NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PAR'S ISSUED, DATA CHANGES

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 04/08/2022

DIVISION: 2 **COUNTY:** LENOIR **STRUCTURE NUMBER:** 530020 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: NC55 **MILE POST:**

LOCATION: 2.4 MI E. JCT. NC11

FEATURE INTERSECTED: NEUSE RIVER

LATITUDE: 35° 17' 44.58" **LONGITUDE:** 77° 29' 46.94"

SUPERSTRUCTURE: RC FLOOR/I-BEAMS & RCDG

SUBSTRUCTURE: E.BTS&INT.BTS:RC CAP/PPC PILES @ VAR. CTS.

SPANS: 10 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

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

GRADES: (Inspector/NBI Coding) **DECK** 7 / 7 **SUPERSTRUCTURE** 6 / 6 **SUBSTRUCTURE** 6 / 6 **CULVERT** N / N

POSTED SV: 30 **POSTED TTST:** 31

OTHER SIGNS PRESENT: (2) NARROW BRIDGE

WEST APPROACH 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 YES

INSPECTED BY	SIGNATURE	ASSISTED BY
JOHN DUBIEL	John Dubiel	JAMES SUTHERLAND

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

05/18/2022

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE **530020**
(8) STRUCTURE NUMBER (FEDERAL) **1070020**
(5) INVENTORY ROUTE (ON/UNDER) ON **131000550**
(2) STATE HIGHWAY DEPARTMENT DISTRICT **2**
(3) COUNTY CODE (FEDERAL) **107** (4) PLACE CODE **00000**
(6) FEATURE INTERSECTED **NEUSE RIVER**
(7) FACILITY CARRIED **NC55**
(9) LOCATION **2.4 MI E. JCT. NC11**
(11) MILEPOINT **0.0**
(12) BASE HIGHWAY NETWORK **0**
(13) LRS INVENTORY ROUTE & SUBROUTE
(16) LATITUDE **35° 17' 44.58"** (17) LONGITUDE **77° 29' 46.94"**
(98) BORDER BRIDGE STATE CODE PERCENT SHARED
(99) BORDER BRIDGE STRUCTURE NUMBER

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN **Steel**
TYPE **Stringer/Multi-beam or girder** CODE **302**
(44) STRUCTURE TYPE APPROACH **Concrete**
TYPE **Tee Beam** CODE **104**
(45) NUMBER OF SPANS IN MAIN UNIT **1**
(46) NUMBER OF SPANS IN APPROACH **9**
(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 **1937**
(106) YEAR RECONSTRUCTED **0**
(42) TYPE OF SERVICE ON - **Highway**
OFF - **Waterway** CODE **15**
(28) LANES ON STRUCTURE **2** LANES UNDER STRUCTURE **0**
(29) AVERAGE DAILY TRAFFIC **2700**
(30) YEAR OF ADT **2019** (109) TRUCK ADT PCT **7**
(19) BYPASS OR DETOUR LENGTH **15.0**

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN **64.0**
(49) STRUCTURE LENGTH **515.0**
(50) CURB OR SIDEWALK: LEFT **0.6** RIGHT **0.6**
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB **24.0**
(52) DECK WIDTH OUT TO OUT **27.3**
(32) APPROACH ROADWAY WITH (W/ SHOULDERS) **22.0**
(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 **24.0**
(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 **55.75**
STATUS = **Functionally Obsolete**

CLASSIFICATION — CODE

(112) NBIS BRIDGE SYSTEM **YES**
(104) HIGHWAY SYSTEM **Inventory Route not on NHS** **0**
(26) FUNCTIONAL CLASS **Rural Major Collector** **07**
(100) STRAHNET HIGHWAY **Not a STRAHNET Route** **0**
(101) PARALLEL STRUCTURE **No parallel structure exists** **N**
(102) DIRECTION OF TRAFFIC **2-way traffic** **2**
(103) TEMPORARY STRUCTURE
(110) DESIGNATED NATIONAL NETWORK - **on national network for trucks** **0**
(20) TOLL **On Free Road** **3**
(21) MAINT - **01**
(22) OWNER - **01**
(37) HISTORICAL SIGNIFICANCE - **5**

CONDITION — CODE

(58) DECK **7**
(59) SUPERSTRUCTURE **6**
(60) SUBSTRUCTURE **6**
(61) CHANNEL & CHANNEL PROTECTION **7**
(62) CULVERTS **N**

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD **HS 15** **3**
(63) OPERATING RATING METHOD - **Load Factor** **1**
(64) OPERATING RATING - **HS-18** **33**
(65) INVENTORY RATING METHOD - **1**
(66) INVENTORY RATING **HS-11** **20**
(70) BRIDGE POSTING **Posting Required** **3**
(41) STRUCTURE OPEN, POSTED, OR CLOSED **P**
DESCRIPTION **Posted for Load**

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION **5**
(68) DECK GEOMETRY **2**
(69) UNDERCLEARANCES, VERT & HORIZ **N**
(71) WATERWAY ADEQUACY **7**
(72) APPROACH ROADWAY ALIGNMENT **8**
(36) TRAFFIC SAFETY FEATURES **0011**
(113) SCOUR CRITICAL BRIDGES **8**

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT
(94) BRIDGE IMPROVEMENT COST
(95) ROADWAY IMPROVEMENT COST
(96) TOTAL PROJECT COST
(97) YEAR OF IMPROVEMENT COST ESTIMATE
(114) FUTURE ADT **5,400** 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 **48** B) **08/21**
C) OTHER SPECIAL INSP C)
SCOUR

Superstructure Build Details

Span Number 1 **Span Length** 50.0000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1200 Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292 Square Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200 Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100 Feet		

Span Number 2 **Span Length** 50.0000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Standard Joint	Pourable Joint Seal	26 Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100 Feet		
1	Asphalt Wearing Surface	Wearing Surface	1200 Square Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292 Square Feet		

Span Number 3 **Span Length** 50.0000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Standard Joint	Pourable Joint Seal	26 Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100 Feet		
1	Asphalt Wearing Surface	Wearing Surface	1200 Square Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292 Square Feet		

Span Number 4 **Span Length** 50.0000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292 Square Feet		
1	Standard Joint	Pourable Joint Seal	26 Feet		

Superstructure Build Details

2	Concrete Railing	Reinforced Concrete Bridge Railing	100 Feet		
1	Asphalt Wearing Surface	Wearing Surface	1200 Square Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200 Feet		

Span Number 5 **Span Length** 50.0000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1200 Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292 Square Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200 Feet		
1	Standard Joint	Pourable Joint Seal	26 Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100 Feet		

Span Number 6 **Span Length** 65.0000 **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	130 Feet		
5	Plate Girder	Steel Open Girder/Beam	325 Feet	Legacy Red Lead Primer Systems with Various Topcoats	3300
1	Standard Joint	Pourable Joint Seal	26 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1679 Square Feet		
5	Movable Bearing	Movable Bearing	5 Each	Legacy Red Lead Primer Systems with Various Topcoats	5
1	Asphalt Wearing Surface	Wearing Surface	1560 Square Feet		
5	Fixed Bearing	Fixed Bearing	5 Each	Legacy Red Lead Primer Systems with Various Topcoats	5

Span Number 7 **Span Length** 50.0000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Standard Joint	Pourable Joint Seal	26 Feet		
1	Asphalt Wearing Surface	Wearing Surface	1200 Square Feet		

Superstructure Build Details

2	Concrete Railing	Reinforced Concrete Bridge Railing	100 Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292 Square Feet		

Span Number 8 **Span Length** 50.0000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1200 Square Feet		
1	Standard Joint	Pourable Joint Seal	26 Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100 Feet		

Span Number 9 **Span Length** 50.0000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1200 Square Feet		
1	Standard Joint	Pourable Joint Seal	26 Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100 Feet		

Span Number 10 **Span Length** 50.0000 **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	100 Feet		
1	Asphalt Wearing Surface	Wearing Surface	1200 Square Feet		
1	Standard Joint	Pourable Joint Seal	26 Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200 Feet		

