

General Comments

Span 6 Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	43	5	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**HAIRLINE TO 1/32" VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet

General Comments

Span 6 Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	43	5	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**HAIRLINE TO 1/32" VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet

General Comments

Span 6 Beam 5

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	48	40	6	2	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Exposed Rebar**	**PAR -- 20" LONG X FULL BOTTOM WIDTH X 3" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS IN BOTTOM OF FLANGE 10' FROM BENT 6**	3	2	2	Feet
110	**Cracking (RC and Other)**	**FIRST 15' OF BEAM HAS DIAGONAL CRACKS UP TO FULL HEIGHT X UP TO .016" WIDE ON INTERNAL AND EXTERIOR FACE OF WEBS,**	2	1		Feet
110	**Cracking (RC and Other)**	**HAIRLINE TO 1/32" VERTICAL CRACKS THROUGHOUT THE LENGTH OF THE BEAM IN THE WEB AREA UNDERSIDE**	2	5		Feet

General Comments

Span 6 — Left Bridge Rail

Concrete Railing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**TOP RAIL AND SIDEWALK ARE SCALING THROUGHOUT SPAN. COARSE AGGREGATE REMAINS SECURE**	2	48	48	Feet

General Comments

SIDEWALK AT EAST END, OVER END BENT 2, CORNER SPALL 8" X 6" X 1" DEEP

MAP CRACKING ON SIDEWALK UP TO FULL FACE, UP TO .03" WIDE

Span 6 — Right Bridge Rail

Concrete Railing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**TOP RAIL AND SIDEWALK ARE SCALING THROUGHOUT SPAN. COARSE AGGREGATE REMAINS SECURE**	2	47	47	Feet
331	**Patched Area**	**INTERIOR FACE OF RAIL, FULL FACE SOUND PATCH INTERMITTENT THROUGHOUT SPAN COVERING 70-100% OF SPAN**	2	1		Square Feet

General Comments

MAP CRACKING ON SIDEWALK UP TO FULL FACE, UP TO .03" WIDE

RIGHT SIDEWALK EAST END CORNER SPALL 9" X 7" X UP TO 3" DEEP

End Bent 1 — Abutment

Reinforced Concrete Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	38	35	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	**Cracking (RC and Other)**	**BACKWALL HAS HAIRLINE MAP CRACKING UNDER RIGHT OVERHANG**	2	3		Feet

General Comments

End Bent 1 — Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	42	39	1	2	0	Feet
515	Steel Protective Coating	450	450	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Exposed Rebar**	**PAR -- SPALL 16" X UP TO 12" X UP TO 1" DEEP UNDER LEFT OVERHANG WITH EXPOSED REBAR 5 " LONG**	3	2	2	Feet
234	**Cracking (RC and Other)**	**2 FULL HEIGHT X HAIRLINE TO 1/32" WIDE VERTICAL CRACKS AT BAY 2 AND 3**	2	1		Feet

General Comments

Bent 1 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	36	26	10	0	0	Feet
515	Steel Protective Coating	450	450	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Cracking (RC and Other)**	**HAIRLINE TO 1/32" VERTICAL/HORIZONTAL CRACKS IN BOTH FACES THROUGHOUT THE CAP. THE SAME TYPE OF CRACKS ARE PRESENT IN THE INTERIOR DIAPHRAGMS IN EACH BAY.**	2	2		Feet
234	**Delamination/Spall**	**(15) UP TO 5" DIAMETER X 1" DEEP ROUND POP OUT SPALLS WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS ON WEST FACE**	2	1	1	Feet
234	**Delamination/Spall**	**5' LONG X 12" HIGH AREA OF DELAMINATION ON WEST FACE IN BAY 2**	2	5	5	Feet
234	**Patched Area**	**(3) SOUND PATCHS UP TO 4' LONG X 3' WIDE ON EAST FACE AT VARIOUS LOCATIONS**	2	2		Feet

General Comments

BENT 1 CAP HAS DIRT AND DEBRIS ON THE TOP AT BOTH ENDS. THIS IS TYPICAL OF ALL CAPS

Bent 1 Pile 1

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2			Each
227	**Cracking (RC and Other)**	**UNDERWATER 2/27/19: F-3, (2) H/L-1/16"CRACKS/ H/L-1/32" NEAR F-4. BOTH CRACKS ARE FROM M/L-W/L.**	2	1		Each
227	Scour	UNDERWATER 2/27/19: SCOUR AT P-1, UPSTREAM-0.2'.	2			Each

General Comments

Bent 1 Pile 2

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	1	0	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2			Each

General Comments

DUPLICATE DEFECT REMOVED

Bent 1 Pile 3

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2	1		Each

General Comments

Bent 1 Pile 4

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2	1		Each

General Comments

Bent 1 Pile 5

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2			Each
227	**Cracking (RC and Other)**	**UNDERWATER 2/27/19: F-8, H/L CRACK FROM M/L-W/L.**	2	1		Each

General Comments

Bent 1 Pile 6

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2			Each
227	**Cracking (RC and Other)**	**UNDERWATER 2/27/19: F-1, H/L CRACK FROM M/L-W/L**	2	1		Each

General Comments

Bent 1 Pile 7

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2	1		Each

General Comments

Bent 1 Pile 8

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2	1		Each
227	Scour	UNDERWATER 2/27/19: SCOUR AT P-8, DOWN STREAM- 1.0'	2			Each

General Comments

End Bent 2 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	42	38	4	0	0	Feet
515	Steel Protective Coating	450	450	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Cracking (RC and Other)**	**FULL HEIGHT X UP TO 1/32" WIDE VERTICAL CRACKS AT VARIOUS LOCATIONS THROUGHOUT**	2	3		Feet
234	**Delamination/Spall**	**3" HIGH X 4" LONG X 1" DEEP SPALL, NO EXPOSED REBAR AT BEAM 5**	2	1	1	Feet

General Comments

Bent 3 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	36	21	15	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Cracking (RC and Other)**	**UP TO 1/32" WIDE VERTICAL AND DIAGINAL CRACKS UP TO 2' LONG THROUGHOUT BOTH FACES**	2	6		Feet
234	**Delamination/Spall**	**2' LONG X 4" HIGH DELAMINATION WITH DETERIORATED CONCRETE AND CRACKS UNDER BEAM 2**	2	2	2	Feet
234	**Delamination/Spall**	**DELAMINATION ON NEAR FACE AT BOTTOM OF CAP 4' LONG X 6" HIGH.**	2	4	4	Feet

234	**Delamination/Spall**	**NEAR FACE, (6) SPALLS UP TO 12" LONG X 4" WIDE X 1" DEEP UNDER BEAMS 4 AND 5.**	2	3	3	Feet

General Comments

BENT 2, LEFT OVERHANG SOFFIT HAS A 12" LONG X 2" WIDE X 1" DEEP LACK OF COVER SPALL . RIGHT SIDEWALK SUPPORT HAS 6" ROUND POP OUT SPALL

Bent 3 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	36	34	0	2	0	Feet
515	Steel Protective Coating	450	450	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Delamination/Spall**	**15" LONG X 9" HIGH AREA OF DELAMINATED WITH ASSOCIATED HAIRLINE CRACKING EAST FACE**	3	2	2	Feet

General Comments

bent 1 cap south end, dirt and debris under open sidewalk joint

Bent 3 Pile 1

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2			Each
227	**Cracking (RC and Other)**	**UNDERWATER 2/27/19: F-3, H/L CRACK FROM M/L TO ABOVE THE W/L.**	2	1		Each
227	Scour	UNDERWATER 2/27/19: SCOUR AT P-1, UPSTREAM-0.7'	2			Each

General Comments

Bent 3 Pile 2

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2			Each
227	**Cracking (RC and Other)**	**UNDERWATER 2/27/19: F-1, H/L CRACK TO ABOVE W/L.**	2	1		Each

General Comments

Bent 3 Pile 3

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2	1		Each

General Comments

Bent 3 Pile 4

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2	1		Each

General Comments

Bent 3 Pile 5

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2	1		Each

General Comments

Bent 3 Pile 6

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	0	1	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Delamination/Spall**	**UNDERWATER 2/27/19: F-7/8 HAVE AN AREA OF DELAMINATION AT THE W/L. 8"DIAMETER X 1"DEEP.**	3	1	1	Each
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2			Each

General Comments

Bent 3 Pile 7

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2			Each
227	**Cracking (RC and Other)**	**UNDERWATER 2/27/19: H/L CRACK ON F-2. M/L UP 4'. (OTHER CRACKS ARE SIMILAR).**	2	1		Each

General Comments

Bent 3 Pile 8

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/16" FROM M/L-W/L.**	2	1		Each
227	**Patched Area**	**1' x 8" SOUND PATCH AT TOP OF PILE ON EAST FACE**	2			Each

General Comments

Bent 3 Pile 1

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/4" FROM M/L-W/L.	2	1		Each
227	Scour	UNDERWATER 2/27/19: SCOUR AT P-1, UPSTREAM- 2.0'	2			Each

General Comments

Bent 3 Pile 2

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/4" FROM M/L-W/L.	2			Each

227	Cracking (RC and Other)	UNDERWATER 2/27/19: F-2, H/L-1/16" CRACK AND H/L-1/32"CRACK. BOTH CRACKS EXTEND FROM M/L-W/L.	2	1	Each

General Comments

Bent 3 Pile 3

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/4" FROM M/L-W/L.	2	1		Each

General Comments

Bent 3 Pile 4

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/4" FROM M/L-W/L.	2	1		Each

General Comments

Bent 3 Pile 5

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/4" FROM M/LONG-WIDE/LONG.	2			Each
227	Cracking (RC and Other)	UNDERWATER 2/27/19: F-1, HIGH/LONG-1/16"CRACK FROM WIDE/LONG DOWN 2.5'	2			Each
227	**Delamination/Spall**	**20" LONG X 16" WIDE AREA OF DELAMINATION ON THE WEST FACE AT TOP OF PILE**	2	1	1	Each

General Comments

Bent 3 Pile 6

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/4" FROM M/L-W/L.	2	1		Each

General Comments

Bent 3 Pile 7

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/4" FROM M/L-W/L.	2	1		Each

General Comments

Bent 3 Pile 8

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	0	1	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Delamination/Spall**	**5' BELOW THE CAP, 3' LONG X 12" WIDE X 2" DEEP WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS**	3	1	3	Each
227	Exposed Rebar	UNDERWATER 2/27/19: VOID, F-3/4, 6' BELOW CAP. 18"VERTICAL X 10"WIDE X 1"DEEP WIDE/REBAR EXPOSED, 25% SECTION LOSS.	3		2	Each
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED TO 1/4" FROM M/L-W/L.	2			Each
227	Cracking (RC and Other)	UNDERWATER 2/27/19: F-2, H/L-1/16"CRACK 6' BELOW CAP DOWN 8'.	2			Each
227	**Patched Area**	**SOUND PATCH WITH HORIZONTAL CRACKS AT TOP OF PILE EAST FACE**	2			Each
227	Scour	UNDERWATER 2/27/19: SCOUR AT P-8, DOWN STREAM- 3.0'	2			Each

General Comments

Bent 4 Pile 1

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/L- W/L. AGGREGATE REMAINS SECURE IN THE CONCRETE.	2	1		Each

General Comments

Bent 4 Pile 2

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/L- W/L. AGGREGATE REMAINS SECURE IN THE CONCRETE.	2	1		Each

General Comments

Bent 4 Pile 3

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/L- W/L. AGGREGATE REMAINS SECURE IN THE CONCRETE.	2	1		Each

General Comments

Bent 4 Pile 4

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Cracking (RC and Other)**	**(2) UP TO 2' LONG X 1/16" WIDE VERTICAL CRACKS IN NORTH AND NORTHEAST FACE OF PILE AT TOP**	3	2		Each
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/L- W/L. AGGREGATE REMAINS SECURE IN THE CONCRETE.	2	1		Each

General Comments

Bent 4 Pile 5

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/L- W/L. AGGREGATE REMAINS SECURE IN THE CONCRETE.	2			Each
227	**Cracking (RC and Other)**	**UNDERWATER 2/27/19: F-7, H/L CRACK NEAR W/L.**	2	1		Each

General Comments

Bent 4 Pile 6

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/L- W/L. AGGREGATE REMAINS SECURE IN THE CONCRETE.	2	1		Each

General Comments

Bent 4 Pile 7

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/L- W/L. AGGREGATE REMAINS SECURE IN THE CONCRETE.	2	1		Each

General Comments

Bent 4 Pile 8

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

227	**Cracking (RC and Other)**	**1' LONG X 1/16" WIDE VERTICAL CRACK IN WEST FACE OF PILE AT CAP**	3		1	Each
227	Abrasion/Wear (PSC/RC)	UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/L- W/L. AGGREGATE REMAINS SECURE IN THE CONCRETE.	2			Each
227	**Cracking (RC and Other)**	**UNDERWATER 2/27/19: F-1/7, H/L CRACK NEAR W/L.**	2	1		Each
227	Scour	UNDERWATER 2/27/19: SCOUR AT P-8, DOWN STREAM- 2.2'	2			Each

General Comments

Bent 4 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	36	19	8	9	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Delamination/Spall**	**3' LONG X 1.5' AREA OF DELMINATION WITH DETERIORATING CONCRETE IN EAST FACE BELOW BEAM 4**	3	3	3	Feet
234	**Delamination/Spall**	**WEST FACE BELOW BEAM 5, 12" HIGH X 18" WIDE X 2" DEEP SPALL WITH EXPOSED REBAR. AREA HAS BEEN COATED AND STEEL IS NOT CORRODED. ADJACENT 24" X 16" DELAMINATION**	3	2	2	Feet
234	**Exposed Rebar**	**PAR -- PALL 36" HIGH X 16" WIDE X 2.5" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS**	3	3	3	Feet
234	**Patched Area**	**CORNER SPALL ON LEFT END TOP, 1' LONG X 10" WIDE X 3" DEEP, PREVIOUSLY COATED AREA**	3	1	1	Feet
234	**Delamination/Spall**	**(2) AREAS OF DELAMINATION IN WEST FACE OF CAP IN BAY 2, UP TO 3' LONG X 3' WIDE**	2	4	4	Feet
234	**Delamination/Spall**	**(9) 5" DIA. X 1" DEEP POP OUT SPALLS AT VARIOUS LOCATIONS ON BOTH FACES**	2	4	5	Feet

General Comments

bent 1 cap south end, dirt and debris under open sidewalk joint

Bent 5 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	36	26	7	3	0	Feet
515	Steel Protective Coating	450	450	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Delamination/Spall**	**(2) UP TO 12" HIGH X 12" LONG X 3" DEEP SPALLS WITH NO EXPOSED REBAR ON EAST FACE UNDER BAY 1**	3	2	2	Feet
234	**Exposed Rebar**	**PAR -- 8" LONG X 15" HIGH X 1" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS ON WEST FACE AT PILE 8**	3	1	1	Feet
234	**Delamination/Spall**	**(2) 18" LONG X 15" WIDE AREA OF DELAMINATIONS ON THE WEST FACE AT BOTH ENDS OF CAP**	2	2	2	Feet
234	**Patched Area**	**(3) UP TO 3' LONG X 2' HIGH SOUND PATCES IN WEST FACE AT VARIOUS LOCATIONS**	2	2		Feet
234	**Patched Area**	**3' LONG X 2' WIDE SOUND PATCH AREA UNDER BEAM 2 EAST FACE**	2	3		Feet

General Comments

bent 1 cap south end, dirt and debris under open sidewalk joint

Bent 5 Pile 1

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/L- W/L. AGGREGATE REMAINS SECURE IN THE CONCRETE.**	2	1		Each
227	**Delamination/Spall**	**3' LONG X 4" WIDE AREA OF DELAMINATION EAST FACE AT TOP**	2		3	Each
227	Scour	UNDERWATER 2/27/19: SCOUR AT P-1, UPSTREAM- 1.8'	2			Each