Superstructure Build Details

1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292 Square Feet		

Structure Element Scoring

Structure Number: **530020**

Inspection Date **4/8/2022**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	13307	13305	1	1	0
107	0	Steel Open Girder/Beam	Beam	325	1	315	6	3
515	107	Steel Protective Coating	Beam	3300	2288	0	1000	12
110	0	Reinforced Concrete Open Girder/Beam	Beam	1800	1724	23	39	14
215	0	Reinforced Concrete Abutment	Abutments	70	10	0	0	60
226	0	Prestressed Concrete Pile	Piles and Columns	55	16	33	2	4
234	0	Reinforced Concrete Pier Cap	Caps	295	182	68	43	2
301	0	Pourable Joint Seal	Expansion Joints	234	234	0	0	0
311	0	Movable Bearing	Bearing Device	5	0	5	0	0
515	311	Steel Protective Coating	Bearing Device	5	0	0	5	0
313	0	Fixed Bearing	Bearing Device	5	0	1	4	0
515	313	Steel Protective Coating	Bearing Device	5	0	0	1	4
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	1030	1028	2	0	0
510	0	Wearing Surface	Wearing Surfaces	12360	11789	339	232	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **530020** Inspection Date: **04/08/2022**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	2 Square Feet
3314	Steel Open Girder/Beam	Distortion	3 Feet
3314	Steel Open Girder/Beam	Corrosion	6 Feet
3306	Reinforced Concrete Open Girder/Beam	Delamination/Spall	50 Feet
3306	Reinforced Concrete Open Girder/Beam	Cracking (RC and Other)	3 Feet
3306	Reinforced Concrete Open Girder/Beam	Exposed Rebar	2 Feet
3350	Reinforced Concrete Abutment	Scour	60 Feet
3348	Prestressed Concrete Pile	Delamination/Spall	20 Each
3348	Prestressed Concrete Pile	Cracking (PSC)	2 Each
3348	Prestressed Concrete Pile	Abrasion/Wear (PSC/RC)	4 Each
3348	Reinforced Concrete Pier Cap	Patched Area	1 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	20 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	37 Feet
3334	Fixed Bearing	Corrosion	4 Each
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	1 Feet
3318	Reinforced Concrete Bridge Railing	Exposed Rebar	1 Feet
2816	Wearing Surface	Crack (Wearing Surface)	259 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	1022 Square Feet

Element Structure Maintenance Quantities

Structure Number: **530020** Inspection Date **04/08/2022**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	60	70	60	0	0	10
Beam	3306	Maintenance Concrete Superstructure Components	55	1800	14	39	23	1724
Beam	3314	Maintenance Steel Superstructure Components	9	325	3	6	315	1
Beam	3342	Clean and Paint Steel	1012	3300	12	1000	0	2288
Bearing Device	3334	Bridge Bearing	4	10	0	4	6	0
Bearing Device	3342	Clean and Paint Steel	10	10	4	6	0	0
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	2	1030	0	0	2	1028
Caps	3348	Maintenance of Concrete Substructure	58	295	2	43	68	182
Deck	3326	Maintenance of Concrete Deck	2	13307	0	1	1	13305
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	234	0	0	0	234
Piles and Columns	3348	Maintenance of Concrete Substructure	26	55	4	2	33	16
Wearing Surfaces	2816	Asphalt Surface Repair	259	12360	0	232	339	11789

Priority Actions Request

Structure Number **530020**

Span2

3306 **Beam 4** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	1	Span 2 Beam 4: PAR: 11" HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS (1/16") IN SOUTH FACE AT BENT 1 (SEE PHOTO)

Span3

3306 **Beam 3** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	4	Span 3 Beam 3: PAR: 3'-8" LONG X 18" WIDE X UP TO 5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM FLANGE AT BENT 3, EXTENDING 13" HIGH ON THE SOUTH FACE AND 4" HIGH ON THE NORTH FACE. FOUR LONGITUDINAL BARS AND 6 STIRRUPS EXPOSED WITH NO MEASURABLE SECTION LOSS IN LONG. BARS AND 60% AVG SECTION REMAINING IN STIRRUPS (SEE PHOTO)

Span5

3306 **Beam 3** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	2	Span 5 Beam 3: PAR: 18" LONG X 7" HIGH X 1 1/2" DEEP SPALL WITH EXPOSED REINFORCING IN SOUTH FACE, STARTING AT BENT 4 (SEE PHOTO)

Span6

3314 **Beam 1** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 6 Beam 1: PAR: 1' LONG X FULL WIDTH AREA OF CORROSION WITH 1/4" SECTION LOSS ON BOTTOM FLANGE AT BENT 5, 3/4" REMAINING
2	Distortion	2	Span 6 Beam 1: PAR: UP TO 1'-6" LONG AREA OF DISTORTION IN THE WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE NORTH UP TO 1/2" (SEE PHOTO)

3314 **Beam 5** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 6 Beam 5: PAR: 7" LONG X 2" WIDE AREA OF CORROSION WITH 3/8" SECTION LOSS ON NORTH SIDE OF BOTTOM FLANGE AT BENT 6. 5/8" REMAINING (SEE PHOTOS)
2	Distortion	1	Span 6 Beam 5: PAR: UP TO 6" LONG AREA OF DISTORTION IN WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE SOUTH UP TO 1/2" (SEE PHOTO)

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

Priority Actions Request

Structure Number **530020**

Span7

3306 **Beam 1** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
?	Delamination/Spall	3	Span 7 Beam 1: PAR: (3) UP TO 10" WIDE X 1 1/2" LONG X 1/2" DEEP SPALLS WITH EXPOSED REINFORCEMENT AND NO MEASURABLE SECTION LOSS IN BOTTOM FACE, STARTING AT 11 1/2' FROM BENT 7 (SEE PHOTO)
?	Delamination/Spall	1	Span 7 Beam 1: PAR: 1'-3" LONG X 11" HIGH X 3/4 IN DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLE SECTION LOSS, LOCATED IN NORTH FACE ABOVE BENT 7 CAP (SEE PHOTO)
?	Delamination/Spall	1	Span 7 Beam 1: PAR: 8" LONG X 1'-9" HIGH X UP TO 1" DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLE SECTION LOSS IN NORTH FACE, AT BENT 6 (SEE PHOTO)

Span8

3306 **Beam 1** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
?	Delamination/Spall	1	Span 8 Beam 1: PAR: 22" HIGH X UP TO 10" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS IN FORMERLY PATCHED AREA IN NORTH FACE, AT BENT 8 (SEE PHOTO)

3306 **Beam 4** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	2	Span 8 Beam 4: PAR: 2' LONG X 1' HIGH X 6 1/2" WIDE ON BOTTOM FACE X 1 1/2" DEEP SPALL WITH EXPOSED REBAR, LOCATED ON BOTTOM RIGHT CORNER OVER BENT 8 (SEE PHOTO)

Span9

3306 **Beam 4** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
?	Delamination/Spall	1	Span 9 Beam 4: PAR: 1' HIGH X 10" WIDE X 3/4 IN DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLEB SECTION LOSS IN SOUTH FACE AT BENT 8 (SEE PHOTO)

Span10

3306 **Beam 3** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	5	Span 10 Beam 3: PAR: 5' LONG X 18" WIDE AREA OF SPALLS WITH EXPOSED

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

Priority Actions Request

Structure Number **530020**

REINFORCEMENT AND UP TO 1/16" WIDE LONGITUDINAL CRACKS, STARTING 6' FROM END BENT 2 ON UNDERSIDE OF BEAM. SPALL SIZES VARY FROM 3" LONG X 6" WIDE X 1" DEEP TO 1'-6" LONG X 1' WIDE X 1 1/4" DEEP (SEE POTOS)

Bent 1

3350 **Abutment** Reinforced Concrete Abutment

Priority Level	Defect Type	Quantity	Defect Description
2	Scour	25	End bent 1 Abutment: PAR: 25' LONG X UP TO 15" HIGH X UP TO FULL DEPTH VOID UNDER CAP WITH PILES 2-5 EXPOSED (SEE PHOTO)

Bent 2

3350 **Abutment** Reinforced Concrete Abutment

Priority Level	Defect Type	Quantity	Defect Description
2	Scour	35	End bent 2 Abutment: PAR: FULL LENGTH X UP TO 1'-8" HIGH X FULL DEPTH VOID UNDER CAP WITH ALL PILES EXPOSED. THERE IS A TIMBER BACKWALL IN PLACE BEHIND PILES 4-5. THERE IS NO RETAINING MEASURE IN PLACE TO HOLD BACK FILL FOR THE REMAINDER OF CAP LENGTH (SEE PHOTOS)

Bent 4

3348 **Pile 1** Prestressed Concrete Pile

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	1	Bent 4 Pile 1: PAR: 10" HIGH X 6" WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER, MID HEIGHT (SEE PHOTO)

3348 **Pile 3** Prestressed Concrete Pile

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	1	Bent 4 Pile 3: PAR: 9' HIGH X 8" WIDE X 1" DEEP SPALL AND DELAMINATION WITH EXPOSED REINFORCEMENT AND NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER (SEE PHOTO)

3348 **Pile 5** Prestressed Concrete Pile

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	1	Bent 4 Pile 5: PAR: 2' HIGH X 11" WIDE X UP TO 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST FACE BELOW CAP (SEE PHOTO)

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

Priority Actions Request

Structure Number **530020**

Bent 8

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	2	Bent 8 Cap 1: PAR: 1'-7" HIGH X 1' WIDE X 1 1/4" DEEP SPALL WITH EXPOSED REINFORCING ON WEST FACE BELOW BEAM 4, NO MEASURABLE SECTION LOSS (SEE PHOTO)

3348 **Pile 5** Prestressed Concrete Pile

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	1	Bent 8 Pile 5: PAR: 18" WIDE X 10" HIGH X 3" DEEP SPALL WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS ON SOUTH FACE, 3' ABOVE WATERLINE
2	Delamination/Spall	1	Bent 8 Pile 5: PAR: 7" HIGH X 1' WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS IN SOUTH FACE, AT 12' FROM WATER LEVEL (SEE PHOTO)

Approach Guardrail and Barriers

3120 **Approach Guardrail and Barriers** Approach Guardrail and Barriers

Priority Level	Defect Type	Quantity	Defect Description
2		12	PAR: MODERATE AREA OF IMPACT DAMAGE ON NORTHWEST GUARDRAIL STARTING APPROXIMATELY 30' FROM EAST APPROACH, POSTS 5, 6, AND 7 ARE LEANING AND POSTS 6 AND 7 ARE TWISTED (SEE PHOTOS)
2		1	PAR: NORTHEAST GUARDRAIL IS SITTING ON GROUND, 14" HIGH CREATING A POTENTIAL SAFETY HAZARD (SEE PHOTO)
1		20	PAR: AREA OF FALLEN TREES AND DRIFT UPSTREAM OF BENTS 7 AND 8 CREATING A PARTIAL BLOCKAGE (SEE PHOTO)

Element Condition and Maintenance Data

Structure Number: **530020** Inspection Date: **04/08/2022**

Span 1 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,200	1,174	0	26	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**UP TO 3/16" WIDE X FULL DECK WIDTH CRACK OVER BENT 1, CRACK EXPANDS TO 1 1/2" WIDE IN SHOULDERS (SEE PHOTO)**	3	26	26	Square Feet

General Comments

Span 1 — Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	45	0	5	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**1/16" WIDE X 16" LONG LONGITUDINAL CRACK IN BOTTOM OF NORTH FACE AT BENT 1.**	3	2	2	Feet
110	**Delamination/Spall**	**(3) 11" LONG X 1" WIDE X 1/4" DEEP SPALLS WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS IN BOTTOM FLANGE BETWEEN INTERIOR DIAPHRAGM AND BENT 1 (SEE PHOTO)**	3	3	3	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	1,200	1,174	0	26	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**UP TO 1/8" WIDE X FULL DECK WIDTH CRACK OVER BENT 2, CRACK EXPANDS TO 1 1/4" WIDE IN SHOULDERS (SEE PHOTO)**	3	26	26	Square Feet

General Comments

Span 2 — Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	50	49	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**6" high x 4" wide x 3/4" deep spall in top of 8th rail post**	2	1	1	Feet

General Comments

Span 2 Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	49	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	10" high x 8" long delamination on north face at pier 1.	2	1	1	Feet
110	Cracking (RC and Other)	Full height hairline vertical crack 1' from beam end at pier 2.	1	1		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	50	49	0	0	1	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	PAR: 11" HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS (1/16") IN SOUTH FACE AT BENT 1 (SEE PHOTO)	4	1	1	Feet

General Comments

Span 3 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,200	1,176	0	24	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	UP TO 3/16" WIDE X FULL DECK WIDTH CRACK OVER BENT 3, CRACK EXPANDS TO 1 1/2" WIDE IN SHOULDERS	3	24	24	Square 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	50	46	2	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	1'-9" LONG X 10" WIDE AREA OF DELAMINATION WITH 11" LONG X 11" WIDE X 1/2" DEEP SPALL IN BOTTOM FLANGE AT BENT 2.	3	2	2	Feet
110	Cracking (RC and Other)	(4) HAIRLINE TO 1/32" X 18" LONG TRANSVERSE CRACKS IN BOTTOM FACE WITH SOME EXTENDING UP TO 1' ON BOTH FACES NEAR MIDSPAN.	2	1		Feet
110	Patched Area	10" HIGH X 7" WIDE SOUND PATCHED AREA IN BOTTOM FLANGE, LOCATED AT BENT 3.	2	1		Feet
110	Cracking (RC and Other)	Several hairline vertical cracks at bottom of beam up to 1' long on both faces at various locations	1	6		Feet

General Comments

Span 3 Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	43	3	0	4	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	PAR: 3'-8" LONG X 18" WIDE X UP TO 5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM FLANGE AT BENT 3, EXTENDING 13" HIGH ON THE SOUTH FACE AND 4" HIGH ON THE NORTH FACE. FOUR LONGITUDINAL BARS AND 6 STIRRUPS EXPOSED WITH NO MEASURABLE SECTION LOSS IN LONGITUDINAL BARS AND 60% AVG SECTION REMAINING IN STIRRUPS (SEE PHOTO)	4	4	4	Feet
110	Cracking (RC and Other)	(2) HAIRLINE TO 1/32" X 18 IN LONG TRANSVERSE CRACKS IN BOTTOM FACE, NEAR MIDSPAN.	2	2		Feet
110	Delamination/Spall	12" LONG X 3" HIGH AREA OF HONEYCOMBING IN SOUTH FACE AT MIDSPAN.	2	1	1	Feet
110	Cracking (RC and Other)	Several hairline vertical cracks at bottom of beam up to 1' long on both faces at various locations	1	7		Feet

General Comments

Span 3 Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	41	4	5	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	2' LONG X 1' HIGH AREA OF EXPOSED AGGREGATE AND SPALLING UP TO 1 IN DEEP IN SOUTH FACE AT BENT 2.	3	2	2	Feet
110	Delamination/Spall	THREE (3) 8" LONG X 3" WIDE X 1/2" DEEP SPALLS WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE LOSS IN UNDERSIDE OF BEAM, STARTING AT 8 FT FROM BENT 3 (SEE PHOTO)	3	3	3	Feet
110	Cracking (RC and Other)	(2) HAIRLINE TO 1/32" X 18" LONG TRANSVERSE CRACKS IN BOTTOM FACE, NEAR MIDSPAN.	2	2		Feet
110	Delamination/Spall	1'-6" LONG X 1'-6" WIDE AREA OF DELAMINATION ON SOUTH FACE AT BENT 3 WITH ASSOCIATED HAIRLINE UP TO 1/32" WIDE MAP CRACKING	2	2	2	Feet
110	Cracking (RC and Other)	(2) hairline diagonal cracks south face 3' from pier 3	1	2		Feet
110	Cracking (RC and Other)	Several hairline vertical cracks at bottom of beam up to 1' long on both faces at various locations	1	6		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	1,200	1,174	0	26	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	UP TO 3/16" WIDE X FULL DECK WIDTH CRACK OVER BENT 4.	3	26	26	Square Feet

General Comments

Span 4 Beam 1

Reinforced Concrete Girder

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**Several hairline vertical cracks at bottom of beam up to 1' long on both faces at various locations**	1	7		Feet