General Comments

Bent 5 Pile 2

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/L- W/L. AGGREGATE REMAINS SECURE IN THE CONCRETE.**	2			Each
227	**Cracking (RC and Other)**	**UNDERWATER 2/27/19: F-2, H/L CRACK NEAR W/L.**	2	1		Each

General Comments

Bent 5 Pile 3

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/L- W/L. AGGREGATE REMAINS SECURE IN THE CONCRETE.**	2	1		Each

General Comments

Bent 5 Pile 4

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	0	1	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

227	**Delamination/Spall**	**3' LONG X 4" WIDE AREA OF DELAMINATION EAST FACE AT TOP**	3	1	Each
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/LONG- WIDE/LONG. AGGREGATE REMAINS SECURE IN THE CONCRETE.**	2		Each

General Comments

Bent 5 Pile 5

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/L- W/L. AGGREGATE REMAINS SECURE IN THE CONCRETE.**	2			Each
227	**Cracking (RC and Other)**	**UNDERWATER 2/27/19: F-1, H/L CRACK NEAR W/L.**	2	1		Each

General Comments

Bent 5 Pile 6

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/L- W/L. AGGREGATE REMAINS SECURE IN THE CONCRETE.**	2			Each
227	**Cracking (RC and Other)**	**UNDERWATER 2/27/19: F-8, H/L-1/16"CRACK AT WATER SURFACE.**	2	1		Each

General Comments

Bent 5 Pile 7

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/L- W/L. AGGREGATE REMAINS SECURE IN THE CONCRETE.**	2	1		Each

General Comments

Bent 5 Pile 8

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	**Cracking (RC and Other)**	**4' LONG X UP TO 1/16" WIDE VERTICAL CRACK ON SOUTH FACE AT TOP**	3		4	Each
227	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 2/27/19: COARSE AGGREGATE EXPOSED 1/4"-7/16" FROM M/L- W/L. AGGREGATE REMAINS SECURE IN THE CONCRETE.**	2			Each
227	**Cracking (RC and Other)**	**UNDERWATER 2/27/19: F-7, (2) H/L CRACKS NEAR W/L.**	2	1		Each
227	Scour	UNDERWATER 2/27/19: SCOUR AT P-8, DOWN STREAM- 3.7'	2			Each

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1924
Span 1	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 1	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 1	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 1	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 1	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1924
Span 2	Deck	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1924
Span 2	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 2	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 2	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 2	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 2	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 2	Expansion Joint	Standard Joint	Pourable Joint Seal	0
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1924
Span 3	Deck	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1924
Span 3	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 3	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 3	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 3	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 3	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 3	Expansion Joint	Standard Joint	Pourable Joint Seal	0
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1924
Span 4	Deck	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1924
Span 4	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 4	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 4	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 4	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 4	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 4	Expansion Joint	Finger Joint	Assembly Joint without Seal	0
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1924
Span 5	Deck	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1924
Span 5	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 5	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 5	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 5	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 5	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 5	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 5	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 5	Expansion Joint	Standard Joint	Pourable Joint Seal	0
Span 5	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1924
Span 6	Deck	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	1924
Span 6	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 6	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 6	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 6	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 6	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	48
Span 6	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 6	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	48
Span 6	Expansion Joint	Standard Joint	Pourable Joint Seal	0
Span 6	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1924
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
Bent 1	Pile 1	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 1	Pile 2	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 1	Pile 3	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 1	Pile 4	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 1	Pile 5	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 1	Pile 6	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 1	Pile 7	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 1	Pile 8	Reinforced Concrete Pile	Reinforced Concrete Pile	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	42
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	38
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	42
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	38
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
Bent 3	Pile 1	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 3	Pile 1	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 3	Pile 2	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 3	Pile 2	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 3	Pile 3	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 3	Pile 3	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 3	Pile 4	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 3	Pile 4	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 3	Pile 5	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 3	Pile 5	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 3	Pile 6	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 3	Pile 6	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 3	Pile 7	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 3	Pile 7	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 3	Pile 8	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 3	Pile 8	Reinforced Concrete Pile	Reinforced Concrete Pile	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Bent 4	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
Bent 4	Pile 1	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 4	Pile 2	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 4	Pile 3	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 4	Pile 4	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 4	Pile 5	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 4	Pile 6	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 4	Pile 7	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 4	Pile 8	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 5	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
Bent 5	Pile 1	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 5	Pile 2	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 5	Pile 3	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 5	Pile 4	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 5	Pile 5	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 5	Pile 6	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 5	Pile 7	Reinforced Concrete Pile	Reinforced Concrete Pile	1
Bent 5	Pile 8	Reinforced Concrete Pile	Reinforced Concrete Pile	1

General Inspection Notes

Bent 1 Pile 2

DUPLICATE DEFECT REMOVED

Span 2 Expansion Joint

Not Visible

Span 3 Expansion Joint

NOT VISIBLE

Span 4 Expansion Joint

NOT VISIBLE

Span 5 Expansion Joint

NOT VISIBLE

Span 6 Expansion Joint

NOT VISIBLE

National Bridge and NC Inspection Items

Structure Number: 770125 **Inspection Date:** 04/22/2022

National Bridge Inventory Items

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

Note:

Items 58,59,60,62 reflect this inspection only.

For overall NBI coding grade, see cover sheet.

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	**G**	**0**	**3376**
Drainage System	G, F, P, or C	**G**	**0**	**3332**
Utilities	G, F, P, or C	**G**		
Slope Protection	G, F, P, or C	**F**	**10**	**3352**
Scour	G, F, P, or C	**F**		
Wingwall	G, F, P, or C		**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		**U**		

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	**7**
Traffic Control Time	Hours	**6**
Snooper Time	Hours	**5**
Ladder Used	YES/NO	**N**
Bucket Truck Used	YES/NO	**N**
Boat Used	YES/NO	**N**
Other Equipment Used	YES/NO	**N**
Portion of Structure in > 3' of water	YES/NO	**Y**

National Bridge and NC SMU Inspection Item Details

Structure Number: 770125 **Inspection Date:** 04/22/2022

Item	Deck - Item 58	**Grade**	4	**Maint Code**		**Qty.**	0
Details	PREVIOUSLY GRADED 4.						

Item	Substructure - Item 60	**Grade**	4	**Maint Code**		**Qty.**	0
Details	RATING FROM 02/27/2019 UW INSPECTION						

Item	Snooper Used	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	HYDRA-PLATFORM USED						

Item	Slope Protection	**Grade**	F	**Maint Code**	3352	**Qty.**	10
Details	PAR -- 10' X 5" HIGH X 9" DEEP WASHOUT AND UNDERMINING OF THE SLOPE PROTECTION AT ABUTMENT 2						
	END BENT 1 SLOPE PROTECTION BERM, BELOW BAY 1, CAP 2' WIDE X 6" HIGH X UP TO 21" DEEP VOID CAUSED BY AN ANIMAL						

Item	Scour	**Grade**	F	**Maint Code**		**Qty.**	0
Details	SPAN 2 FULL LENGTH X FULL WIDTH X 2' DEEP SCOUR HOLE WITH STANDING WATER						

Item	General Comments and Misc Items	**Grade**	G	**Maint Code**		**Qty.**	0
Details	Sidewalk has settled up to 3" x full width at all corners						
	VEGITATION GROWTH ON TOP OF ALL CAPS AT OVERHANGS						

Item	Portion of structure in > 3' of water (Y or N)	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	BENTS 3, 4, AND 5						

Bent 2 Cap 1: UP TO 1/32" WIDE VERTICAL AND DIAGINAL CRACKS UP TO 2' LONG THROUGHOUT BOTH FACES

Bent 2 Cap 1: DELAMINATION ON NEAR FACE AT BOTTOM OF CAP 4' LONG X 6" HIGH.