General Comments

Span 4 Beam 2

Reinforced Concrete Girder

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**Several hairline vertical cracks at bottom of beam up to 1' long on both faces at various locations**	1	13		Feet

General Comments

5 FT LONG X 2.5 IN HIGH X 1/2 IN DEEP SPALL WITH EXPOSED REINFORCEMENT IN INTERMEDIATE DIAPHRAGM BAY 1, WEST FACE. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT

Span 4 Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	46	2	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Delamination/Spall**	**(2) SPALLS WITH EXPOSED REINFORCEMENT IN BOTTOM FLANGE, 17' FROM BENT 4, UP TO 7" LONG X 4" WIDE X 1/2" DEEP. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT (SEE PHOTO)**	3	2	2	Feet
110	**Cracking (RC and Other)**	**2'-6" LONG HAIRLINE UP TO 1/64" WIDE LONGITUDINAL CRACK IN BOTTOM FLANGE, LOCATED AT 17 FT FROM BENT 4**	2	2		Feet
110	**Cracking (RC and Other)**	**Several hairline vertical cracks at bottom of beam up to 1' long on both faces at various locations**	1	15		Feet

General Comments

1' LONG X 3" HIGH X 1/2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN INTERMEDIATE DIAPHRAGM BAY 2, WEST FACE. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT. HAIRLINE WRAP AROUND CRACK

Span 4 Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	44	6	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**1/32" wide horizontal crack 8" long at BOTTOM of beam north face at pier 3.**	2	1		Feet
110	**Cracking (RC and Other)**	**1/32" WIDE X 16" LONG HORIZONTAL CRACK IN SOUTH FACE AT MIDSPAN.**	2	2		Feet

110	**Cracking (RC and Other)**	**TWO (2) HAIRLINE TO 1/32" X 18" LONG TRANSVERSE CRACKS IN BOTTOM FACE EXTENDING UP TO 1' ON BOTH FACES NEAR MIDSPAN.**	2	2		Feet
110	**Delamination/Spall**	**3" high x 2" wide x 1/2" deep spall on bottom of beam near midspan.**	2	1	1	Feet
110	**Cracking (RC and Other)**	**Several hairline vertical cracks at bottom of beam up to 1' long on both faces at various locations**	1	15		Feet

General Comments

Span 5 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,200	1,176	0	24	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**UP TO 1/4" WIDE X FULL DECK WIDTH CRACK OVER BENT 5**	3	24	24	Square Feet

General Comments

Span 5 — Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	50	49	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Exposed Rebar**	**(2) 2" DIAMETER X 1/2" DEEP SPALLS WITH EXPOSED REINFORCEMENT IN WEST FACE OF BRIDGE RAIL POSTS, LOCATED AT MIDSPAN. NO MEASURABLE SECTION LOSS NOTED.**	2	1	1	Feet

General Comments

Span 5 — Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	49	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Exposed Rebar**	**4" DIAMETER X 1/2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTH FACE AT BENT 5. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT.**	2	1	1	Feet
110	**Cracking (RC and Other)**	**SEVERAL HAIRLINE X 18" LONG TRANSVERSE CRACKS IN BOTTOM FACE WITH SOME EXTENDING UP TO 1' ON BOTH FACES NEAR MIDSPAN.**	1	20		Feet

General Comments

Span 5 Beam 2

Reinforced Concrete Girder

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**SEVERAL HAIRLINE X 18" LONG TRANSVERSE CRACKS IN BOTTOM FACE WITH SOME EXTENDING UP TO 1' ON BOTH FACES NEAR MIDSPAN.**	1	15		Feet

General Comments

Span 5 Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	46	2	0	2	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Delamination/Spall**	**PAR: 18" LONG X 7" HIGH X 1 1/2" DEEP SPALL WITH EXPOSED REINFORCING IN SOUTH FACE, STARTING AT BENT 4 (SEE PHOTO)**	4	2	2	Feet
110	**Cracking (RC and Other)**	**1/32" wide horizontal crack 18" long on bottom of South face 7' from pier 4.**	2	2		Feet
110	**Cracking (RC and Other)**	**SEVERAL HAIRLINE X 18" LONG TRANSVERSE CRACKS IN BOTTOM FACE WITH SOME EXTENDING UP TO 1' ON BOTH FACES NEAR MIDSPAN.**	1	10		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	50	50	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**Several hairline vertical cracks at bottom of beam up to 1' long on both faces at various locations**	1	25		Feet
110	**Cracking (RC and Other)**	**SEVERAL HAIRLINE X 18" LONG TRANSVERSE CRACKS IN BOTTOM FACE WITH SOME EXTENDING UP TO 1' ON BOTH FACES NEAR MIDSPAN.**	1	8		Feet

General Comments

Span 6 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,560	1,534	26	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**UP TO 1/2" WIDE X FULL DECK WIDTH CRACK OVER BENT 6**	2	26	26	Square Feet

General Comments

Span 6 Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	65	0	61	3	1	Feet
515	Steel Protective Coating	660	455	0	200	5	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**PAR: 1' LONG X FULL WIDTH AREA OF CORROSION WITH 1/4" SECTION LOSS ON BOTTOM FLANGE AT BENT 5, 3/4" REMAINING**	4	1	1	Feet
107	**Corrosion**	**1' LONG X 6" HIGH AREA OF CORROSION WITH SECTION LOSS ON BOTTOM OF WEB AT BENT 6, 1/2" REMAINING (SEE PHOTO)**	3	1	1	Feet
107	**Distortion**	**PAR: UP TO 1'-6" LONG AREA OF DISTORTION IN THE WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE NORTH UP TO 1/2" (SEE PHOTO)**	3	2	2	Feet
107	**Corrosion**	**1' LONG X FULL WIDTH AREA CORROSION WITH MINOR DELAMINATION ON BOTTOM FLANGE AT BENT 6**	2	1		Feet
107	**Corrosion**	**MINOR SURFACE CORROSION ON TOP OF BOTTOM FLANGE AND WEB, FOR FULL LENGTH EXCEPT FOR BEAM ENDS (SEE PHOTO)**	2	60		Feet
515	**Effectiveness (Steel Protective Coatings)**	**FAILED PROTECTIVE SYSTEM**	4	5	5	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTIVE COATING IS INEFFECTIVE IN TOP AND BOTTOM FLANGES, AND BOTTOM 3 IN OF WEB FOR FULL LENGTH. PAINT IS INEFFECTIVE AT BEAM ENDS AT BENTS 5 AND 6 IN WEB AND BOTTOM FLANGES.**	3	200	200	Square Feet

General Comments

Span 6 Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	**Corrosion**	**Corrosion with minor section loss (< 1/16").**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTIVE COATING HAS FAILED.**	4	1	1	Square Feet

General Comments

Span 6 Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Corrosion with no measurable section loss**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTIVE COATING IS INEFFECTIVE.**	3	1	1	Square Feet

General Comments

Span 6 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	65	1	64	0	0	Feet
515	Steel Protective Coating	660	460	0	200	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**18" OF BEAM END AT BENT 5 EXHIBITS HEAVY SURFACE CORROSION BENEATH PREVIOUSLY PAINTED SURFACE IN WEB BELOW END DIAPHRAGM AND BOTTOM FLANGES. NO MEASURABLE SECTION LOSS NOTED.**	2	2		Feet
107	**Corrosion**	**6" LONG X FULL WIDTH AREA OF SURFACE CORROSION WITH MINOR DELAMINATION ON BOTTOM FLANGE AND BOTTOM 3 IN OF WEB IN SOUTH FACE AT BENT 6 BEAM END. NO MEASURABLE SECTION LOSS NOTED (SEE PHOTO)**	2	1		Feet
107	**Corrosion**	**FRECKLED RUST IN TOP AND BOTTOM FLANGES, AND BOTTOM 3 IN OF WEB FOR FULL LENGTH EXCEPT FOR BEAM ENDS.**	2	61		Feet
515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTIVE COATING IS INEFFECTIVE IN TOP AND BOTTOM FLANGES, AND BOTTOM 3 IN OF WEB FOR FULL LENGTH. PAINT IS INEFFECTIVE AT BEAM ENDS AT BENTS 5 AND 6 IN WEB AND BOTTOM FLANGES.**	3	200	200	Square Feet