Bent 2 Cap 1: NEAR FACE, (6) SPALLS UP TO 12" LONG X 4" WIDE X 1" DEEP UNDER BEAMS 4 AND 5.

Typical minor abrasion in piles up to 3' high on all faces, Bent 2 Pile 3 shown

Bent 2 Pile 6: AREA OF DELAMINATION CONCRETE. 8"DIAMETER X 1"DEEP.

Typical vertical hairline crack on Piles, Bent 2 Pile 7 shown

Bent 2 Pile 8: 1' x 8" SOUND PATCH AT TOP OF PILE ON EAST FACE

Sidewalk has settled up to 3" x full width at all corners, southwest corner shown

TYPICAL TRANSVERSE CRACK IN WEARING SURFACE FULL LENGTH X UP TO 1/4" WIDE, OVER ABUTMENT 1 SHOWN

Typical minor abrasion on sidewalks, Span 1 right sidewalk shown

Span 1 Left Bridge Rail: 10" long x 7" wide x 2" deep with exposed rebar with no measurable section loss in sidewalk at abutment 1

Typical sound patch interior face of rail post, Span 1 right rail shown

TYPICAL TRANSVERSE CRACKS UP TO FULL WIDTH X 1/2" WIDE, OVER BENT 3 SHOWN

Span 3 Right Bridge Rail: 2 SPALLS LOCATED 6' BEFORE BENT 3, 4" DIAMETER EACH UP TO 1" DEEP

Span 3 Left Bridge Rail: SPALL ON 2ND POST FROM BENT 3, SOUTH FACE, 3" LONG X 12" HIGH X 2" DEEP WITH EXPOSED REBAR WITH NO SECTION LOSS

Span 3 Left Bridge Rail: HAIRLINE CRACKS IN LEFT RAIL POSTS AT VARIOUS LOCATIONS THROUGHOUT

Span 3 Left Bridge Rail: (2) SPALLS UP TO 6" DIA. X 2" DEEP WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS IN RAIL POSTS

Span 3 Left Bridge Rail: UNSOUND PATCH ON LAST POST OF SPAN 3 LEFT RAIL. FULL FACE OF POST

Span 4 Left Bridge Rail: 6" DIAMETER X 1" DEEP SPALL WITH EXPOSED REBAR WITH NO SECTION LOSS. LOCATED AT MIDSPAN LEFT RAIL SPAN 4

Span 5 Left Bridge Rail: 4TH POST FROM BENT 5 UNSOUND PATCH ON TOP HALF OF INTERIOR FACE. PATCH IS DELAMINATED.

SIDEWALK AT EAST END, OVER END BENT 2, CORNER SPALL 8" X 6" X 1" DEEP

RIGHT SIDEWALK EAST END CORNER SPALL 9" X 7" X UP TO 3" DEEP

TYPICAL HAIRLINE VERTICAL CRACKS IN THE WEB AREA THROUGHOUT THE LENGTH OF THE BEAMS, SPAN 1 BEAM 5 SHOWN.

Span 1 Beam 5: 4.5' X 16" AREA PATCH 10' FROM END BENT 1. ON INTERIOR FACE OF WEB EXTENDING ON FULL WIDTH OF BOTTOM FLANGE AND EXTENDING 3" ON EXTERIOR FACE WITH 6" DIAMETER AREA OF DELAMINATION WITH HAIRLINE MAP CRACKING THROUGHOUT PATCH

Span 1 Beam 1: LARGE FAILING PATCH 15' LONG X 2' WIDE ON LEFT BOTTOM FACE 18" FROM END BENT 1

Span 1 Beam 1:12' FROM BENT 1. FAILING PATCH 8' LONG X FULL BEAM WIDTH ON THE BOTTOM OF THE BEAM AND BOTH FACES.

Span 1 Beam 1: 5' FROM END BENT 1, BOTTOM LEFT CORNER DELAMINATION 3' X 2' AREA

TYPICAL HAIRLINE DIAGONAL CRACKS ON WEB OF BEAM, SPAN 1 BEAM 1 SHOWN

Span 1 Beam 1: 12' LONG X UP TO 2' WIDE AREA OF DELAMINATION IN RIGHT FACE NEAR MIDSPAN

Span 1 Beam 5: PAR - 9' FROM BENT 1, BOTTOM OF BEAM BOTH SIDES, SPALL AND DELAMINATION 5' LONG X 6" HIGH X 3" DEEP WITH EXPOSED REBAR WITH MINOR SECTION LOSS

Span 1 Beam 5: 21' FROM END BENT 1, RIGHT SIDE 20" LONG X 3" DELAMINATION

Span 1 Beam 2: AT BENT 1, DELAMINATION 1' LONG X 5" WIDE BOTTOM RIGHT FLANGE

Bent 1 Cap 1: 5' LONG X 12" HIGH AREA OF DELAMINATION ON WEST FACE IN BAY 2

TYPICAL HAIRLINE TO 1/32" VERTICAL/HORIZONTAL CRACKS IN CAP, BENT 1 CAP SHOWN

Bent 1 Cap 1: (15) UP TO 5" DIAMETER X 1" DEEP ROUND POP OUT SPALLS WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS ON WEST FACE

SPAN 2 FULL LENGTH X FULL WIDTH X 2' DEEP SCOUR HOLE WITH STANDING WATER

VEGITATION GROWTH ON TOP OF ALL CAPS UNDER OVERHANGS, BENT 1 RIGHT SIDE SHOWN, ALL OTHERS SIMILAR

Bent 1 Cap 1: (3) SOUND PATCHS UP TO 4' LONG X 3' WIDE ON EAST FACE AT VARIOUS LOCATIONS

Span 2 Beam 5: 9' FROM BENT 1. 2' LONG X 5" HIGH AREA OF DELAMINATION WITH ASSOCIATED CRACKING IN RIGHT BOTTOM FACE

Span 2 Beam 1: PAR -- 12' LONG X FULL WIDTH OF BOTTOM FLANGE EXTENDING 3" ON BOTH FACES AREA OF DELAMINATION WITH 2' LONG X FULL WIDTH X 3" DEEP SPALL WITH EXPOSED REBAR WITH MINIOR SECTION LOSS STARTING 2' FROM BENT 1

Span 2 Beam 1: SOUND PATCHED AREAS ON THE BOTTOM OF THE BEAM INTERMITTENT THROUGHOUT SPAN EXTENDING 16" FROM BOTTOM OF BEAM ON INTERIOR AND EXTERIOR FACES

Span 2 Beam 1: 3.5' LONG X 6" WIDE AREA OF DELAMINATION IN BOTTOM RIGHT FACE AT MIDSPAN

Span 2 Beam 1: 1' LONG X 3" WIDE X 1" DEEP SPALL WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS IN RIGHT FACE NEAR MIDSPAN

Span 2 Beam 1: PATCHED AREAS ON BOTH FACES THROUGHOUT THE LENGTH OF THE BEAM ARE BEGINNING TO FAIL AND SHOW DELAMINATION

Span 2 Beam 2: 2' LONG X FULL WIDTH AREA OF DELAMINATION IN BOTTOM FACE AT BENT 2

Bent 2 Cap 1: 2' LONG X 4" HIGH DELAMINATION WITH DETERIORATED CONCRETE AND CRACKS UNDER BEAM 2

Span 2 Beam 4: 1/8" WIDE X 1' LONG HORIZONTAL CRACK ON BOTTOM LEFT FACE AT BENT 2

Span 3 Beam 4: 1' LONG X 8" WIDE X 2" DEEP SPALL IN BOTTOM FACE AT BENT 2

Span 3 Beam 1: 25' LONG X 8" WIDE ON BOTTOM FACE AND EXTENDING UP TO 2' HIGH ON WEB AREA OF DELAMINATION IN RIGHT FACE STARTING 4' FROM PIER 3