General Comments

Span 6 Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	**Corrosion**	**Corrosion with no measurable section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTIVE COATING HAS FAILED.**	4	1	1	Square Feet

General Comments

Span 6 Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Light surface rust**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTIVE COATING IS INEFFECTIVE.**	3	1	1	Square Feet

General Comments

Span 6 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	65	0	65	0	0	Feet
515	Steel Protective Coating	660	460	0	200	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**18" OF BEAM END AT BENT 5 EXHIBITS HEAVY SURFACE CORROSION BENEATH PREVIOUSLY PAINTED SURFACE IN WEB BELOW END DIAPHRAGM AND BOTTOM FLANGES. NO MEASURABLE SECTION LOSS NOTED.**	2	2		Feet
107	**Corrosion**	**2' LONG X FULL WIDTH AREA OF SURFACE CORROSION IN BOTTOM FLANGE AND LOWER 4" OF WEB AT BENT 6**	2	5		Feet
107	**Corrosion**	**FRECKLED RUST IN TOP AND BOTTOM FLANGES, AND BOTTOM 3 IN OF WEB FOR FULL LENGTH EXCEPT FOR BEAM ENDS.**	2	58		Feet
515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTIVE COATING IS INEFFECTIVE IN TOP AND BOTTOM FLANGES, AND BOTTOM 3 IN OF WEB FOR FULL LENGTH. PAINT IS INEFFECTIVE AT BEAM ENDS AT BENTS 5 AND 6 IN WEB AND BOTTOM FLANGES.**	3	200	200	Square Feet

General Comments

Span 6 Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	**Corrosion**	**Corrosion with no measurable section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTIVE COATING HAS FAILED.**	4	1	1	Square Feet

General Comments

Span 6 Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Light surface rust**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTIVE COATING IS INEFFECTIVE.**	3	1	1	Square Feet

General Comments

Span 6 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	65	0	65	0	0	Feet
515	Steel Protective Coating	660	460	0	200	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**FRECKLED RUST IN TOP AND BOTTOM FLANGES, AND BOTTOM 3 IN OF WEB FOR FULL LENGTH**	2	64		Feet
107	**Corrosion**	**HEAVY SURFACE CORROSION BENEATH PREVIOUSLY PAINTED SURFACE IN WEB AROUND END DIAPHRAGM, FOR 13 IN LONG STARTING AT BENT 5 BEAM END. NO MEASURABLE SECTION LOSS NOTED.**	2	1		Feet
515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTIVE COATING IS INEFFECTIVE IN TOP AND BOTTOM FLANGES AND BOTTOM 3 IN OF WEB FOR FULL LENGTH. COATING IS ALSO INEFFECTIVE FOR 13 IN LONG IN WEB AROUND END DIAPHRAGM FOR 13 IN LONG.**	3	200	200	Square Feet

General Comments

Span 6 Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	**Corrosion**	**Corrosion with no measurable section loss**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTIVE COATING IS INEFFECTIVE.**	3	1	1	Square Feet

General Comments

Span 6 Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Light surface rust**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTIVE COATING IS INEFFECTIVE.**	3	1	1	Square Feet

General Comments

Span 6 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	65	0	60	3	2	Feet
515	Steel Protective Coating	660	453	0	200	7	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**PAR: 7" LONG X 2" WIDE AREA OF CORROSION WITH 3/8" SECTION LOSS ON NORTH SIDE OF BOTTOM FLANGE AT BENT 6. 5/8" REMAINING (SEE PHOTOS)**	4	2	2	Feet
107	**Corrosion**	**2' Long corrosion with 1/16'' section loss in bottom flange (North side) and bottom of web with 15/16'' average remaining full width of flange and 7/16'' remaining in web at pier 5.**	3	2	2	Feet
107	**Distortion**	**PAR: UP TO 6" LONG AREA OF DISTORTION IN WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE SOUTH UP TO 1/2" (SEE PHOTO)**	3	1	1	Feet
107	**Corrosion**	**CORROSION WITH MINOR DELAMINATION IN TOP AND BOTTOM FLANGES, AND BOTTOM 6 IN OF WEB FOR 11 FT LONG, STARTING AT 6 FT FROM BENT 6. NO MEASURABLE SECTION LOSS NOTED (SEE PHOTO)**	2	11		Feet
107	**Corrosion**	**FRECKLED RUST IN TOP AND BOTTOM FLANGES AND BOTTOM 3'' OF WEB AT VARIOUS LOCATIONS.**	2	24		Feet
107	**Corrosion**	**SURFACE CORROSION IN TOP OF BOTTOM FLANGE, AT VARIOUS LOCATIONS EXCEPT FOR BEAM ENDS.**	2	25		Feet
515	**Effectiveness (Steel Protective Coatings)**	**FAILED PROTECTIVE SYSTEM**	4	7	7	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTIVE COATING IS INEFFECTIVE IN TOP AND BOTTOM FLANGES AND BOTTOM 3 IN OF WEB FOR FULL LENGTH.**	3	200	200	Square Feet

General Comments

Span 6 Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	**Corrosion**	**Corrosion with minor section loss (< 1/16").**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTIVE COATING HAS FAILED.**	4	1	1	Square Feet

General Comments

Span 6 Far Bearing

Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**CORROSION WITH MINOR DELAMINATION (SEE PHOTO)**	2	1		Each

515	**Effectiveness (Steel Protective Coatings)**	**STEEL PROTECTIVE COATING IS INEFFECTIVE.**	3	1	1	Square Feet

General Comments

Span 7 — Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,292	1,291	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Delamination/Spall**	**8" LONG X 6" WIDE X 1" DEEP SPALL IN RIGHT OVERHANG WITH EXPOSED REBAR, LOCATED OVER BENT 6 & 7.**	3	1	1	Square Feet

General Comments

Span 7 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,200	1,176	0	24	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**UP TO 3/16" WIDE X FULL DECK WIDTH CRACK OVER BENT 7, CRACK EXPANDS TO 1 1/2" WIDE IN SHOULDERS**	3	24		Square Feet

General Comments

Span 7 — Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	43	0	7	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Delamination/Spall**	**(2) UP TO 7" WIDE X 2" LONG X 3/4" DEEP SPALLS WITH EXPOSED REINFORCEMENT IN BOTTOM FACE, LOCATED AT 7 FT FROM BENT 6 (SEE PHOTO)**	3	2	2	Feet
110	**Delamination/Spall**	**(3) UP TO 10" WIDE X 1 1/2" LONG X 1/2" DEEP SPALLS WITH EXPOSED REINFORCEMENT AND NO MEASURABLE SECTION LOSS IN BOTTOM FACE, STARTING AT 11 1/2' FROM BENT 7 (SEE PHOTO)**	3	3	3	Feet
110	**Delamination/Spall**	**1'-3" LONG X 11" HIGH X 3/4 IN DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLE SECTION LOSS, LOCATED IN NORTH FACE ABOVE BENT 7 CAP (SEE PHOTO)**	3	1	1	Feet
110	**Delamination/Spall**	**8" LONG X 1'-9" HIGH X UP TO 1" DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLE SECTION LOSS IN NORTH FACE, AT BENT 6 (SEE PHOTO)**	3	1	1	Feet

General Comments

Span 7 Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	44	0	6	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**1/16'' WIDE X 6' LONG LONGITUDINAL CRACK IN BOTTOM FACE, STARTING AT 11 1/2' FROM BENT 6.**	3	6		Feet

General Comments

Span 7 Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	47	0	3	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**1/16'' WIDE x 1' long longitudinal crack bottom face at pier 6**	3	1	1	Feet
110	**Delamination/Spall**	**(2) 7'' LONG X 3'' WIDE X 3/4'' IN DEEP SPALL IN BOTTOM FACE WITH EXPOSED REINFORCEMENT, LOCATED AT 6 FT FROM BENT 7. NO MEASURABLE SECTION LOSS NOTED (SEE PHOTOS)**	3	2	2	Feet

General Comments

Span 8 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,200	1,149	25	26	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**UP TO 1/2'' WIDE X FULL DECK WIDTH CRACK OVER BENT 8.**	3	26	26	Square Feet
510	**Crack (Wearing Surface)**	**25' Long X 1/32'' WIDE longitudinal crack in right wheel path westbound lane**	2	25	25	Square Feet

General Comments

Span 8 Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	49	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Delamination/Spall**	**22'' HIGH X UP TO 10'' WIDE X 1'' DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS IN FORMERLY PATCHED AREA IN NORTH FACE, AT BENT 8 (SEE PHOTO)**	3	1	1	Feet

General Comments

Span 8 Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	46	0	2	2	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Delamination/Spall**	**PAR: 2' LONG X 1' HIGH X 6 1/2" WIDE ON BOTTOM FACE X 1 1/2" DEEP SPALL WITH EXPOSED REBAR, LOCATED ON BOTTOM RIGHT CORNER OVER BENT 8 (SEE PHOTO)**	4	2	2	Feet
110	**Delamination/Spall**	**(2) SPALLS ON UNDERSIDE OF BEAM LOCATED 12' AND 14' FROM BENT 8. 5" LONG X 6" WIDE X 1/2" DEEP AND 3" LONG X 4" WIDE X 1/2" DEEP, BOTH WITH EXPOSED REINFORCEMENT. NO MEASURABLE SECTION LOSS (SEE PHOTO)**	3	2	2	Feet

General Comments

Span 9 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,292	1,291	1	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Delamination/Spall**	**6" WIDE X 4" LONG X 1/2" DEEP SPALL WITH EXPOSED REBAR IN RIGHT OVERHANG AT BENT 8 (SEE PHOTO)**	2	1	1	Square Feet

General Comments

Span 9 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,200	1,144	0	56	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**30' Long X 1/16" WIDE longitudinal crack in right wheel path westbound lane**	3	30	30	Square Feet
510	**Crack (Wearing Surface)**	**UP TO 3/16" WIDE X FULL DECK WIDTH CRACK OVER BENT 9, CRACK EXPANDS TO 1" WIDE IN SHOULDERS**	3	26	26	Square Feet

General Comments

Span 9 Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	48	1	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Delamination/Spall**	**3" WIDE X 6" HIGH X 1/2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTH FACE, LOCATED OVER BENT 8. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT (SEE PHOTO)**	3	1	1	Feet

110	**Exposed Rebar**	**2" DIAMETER X 3/16" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM FACE, LOCATED AT 15 FT FROM BENT 9. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT (SEE PHOTO)**	2	1	1	Feet	

General Comments

Span 9 Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	48	1	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Delamination/Spall**	**1' HIGH X 10" WIDE X 3/4 IN DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLE SECTION LOSS IN SOUTH FACE AT BENT 8 (SEE PHOTO)**	3	1	1	Feet
110	**Delamination/Spall**	**6" diameter delamination on bottom face midspan**	2	1	1	Feet

General Comments

Span 10 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,200	912	288	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Patched Area/Pothole (Wearing Surface)**	**UP TO 1/16 IN WIDE X FULL DECK WIDTH CRACK OVER ABUTMENT 2 (AREA HAS BEEN REPAIRED SINCE PREVIOUS INSPECTION WITH AN ASPHALT WEDGE PATCH IN EAST APPROACH) (SEE PHOTO)**	2	288		Square Feet

General Comments

Span 10 Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	46	0	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Delamination/Spall**	**3" LONG X 4" WIDE X 1/2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM FACE, LOCATED AT MIDSPAN. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT (SEE PHOTO)**	3	1	1	Feet
110	**Delamination/Spall**	**THREE (3) 11" WIDE X 3" LONG X 1/2" DEEP SPALLS WITH EXPOSED REINFORCEMENT IN BOTTOM FACE, LOCATED AT 6 FT FROM BENT 9. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT (SEE PHOTO)**	3	3	3	Feet
110	**Cracking (RC and Other)**	**SCATTERED HAIRLINE FLEXURAL CRACKS**	1	6		Feet

General Comments

Span 10 Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	50	45	0	0	5	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	PAR: 5' LONG X 18" WIDE AREA OF SPALLS WITH EXPOSED REINFORCEMENT AND UP TO 1/16" WIDE LONGITUDINAL CRACKS, STARTING 6' FROM END BENT 2 ON UNDERSIDE OF BEAM. SPALL SIZES VARY FROM 3" LONG X 6" WIDE X 1" DEEP TO 1'-6" LONG X 1' WIDE X 1 1/4" DEEP (SEE POTOS)	4	5	5	Feet

General Comments

Span 10 Beam 4

Reinforced Concrete Girder

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	SCATTERED HAIRLINE FLEXURAL CRACKS	1	5		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	25	4	20	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Delamination/Spall	16" HIGH X 11" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS EAST FACE UNDER BEAM 4 (SEE PHOTO)	3	1	1	Feet
234	Cracking (RC and Other)	A few areas of hairline map cracks on east face at various locations.	2	10		Feet
234	Cracking (RC and Other)	FULL HEIGHT AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE AND LEAKAGE STAINS IN WEST FACE, BELOW BAYS 2 AND 3 (SEE PHOTO)	2	7		Feet
234	Cracking (RC and Other)	UP TO 1/16 IN WIDE X 3 FT WIDE LONGITUDINAL AND VERTICAL CRACKS IN SOUTH FACE WRAPS AROUND EAST AND WEST FACES.	2	2		Feet
234	Delamination/Spall	10" WIDE X 7" HIGH X UP TO 1" DEEP SPALL IN WEST FACE, ADJACENT TO BEAM 4.	2	1	1	Feet

General Comments

Bent 1 Pile 4

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

226	**Delamination/Spall**	**16 IN HIGH X 3 IN WIDE AREA OF DELAMINATION IN NORTHWEST FACE AT GROUNDLINE.**	2		1	1	Each

General Comments

Bent 1 — Pile 5

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Cracking (PSC)**	**1' long vertical hairline crack at top pile west face.**	2		1	Each
226	**Delamination/Spall**	**5 FT HIGH X 12 IN WIDE AREA OF DELAMINATION IN EAST FACE, STARTING AT 4 FT FROM GROUND LEVEL.**	2	1	1	Each

General Comments

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	35	10	0	0	25	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	**Scour**	**PAR: 25' LONG X UP TO 15" HIGH X UP TO FULL DEPTH VOID UNDER CAP WITH PILES 2-5 EXPOSED (SEE PHOTO)**	4	25	25	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	35	29	4	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Delamination/Spall**	**UP TO 15" WIDE X 12" HIGH X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT UNDER BEAM 4 WITH NO MEASURABLE SECTION LOSS**	3	2	2	Feet
234	**Cracking (RC and Other)**	**(4) HAIRLINE X 3 FT LONG VERTICAL CRACKS UNDER PREVIOUSLY PATCHED SURFACE, TWO IN BAY 2 EACH UNDER BEAMS 2 & 3.**	2	4		Feet

General Comments

Bent 2 — Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	25	14	8	3	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Delamination/Spall**	**1' HIGH X 9" WIDE X 1" DEEP SPALL ON EAST FACE BELOW BAY 1 WITH EXPOSED REINFORCING, NO MEASURABLE SECTION LOSS (SEE PHOTO)**	3	1	1	Feet

234	**Delamination/Spall**	**1'-6" HIGH X 9" WIDE X 1" DEEP SPALL ON EAST FACE BELOW BAY 2 WITH EXPOSED REINFORCING, NO MEASURABLE SECTION LOSS (SEE PHOTO)**	3	1	1	Feet
234	**Delamination/Spall**	**17" HIGH X 5" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEAURABLE SECTION LOSS ON EAST FACE BELOW BEAM 1 (SEE PHOTO)**	3	1	1	Feet
234	**Cracking (RC and Other)**	**Several hairline diagonal / vertical cracks at top of cap up to 1' long primarily under beam locations both faces**	2	8		Feet

General Comments

Bent 2 Pile 1

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 5 FT STARTING AT GROUND LEVEL (SEE PHOTO)**	2	1		Each

General Comments

Bent 2 Pile 2

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 5 FT STARTING AT GROUND LEVEL.**	2	1		Each