Span 4 Beam 1: 1' HIGH X 1' WIDE SOUND PATCHED AREA AT BENT 3 WITH HAIRLINE HORIZONTAL CRACKING

Bent 3 Pile 5: 20" LONG X 16" WIDE AREA OF DELAMINATION ON THE WEST FACE AT TOP OF PILE

Bent 3 Pile 8: SOUND PATCH WITH HORIZONTAL CRACKS AT TOP OF PILE EAST FACE

Bent 3 Pile 8: 5' BELOW THE CAP, 3' LONG X 12" WIDE X 2" DEEP WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS

Span 4 Beam 5: 2.5' LONG X FULL WIDTH OF BOTTOM FLANGE AND EXTENDING 4" ON BOTH FACES SOUND PATCHED AREA 10' FROM BEANT 4

Span 4 Beam 1: 25' LONG X FULL WIDTH AND EXTENDING UP TO 3" HIGH ON BOTH FACES AREA OF DELAMINATION STARTING 5' FROM BENT 3

Span 4 Beam 1: 4' LONG X 1' WIDE SOUND PATCH AREA EXTEDING 1.5' LONG ON BOTTOM FACE, LEFT FACE 15' FROM BENT 3

Span 4 Beam 3: 1' LONG X 10" HIGH SOUND PATCHED AREA IN LEFT FACE OF WEB AT BENT 3

Span 4 Beam 1: CONSTRUCTION FORMS LEFT IN PLACE

Span 4 Beam 2: 1' LONG X FULL WIDTH AREA OF DELAMINATION IN BOTTOM FLANGE AT BENT 4

Span 4 Beam 3: 8" LONG X FULL WIDTH X 2" DEEP SPALL WITH NO EXPOSED REBAR IN BOTTOM FLANGE AT BENT 4

Span 4 Beam 4: 1.5' LONG X FULL WIDTH AREA OF DELAMINATION IN BOTTOM FLANGE AT BENT 4

Span 4 Beam 5: PAR --- 2' LONG X UP TO 1' HIGH X 3" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS IN RIGHT FACE FACE OF WEB AT BENT 4

Bent 4 Cap 1: WEST FACE BELOW BEAM 5, 12" HIGH X 18" WIDE X 2" DEEP SPALL WITH EXPOSED REBAR. AREA HAS BEEN COATED AND STEEL IS NOT CORRODED. ADJACENT 24" X 16" DELAMINATION

Bent 4 Cap 1: (2) AREAS OF DELAMINATION IN WEST FACE OF CAP IN BAY 2, UP TO 3' LONG X 3' WIDE

Bent 4 Pile 8: 1' LONG X 1/16" WIDE VERTICAL CRACK IN WEST FACE OF PILE AT CAP

Bent 4 Cap 1: CORNER SPALL ON LEFT END TOP, 1' LONG X 10" WIDE X 3" DEEP, PREVIOUSLY COATED AREA

Bent 4 Cap 1: 3' LONG X 1.5' AREA OF DELMINATION WITH DETERIORATING CONCRETE IN EAST FACE BELOW BEAM 4

Bent 4 Cap 1: PAR -- SPALL 36" HIGH X 16" WIDE X 2.5" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS

Bent 4 Pile 4: (2) UP TO 2' LONG X 1/16" WIDE VERTICAL CRACKS IN NORTH AND NORTHEAST FACE OF PILE AT TOP

Span 5 Beam 1: 20' LONG X FULL WIDTH AREA OF DELAMINATION IN BOTTOM FLANGE EXTENDING UP TO 2' IN BOTH FACES OF WEB, STARTING 3' FROM BENT 4

Span 5 Beam 1: SOUND PATCH 24" LONG X 10" HIGH ON RIGHT FACE IN THE WEB AREA NEAR MID SPAN

Span 5 Deck: 6' LONG X 7" WIDE X 1" DEEP SPALL WITH EXPOSED REBAR IN DECK UNDERSIDE LEFT OVERHANG. AREA HAS BEEN PAINTED OVER

Span 5 Beam 5: 2.5' LONG X FULL WIDTH OF BOTTOM FLANGE SOUND PATCH AREA EXTENDING UP TO 1' ON BOTH FACES OF WEB, NEAR MIDSPAN

Span 5 Beam 2: 10" LONG X FULL WIDTH SOUND PATCH ON BOTTOM FLANGE AT BENT 5

Bent 5 Cap 1: PAR -- 8" LONG X 15" HIGH X 1" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS ON WEST FACE AT PILE 8

Bent 5 Cap 1: (3) UP TO 3' LONG X 2' HIGH SOUND PATCES IN WEST FACE AT VARIOUS LOCATIONS

Bent 5 Cap 1: (2) 18" LONG X 15" WIDE AREA OF DELAMINATIONS ON THE WEST FACE AT BOTH ENDS OF CAP LEFT END SHOWN

Span 5 Beam 2: (2) 5" DIA. X 1" DEEP SPALLS WITH EXPOSED REBAR IN BOTTOM FLANGE AT 5' AND 10' FROM PIER 5

Bent 5 Pile 8: 4' LONG X UP TO 1/16" WIDE VERTICAL CRACK ON SOUTH FACE AT TOP

END BENT 1 SLOPE PROTECTION BERM, BELOW BAY 1, CAP 2' WIDE X 6" HIGH X UP TO 21" DEEP VOID CAUSED BY AN ANIMAL

End Bent 1 Cap 1: PAR -- SPALL 16" X UP TO 12" X UP TO 1" DEEP UNDER LEFT OVERHANG WITH EXPOSED REBAR 5 " LONG

End Bent 1 Cap 1: 2 FULL HEIGHT X HAIRLINE TO 1/32" WIDE VERTICAL CRACKS AT BAY 2 AND 3

PAR -- 10' X 5" HIGH X 9" DEEP WASHOUT AND UNDERMINING OF THE SLOPE PROTECTION AT ABUTMENT 2

Bent 5 Cap 1: (2) UP TO 12" HIGH X 12" LONG X 3" DEEP SPALLS WITH NO EXPOSED REBAR ON EAST FACE UNDER BAY 1

Bent 5 Pile 1: 3' LONG X 4" WIDE AREA OF DELAMINATION EAST FACE AT TOP

Bent 5 Pile 4: 3' LONG X 4" WIDE AREA OF DELAMINATION EAST FACE AT TOP

Span 6 Beam 5: PAR -- 20" LONG X FULL BOTTOM WIDTH X 3" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS IN BOTTOM OF FLANGE 10' FROM BENT 6

Span 6 Beam 1: PAR -- 20" LONG X 12" WIDE X 1" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS AND 10" DIA. AREA OF DELAMINATION BELOW SPALL, IN RIGHT FACE AT DIAPHRAGM

Span 6 Beam 1: 4' LONG X 5" SOUND PATCH ON LEFT FACE OF BEAM LOCATED 5' FROM END BENT 2

Span 6 Beam 1: 18' LONG X FULL WIDTH AREA OF DELAMINATION IN BOTTOM FLANGE EXTENDING UP TO 1' ON BOTH FACES OF WEB STARTING 10' FROM END BENT 2

End Bent 2 Cap 1: 3" HIGH X 4" LONG X 1" DEEP SPALL, NO EXPOSED REBAR AT BEAM 5

Stream Bed Soundings

(Profile diagram on following sheet)

County **ROBESON** Structure Number: **770125** Inspection Date **04/22/2022**

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

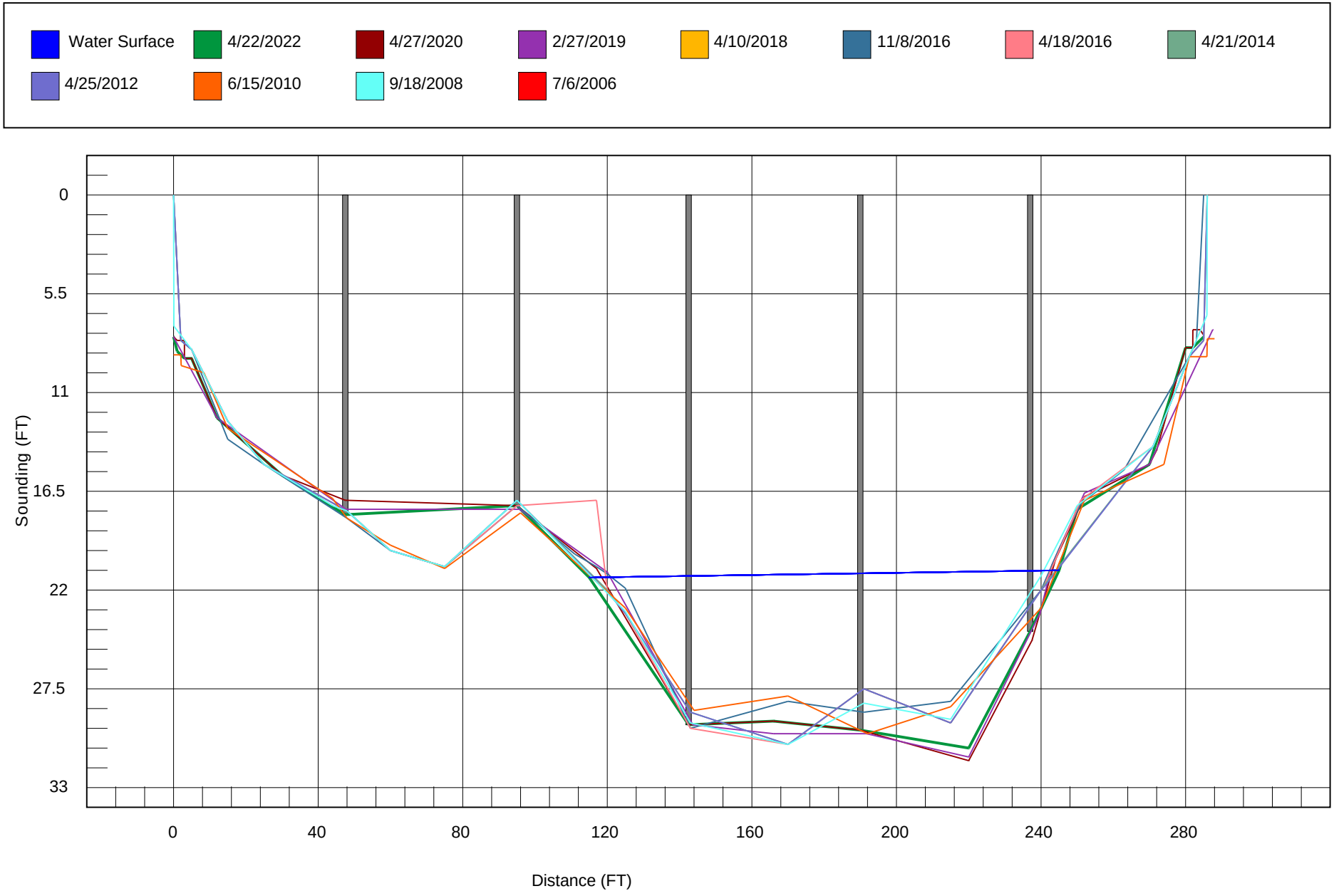
Highwater Mark Distance **19** Location of Highwater Mark **EVIDENCE ON BANK**

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	7.900	0.000	FF ABUT. 1
1.000	8.700	0.000	TOC
3.010	9.100	7.700	SF ABUT. 1
5.000	9.100	0.000	TOP OF SLOPE
12.000	12.400	0.000	TOE OF SLOPE
30.000	15.600	0.000	
47.500	17.800	19.700	BENT 1
95.000	17.300	17.500	BENT 2
115.000	21.300	0.000	WSWE
142.500	29.500	26.500	BENT 3
166.000	29.300	0.000	
190.000	29.800	29.700	BENT 4
220.000	30.800	0.000	
237.000	24.300	23.500	BENT 5
245.000	20.900	0.000	WSWE
250.000	17.500	0.000	
270.000	15.000	0.000	TOE OF SLOPE
280.000	8.500	0.000	TOP OF SLOPE
281.990	8.500	7.800	SF ABUT. 2
284.000	8.100	0.000	TOC
285.000	7.900	0.000	FF ABUT. 2

Bridge: 770125 County: ROBESON Date: 04/22/2022

STREAMBED PROFILE (Downstream)

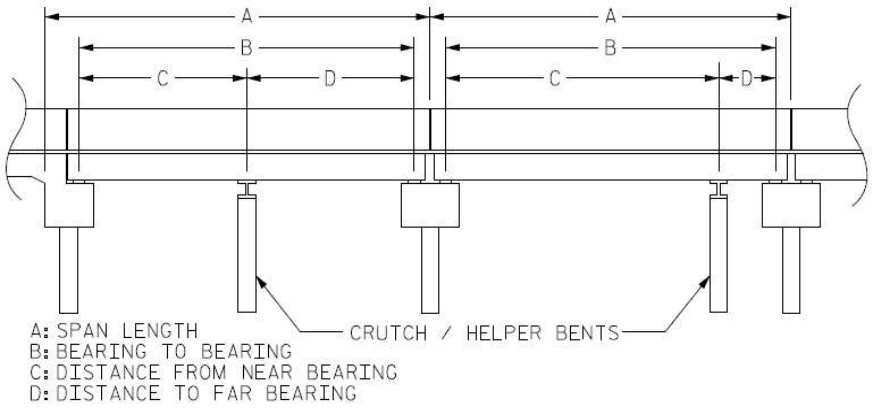
Top of Rail = 0FT (Sounding)



Structure Data Worksheet

Span Profile

County: **ROBESON** Structure Number: **770125**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	47.500	44.670			
2	47.500	45.920			
3	47.500	45.920			
4	47.500	45.920			
5	47.500	45.920			
6	47.500	44.670			

Looking West

Looking North upstream

Typical light post attached to rails, left rail shown

Looking South downstream

Looking East

South elevation

Abutment 1, Abutment 2 similar

North elevation

Superstructure underside, Span 3 shown, all others similar

Pier 3 shown, all others similar

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 770125 County ROBESON 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	12	Span 2 Beam 1: PAR -- 12' LONG X FULL WIDTH OF BOTTOM FLANGE EXTENDING 3" ON BOTH FACES AREA OF DELAMINATION WITH 2' LONG X FULL WIDTH X 3" DEEP SPALL WITH EXPOSED REBAR WITH MINIOR SECTION LOSS STARTING 2' FROM BENT 1	
3306	Maintain Concrete Superstructure Components	SF	2	Span 4 Beam 5: PAR -- 2' LONG X UP TO 1' HIGH X 3" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS IN RIGHT FACE OF WEB AT BENT 4	
3306	Maintain Concrete Superstructure Components	SF	5	Span 1 Beam 5: PAR -- 9' FROM BENT 1, BOTTOM OF BEAM BOTH SIDES, SPALL AND DELAMINATION 5' LONG X 6" HIGH X 3" DEEP WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS	
3306	Maintain Concrete Superstructure Components	SF	2	Span 6 Beam 1: PAR -- 20" LONG X 12" WIDE X 1" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS AND 10" DIA. AREA OF DELAMINATION BELOW SPALL, IN RIGHT FACE AT DIAPHRAGM	
3306	Maintain Concrete Superstructure Components	SF	2	Span 6 Beam 5: PAR -- 20" LONG X FULL WIDTH X 3" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS IN BOTTOM FLANGE 10' FROM BENT 6	
3348	Maintain Concrete Substructure Components	LF	2	End Bent 1 Cap 1: PAR -- SPALL 16" X UP TO 12" X UP TO 1" DEEP UNDER LEFT OVERHANG WITH EXPOSED REBAR 5 " LONG	
3348	Maintain Concrete Substructure Components	LF	2	Bent 4 Cap 1: PAR -- 36" HIGH X 16" WIDE X 2.5" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS	
3348	Maintain Concrete Substructure Components	LF	1	Bent 5 Cap 1: PAR -- 8" LONG X 15" HIGH X 1" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS ON WEST FACE AT PILE 8	
3352	Maint Slope Protection	SF	10	PAR -- 10' X 5" HIGH X 9" DEEP WASHOUT AND UNDERMINING OF THE SLOPE PROTECTION AT ABUTMENT 2	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 770125 County ROBESON