General Comments

Bent 2 Pile 3

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 5 FT STARTING AT WATER LEVEL.**	2	1		Each

General Comments

Bent 2 Pile 4

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 5 FT STARTING AT GROUND LEVEL.**	2	1		Each

General Comments

Bent 2 — Pile 5

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 5 FT STARTING AT GROUND LEVEL.**	2	1		Each

General Comments

End Bent 2 — Abutment

Reinforced Concrete Abutment

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	**Scour**	**PAR: FULL LENGTH X UP TO 1'-8" HIGH X FULL DEPTH VOID UNDER CAP WITH ALL PILES EXPOSED. THERE IS A TIMBER BACKWALL IN PLACE BEHIND PILES 4-5. THERE IS NO RETAINING MEASURE IN PLACE TO HOLD BACK FILL FOR THE REMAINDER OF CAP LENGTH (SEE PHOTOS)**	4	35	35	Feet

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	35	31	4	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Cracking (RC and Other)**	**(4) 1/32" VERTICAL/DIAGONAL FULL HEIGHT CRACKS, ONE BELOW EACH BEAM.**	2	4		Feet

General Comments

End Bent 2 — Pile 2

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Delamination/Spall**	**12" HIGH X 2" WIDE AREA OF DELAMINATION AT TOP OF NORTHWEST FACE BENEATH CAP.**	2	1	1	Each

General Comments

End Bent 2 Pile 3

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Delamination/Spall**	**12" HIGH X 4" WIDE AREA OF DELAMINATION ON NORTHWEST FACE OF PILE BENEATH CAP**	2	1	1	Each

General Comments

Bent 3 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	25	18	2	5	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Cracking (RC and Other)**	**UP TO 1/16 IN WIDE X 2' LONG HORIZONTAL CRACK IN WEST FACE, UNDER BAY 3.**	3	2		Feet
234	**Delamination/Spall**	**1' HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCING, NO MEASURABLE SECTION LOSS, AT BOTTOM OF WEST FACE BELOW BAY 1 (SEE PHOTO)**	3	1	1	Feet
234	**Delamination/Spall**	**1'-8" HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS IN WEST FACE, BELOW BEAM 4 (SEE PHOTO)**	3	1	1	Feet
234	**Delamination/Spall**	**6" HIGH X 4" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCING, NO MEASURABLE SECTION LOSS, AT BOTTOM OF WEST FACE BELOW BAY 1 (SEE PHOTO)**	3	1	1	Feet
234	**Patched Area**	**3' HIGH X 1' WIDE UNSOUND PATCH IN WEST FACE UNDER BAY 1.**	2	2		Feet
234	**Cracking (RC and Other)**	**AREAS OF HAIRLINE MAP CRACKING UNDER BEAM 3 AND 4 WEST FACE AND UNDER BEAM 3 EAST FACE,**	1	4		Feet
234	**Cracking (RC and Other)**	**Several hairline diagonal / vertical cracks at top of cap up to 1' long primarily under beam locations both faces**	1	6		Feet

General Comments

Bent 3 Pile 1

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**MINOR ABRASION FOR 5 FT STARTING AT GROUND LEVEL.**	2	1		Each

General Comments

Bent 3 Pile 2

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

226	**Abrasion/Wear (PSC/RC)**	**MINOR ABRASION FOR 5 FT STARTING AT GROUND LEVEL.**	2			Each
226	**Patched Area**	**3 FT HIGH X 18 IN WIDE AREA OF SOUND CONCRETE PATCH IN WEST FACE**	2	1		Each

General Comments

Bent 3 — Pile 3

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**MINOR ABRASION FOR 5 FT STARTING AT GROUND LEVEL.**	2	1		Each

General Comments

Bent 3 — Pile 4

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	1	0	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**MINOR ABRASION FOR 5 FT STARTING AT GROUND LEVEL.**	2			Each
226	**Cracking (PSC)**	**1' long vertical hairline crack at top pile west face.**	1	1		Each

General Comments

Bent 3 — Pile 5

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**MINOR ABRASION FOR 5 FT STARTING AT GROUND LEVEL.**	2			Each
226	**Delamination/Spall**	**2' HIGH x 1' WIDE DELAMINATION IN NORTHWEST FACE OF PILE BELOW CAP.**	2	1	1	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	25	19	0	6	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Delamination/Spall**	**1'-4" LONG X 10" HIGH X UP TO 2" DEEP SPALL IN TOP OF CAP, WEST FACE, BAY 3 (SEE PHOTO)**	3	2	2	Feet
234	**Delamination/Spall**	**2'-5" LONG X 6" HIGH X UP TO 4" DEEP SPALL IN TOP OF CAP, WEST FACE, BAY 1 (SEE PHOTO)**	3	3	3	Feet

234	**Delamination/Spall**	**7 IN LONG X 6 IN HIGH X UP TO 2 IN DEEP SPALL IN TOP OF CAP, EAST FACE, BAY 2.**	3	1	1	Feet

General Comments

HEAVY VEGETATION GROWTH ON TOP FACE OF CAP BELOW NORTH OVERHANG (SEE PHOTO)

Bent 4 Pile 1

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	0	0	1	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Delamination/Spall**	**PAR: 10" HIGH X 6" WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER, MID HEIGHT (SEE PHOTO)**	4	1	1	Each
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.	2			Each

General Comments

Bent 4 Pile 2

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.	2			Each

General Comments

Bent 4 Pile 3

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	0	0	1	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Delamination/Spall**	**PAR: 9' HIGH X 8" WIDE X 1" DEEP SPALL AND DELAMINATION WITH EXPOSED REINFORCEMENT AND NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER (SEE PHOTO)**	4	1	1	Each
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.	2			Each

General Comments

Bent 4 Pile 4

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.**	2	1		Each
226	**Abrasion/Wear (PSC/RC)**	**UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.**	2			Each

General Comments

Bent 4 Pile 5

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	0	0	1	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Delamination/Spall**	**PAR: 2' HIGH X 11" WIDE X UP TO 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST FACE BELOW CAP (SEE PHOTO)**	4	1	1	Each
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.	2			Each

General Comments

Bent 6 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	25	17	2	6	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Delamination/Spall**	**4' LONG X 3' HIGH AREA OF DELAMINATION WHICH EXTENDS 3" UNDER CAP EAST FACE, UNDER BEAM 3.**	3	3	3	Feet
234	**Delamination/Spall**	**FULL HEIGHT X 1'-6" WIDE AREA OF DELAMINATION AND UNSOUND CONCRETE PATCH IN EAST FACE UNDER BEAM 5.**	3	2	2	Feet
234	**Patched Area**	**16 IN HIGH X 10 IN WIDE AREA OF UNSOUND PATCHED AREA IN EAST FACE UNDER BEAM 4.**	3	1	1	Feet
234	**Cracking (RC and Other)**	**1/32" WIDE X 20 IN LONG TRANSVERSE CRACK IN UNDERSIDE OF CAP, EAST OF PILE 5.**	2	2		Feet
234	**Cracking (RC and Other)**	**A few hairline diagonal / vertical cracks at top of cap up to 1' long primarily under beam locations both faces**	1	3		Feet

General Comments

Bent 6 Pile 1

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.	2			Each

General Comments

Bent 6 Pile 2

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.	2			Each

General Comments

Bent 6 Pile 3

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.	2			Each

General Comments

Bent 6 Pile 4

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.	2			Each

General Comments

Bent 6 Pile 5

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Delamination/Spall**	**6' HIGH X 12 IN WIDE AREA OF DELAMINATION WITH UP TO 1/8 IN WIDE CRACK, STARTING AT 6 FT FROM BOTTOM OF CAP.**	3	1	6	Each
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.	2			Each

General Comments

Bent 6 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	25	21	4	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Delamination/Spall**	**4' LONG X 1'-4" HIGH AREA OF DELAMINATION WITH 2 UNSOUND PATCHES ON WEST FACE, UNDER BEAM 4.**	2	1	1	Feet
234	**Patched Area**	**3 SOUND CONCRETE PATCHES, UP TO 1.5' WIDE X 8" HIGH , ON WEST FACE, UNDER BAY 4 AND BEAM 5.**	2	3		Feet
234	**Cracking (RC and Other)**	**A few hairline diagonal / vertical cracks at top of cap up to 1' long primarily under beam locations both faces**	1	4		Feet
234	**Cracking (RC and Other)**	**THREE (3) HAIRLINE VERTICAL FULL HEIGHT CRACKS ON WEST FACE, SCATTERED.**	1	3		Feet