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	12 SF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/22/2022	Tanner Hartley	

Details

Span 2 Beam 1: PAR -- 12' LONG X FULL WIDTH OF BOTTOM FLANGE EXTENDING 3" ON BOTH FACES AREA OF DELAMINATION WITH 2' LONG X FULL WIDTH X 3" DEEP SPALL WITH EXPOSED REBAR WITH MINIOR SECTION LOSS STARTING 2' FROM BENT 1

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/22/2022	Tanner Hartley	

Details

Span 4 Beam 5: PAR -- 2' LONG X UP TO 1' HIGH X 3" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS IN RIGHT FACE OF WEB AT BENT 4

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 770125 County ROBESON

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	5 SF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/22/2022	Tanner Hartley	

Details

Span 1 Beam 5: PAR -- 9' FROM BENT 1, BOTTOM OF BEAM BOTH SIDES, SPALL AND DELAMINATION 5' LONG X 6" HIGH X 3" DEEP WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/22/2022	Tanner Hartley	

Details

Span 6 Beam 1: PAR -- 20" LONG X 12" WIDE X 1" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS AND 10" DIA. AREA OF DELAMINATION BELOW SPALL, IN RIGHT FACE AT DIAPHRAGM

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 770125 County ROBESON

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF

Location:	
Bent/Span No.	
Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
04/22/2022	Tanner Hartley	

Details

Span 6 Beam 5: PAR -- 20" LONG X FULL WIDTH X 3" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS IN BOTTOM FLANGE 10' FROM BENT 6

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	2 LF

Location:	
Bent/Span No.	
Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
04/22/2022	Tanner Hartley	

Details

End Bent 1 Cap 1: PAR -- SPALL 16" X UP TO 12" X UP TO 1" DEEP UNDER LEFT OVERHANG WITH EXPOSED REBAR 5 " LONG

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 770125 County ROBESON

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	2 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/22/2022	Tanner Hartley	

Details

Bent 4 Cap 1: PAR -- 36" HIGH X 16" WIDE X 2.5" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	1 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/22/2022	Tanner Hartley	

Details

Bent 5 Cap 1: PAR -- 8" LONG X 15" HIGH X 1" DEEP SPALL WITH EXPOSED REBAR WITH MINOR SECTION LOSS ON WEST FACE AT PILE 8

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 770125 County ROBESON

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

MMS Code	MMS Description	Quantity
3352	Maint Slope Protection	10 SF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
04/28/2022	Tanner Hartley	

Details
PAR -- 10' X 5" HIGH X 9" DEEP WASHOUT AND UNDERMINING OF THE SLOPE PROTECTION AT ABUTMENT 2

Bridge Inspection Field Sketch

MEASUREMENTS TAKEN 30 FEET WEST OF BRIDGE

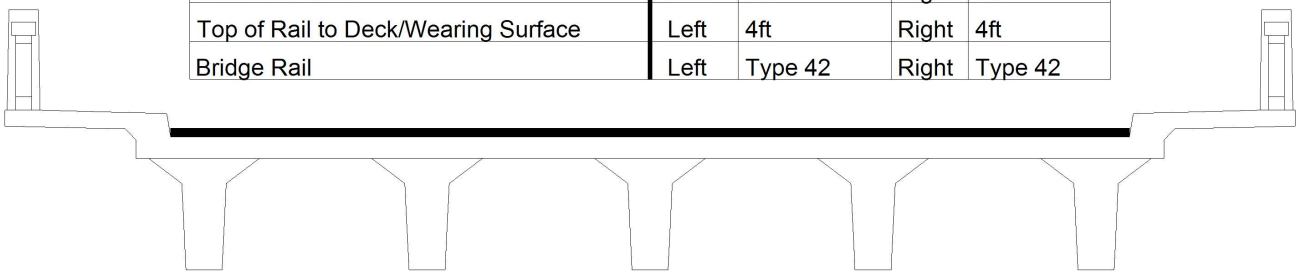
Roadway	24ft Wide	2 Paved Lanes	Looking East
Left Shoulder	6ft Wide	2.5ft Paved	3.5ft Unpaved
Right Shoulder	7.5ft Wide	2.5ft Paved	5ft Unpaved
Left Guardrail			
Right Guardrail			

MEASUREMENTS VERIFIED BY TBH...4/22/2022

Title	**Description**		
APPROACH ROADWAY	LOOKING EAST		
Bridge No: 770125	**Drawn By:** RJH	**Date:** 07/02/2006	**File Name:** S0256000020

Bridge Inspection Field Sketch

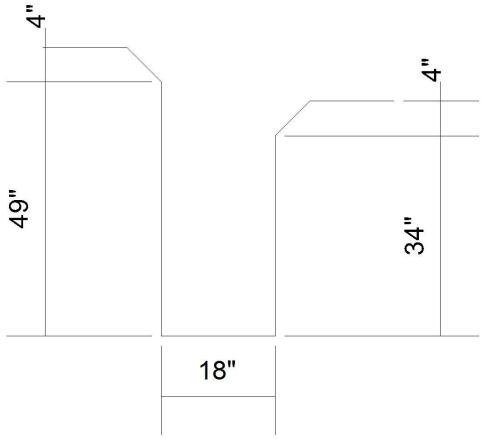
Deck Width/Out to Out	40.5ft	Between Rails			38ft
Clear Roadway	28ft	Wearing Surface			0.33ft
Median Width		Median Height			
Curb Height		Left	0.5ft	Right	0.5ft
Sidewalk Width		Left	5ft	Right	5ft
Clear Roadway (Rail to Median)		Left		Right	
Guardrail Width		Left	1ft	Right	1ft
Top of Rail to Deck/Wearing Surface		Left	4ft	Right	4ft
Bridge Rail		Left	Type 42	Right	Type 42



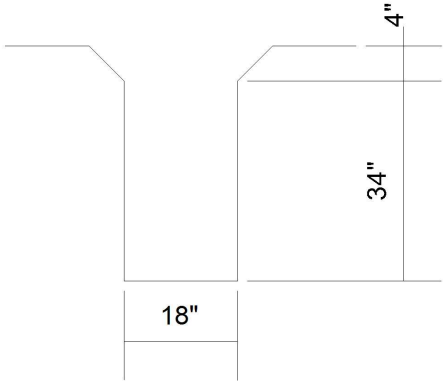
Measurements for Span #	1	ALL SPANS ARE SIMILAR	
Deck Thickness	0.625	Left Overhang	6.25
Top of Rail to Bottom of Beam	8.125	Right Overhang	6.25

Beam Number	Beam Type	Spacing	Comments
1	RC Deck Girder	7ft	
2	RC Deck Girder	7ft	
3	RC Deck Girder	7ft	
4	RC Deck Girder	7ft	
5	RC Deck Girder	ft	

E.BTS RC CAP/PPC PILES



Beams 1, 5



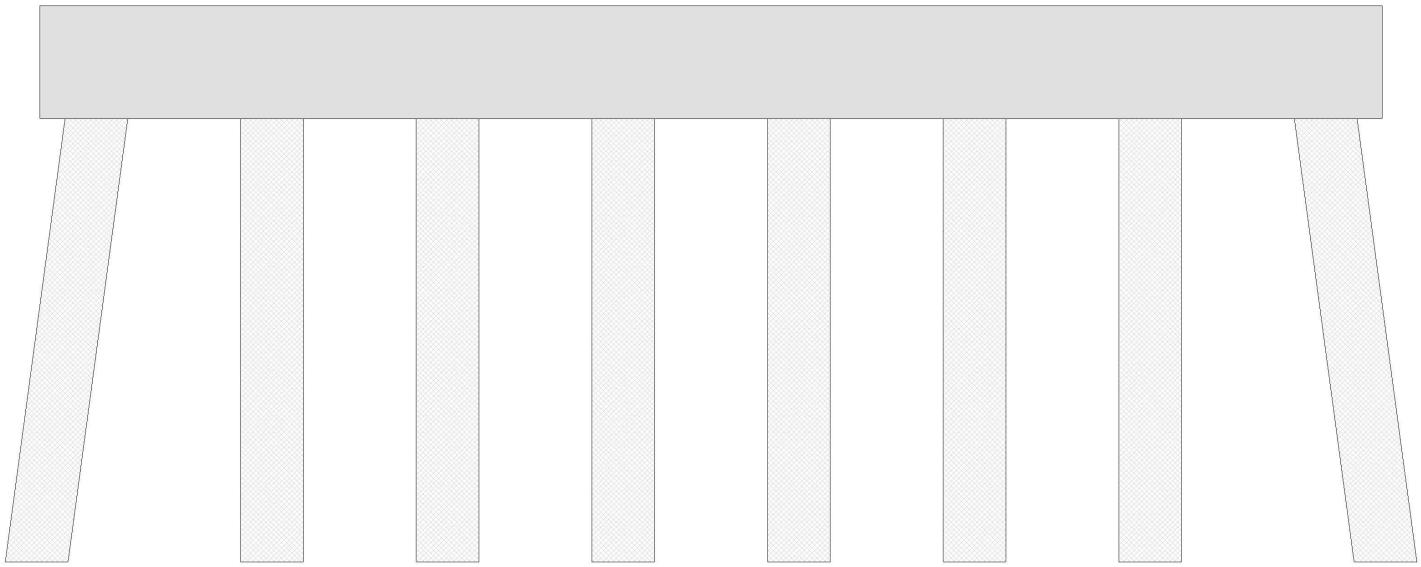
Beams 2-4

MEASUREMENTS VERIFIED BY TBH...4/22/2022

Title	Description
SUPERSTRUCTURE	SIMILAR SECTION

Bridge No:	Drawn By:	Date:	File Name:
770125	RLK	4/21/2014	S0256000021

Bridge Inspection Field Sketch



Cap Information			Material Cast-in-Place Concrete			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
35.667 ft.	3.000 ft.	3.000 ft.	1.500 ft.	1.500 ft.	3.83 ft.	3.83 ft.

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

Sill Information			Material
Length	Width	Height	

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	4.667 ft.	1.667 ft.		1.667 ft.	Battered	No	No	No	No
2	Concrete	4.667 ft.	1.667 ft.		1.667 ft.	Vertical	No	No	No	No
3	Concrete	4.667 ft.	1.667 ft.		1.667 ft.	Vertical	No	No	No	No
4	Concrete	4.667 ft.	1.667 ft.		1.667 ft.	Vertical	No	No	No	No
5	Concrete	4.667 ft.	1.667 ft.		1.667 ft.	Vertical	No	No	No	No
6	Concrete	4.667 ft.	1.667 ft.		1.667 ft.	Vertical	No	No	No	No
7	Concrete	4.667 ft.	1.667 ft.		1.667 ft.	Vertical	No	No	No	No
8	Concrete		1.667 ft.		1.667 ft.	Battered	No	No	No	No

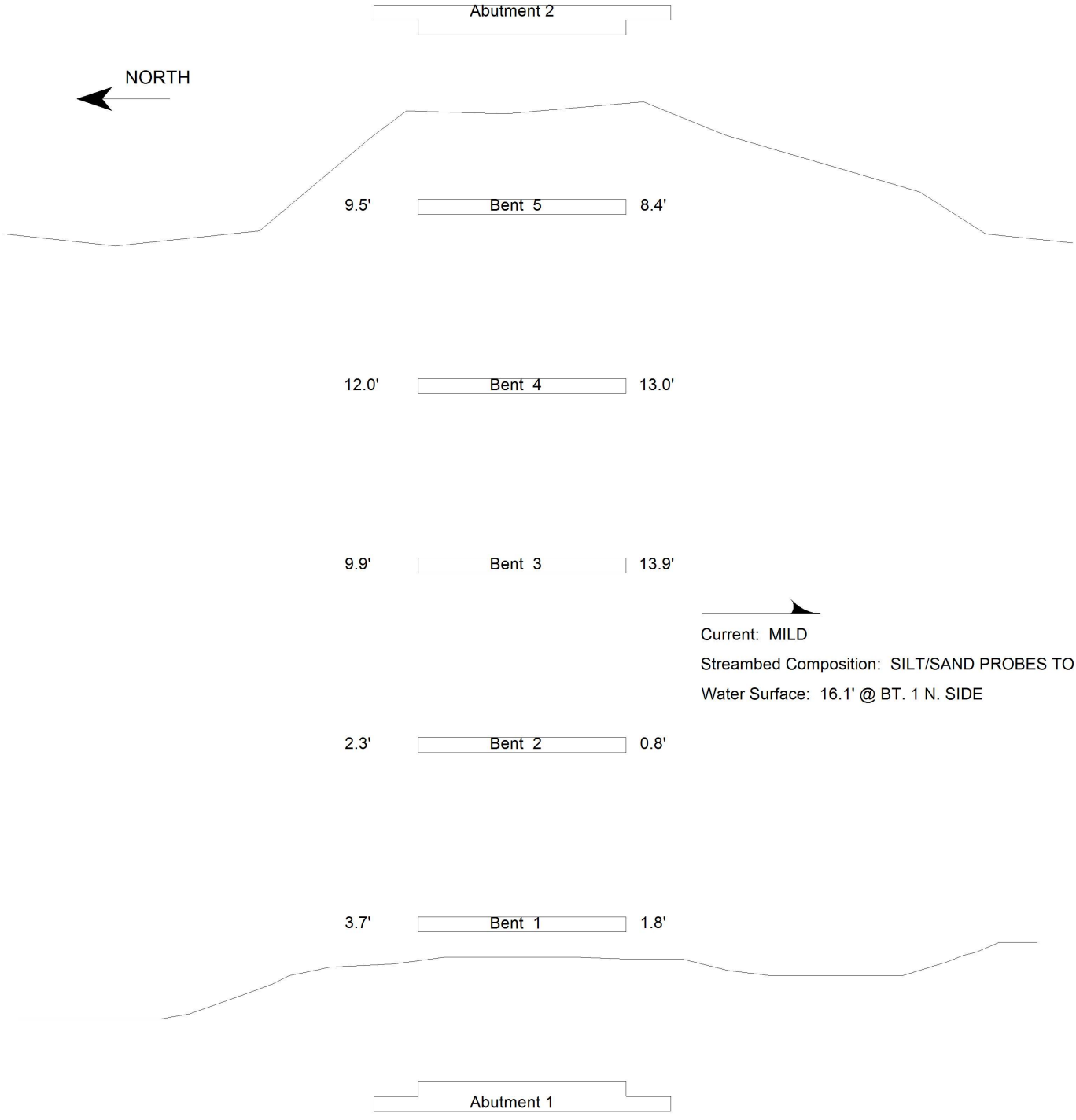
MEASUREMENTS VERIFIED BY TBH...4/22/2022

Bent/Abutment #: 1 Similar Bents: 2-5

Title	**Description**
SUBSTRUCTURE	SIMILAR BENTS

Bridge No: 770125	**Drawn By:** RLK	**Date:** 4/21/2014	**File Name:** S0256000022

Bridge Inspection Field Sketch



VERIFIED BY JER 2/27/19

Title	**Description**		
PLAN VIEW	RC CAPS/PPC PILES		
Bridge No: 770125	**Drawn By:** JCB	**Date:** 03/05/2007	**File Name:** S0158000358

Bridge Inspection Field Sketch

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Title	Description
DELETE	DELETE

Bridge No:	Drawn By:	Date:	File Name:
770125	PLN	5/1/2020	S0454000440