General Comments

Bent 6 Pile 1

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.**	2	1		Each
226	**Abrasion/Wear (PSC/RC)**	**UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.**	2			Each

General Comments

Bent 6 Pile 2

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.**	2	1	Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.	2		Each

General Comments

Bent 6 Pile 3

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.**	3	1	4	Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.	2			Each

General Comments

Bent 6 Pile 4

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.	2			Each
226	Delamination/Spall	UNDERWATER INSPECTION: SMALL IMPACT SPALL 2 FEET BELOW WATERLINE.	2			Each
226	**Cracking (PSC)**	**15' Long hairline vertical crack on south face.**	1			Each

General Comments

Bent 6 Pile 5

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: SMALL IMPACT SPALL 2 FEET BELOW WATERLINE.	2			Each
226	**Cracking (PSC)**	**HAIRLINE MAP CRACKS X 12 IN HIGH X 24 IN LONG CRACKS IN TOP OF PILE ON SOUTH AND WEST FACES.**	1			Each

General Comments

Bent 7 Pile 1

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**MINOR ABRASION FOR 5FT STARTING AT WATER LEVEL.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 5 FEET.	2			Each
226	**Delamination/Spall**	**4" diameter x 1" spall in west face 4' from WATERLINE**	2	1	1	Each

General Comments

Bent 7 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	25	17	4	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Cracking (RC and Other)**	**1/32" - 1/16" WIDE TRANSVERSE AND VERTICAL CRACKS IN SOUTH FACE, THAT EXTENDS INTO EAST AND WEST FACES. TOTAL LENGTH IS 8 FT.**	3	4	8	Feet
234	**Cracking (RC and Other)**	**A few hairline diagonal / vertical cracks at top of cap up to 18" long primarily under beam locations both faces**	2	4		Feet

General Comments

Bent 7 Pile 2

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**MINOR ABRASION FOR 5FT STARTING AT WATER LEVEL.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 5 FEET.	2			Each

General Comments

Bent 7 Pile 3

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**MINOR ABRASION FOR 5FT STARTING AT WATER LEVEL.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 5 FEET.	2			Each

General Comments

Bent 7 Pile 4

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**MINOR ABRASION FOR 5FT STARTING AT WATER LEVEL.**	2	1		Each
226	**Abrasion/Wear (PSC/RC)**	**UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 5 FEET.**	2			Each

General Comments

Bent 7 Pile 5

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**MINOR ABRASION FOR 5FT STARTING AT WATER LEVEL.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 5 FEET.	2			Each
226	**Cracking (PSC)**	**UP TO 0.002 IN WIDE X 18 IN LONG VERTICAL CRACK IN SOUTHWEST CORNER, LOCATED BENEATH CAP.**	2	1	1	Each

General Comments

Bent 8 Pile 1

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**MINOR ABRASION FOR 5FT STARTING AT WATER LEVEL.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 5 FEET.	2			Each

General Comments

Bent 8 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	25	12	11	0	2	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Delamination/Spall**	**PAR: 1'-7" HIGH X 1' WIDE X 1 1/4" DEEP SPALL WITH EXPOSED REINFORCING ON WEST FACE BELOW BEAM 4, NO MEASURABLE SECTION LOSS (SEE PHOTO)**	4	2	2	Feet
234	**Cracking (RC and Other)**	**UP TO 1/32" WIDE TRANSVERSE AND VERTICAL CRACKS IN SOUTH FACE, THAT EXTENDS INTO EAST AND WEST FACES. TOTAL LENGTH IS 8 FT.**	2	3		Feet

234	**Delamination/Spall**	**1'-5" HIGH X 1'-3" WIDE AREA OF DELAMINATION ON WEST FACE UNDER BEAM 4, ADJACENT TO SPALL**	2	2	2	Feet
234	**Delamination/Spall**	**2'-6" HIGH X 1'-6" WIDE AREA OF DELAMINATION IN EAST FACE UNDER BEAM 2.**	2	3	3	Feet
234	**Delamination/Spall**	**4" DIAMETER X 1/2 DEEP SPALL WEST FACE AT NORTH END**	2	1	1	Feet
234	**Patched Area**	**TWO (2) 6 IN DIAMETER SOUND CONCRETE PATCHES IN TOP OF CAP, BAY 2, WEST FACE.**	2	2		Feet
234	**Cracking (RC and Other)**	**A few hairline diagonal / vertical cracks at top of cap up to 12" long primarily under beam locations both faces**	1	3		Feet
234	**Cracking (RC and Other)**	**HAIRLINE FULL LENGTH LONGITUDINAL CRACK IN CAP UNDERSIDE, BETWEEN PILES 3 AND 4.**	1	1		Feet
234	**Cracking (RC and Other)**	**TWO (2) HAIRLINE VERTICAL FULL HEIGHT CRACKS IN WEST FACE, ONE EACH IN BAY 3 AND UNDER RIGHT OVERHANG. ONE (1) VERTICAL FULL HEIGHT CRACK IN EAST FACE, UNDER BEAM 3.**	1	3		Feet

General Comments

Bent 8 Pile 2

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**MINOR ABRASION FOR 5FT STARTING AT WATER LEVEL.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 5 FEET.	2			Each

General Comments

Bent 8 Pile 3

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**MINOR ABRASION FOR 5FT STARTING AT WATER LEVEL.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 5 FEET.	2			Each

General Comments

Bent 8 Pile 4

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**MINOR ABRASION FOR 5FT STARTING AT WATER LEVEL.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 5 FEET.	2			Each

General Comments

Bent 8 Pile 5

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	0	0	1	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Delamination/Spall**	**PAR: 18" WIDE X 10" HIGH X 3" DEEP SPALL WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS ON SOUTH FACE, 3' ABOVE WATERLINE**	4		1	Each
226	**Delamination/Spall**	**PAR: 7" HIGH X 1' WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS IN SOUTH FACE, AT 12' FROM WATER LEVEL (SEE PHOTO)**	4	1	1	Each
226	**Abrasion/Wear (PSC/RC)**	**MINOR ABRASION FOR 5FT STARTING AT WATER LEVEL.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 5 FEET.	2			Each

General Comments

Bent 9 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	25	0	9	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Cracking (RC and Other)**	**UP TO 12' LONG X 1/16" WIDE LONGITUDINAL CRACK ON BOTTOM FACE OF CAP, ADJACENT TO EAST EDGE BETWEEN PILES 3 AND 5**	3	12	12	Feet
234	**Delamination/Spall**	**1'-7" HIGH X 9 1/2" WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT ON WEST FACE BELOW BEAM 1, NO MEASURABLE SECTION LOSS (SEE PHOTO)**	3	1	1	Feet
234	**Delamination/Spall**	**3'-6" WIDE X 1'-2" HIGH X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT ON WEST FACE ABOVE PILE 4, NO MEASURABLE SECTION LOSS (SEE PHOTO)**	3	3	3	Feet
234	**Cracking (RC and Other)**	**1/32" TRANSVERSE AND VERTICAL CRACKS IN SOUTH FACE, THAT EXTENDS INTO EAST AND WEST FACES. TOTAL LENGTH IS 6 FT.**	2	2		Feet
234	**Cracking (RC and Other)**	**AREA OF HAIRLINE MAP CRACKING WITH HORIZONTAL AND VERTICAL CRACKING UP TO 1/32" WIDE ON WEST FACE BELOW BEAMS 3 AND 4**	2	4		Feet
234	**Delamination/Spall**	**1'-3" WIDE X 7" HIGH AREA OF DELAMINATION WITH UNSOUND PATCH ON WEST FACE, BELOW BAY 3**	2	2	2	Feet
234	**Delamination/Spall**	**10" WIDE X 4" HIGH X 1" DEEP SPALL ON EAST FACE ADJACENT TO BEAM 2**	2	1	1	Feet
234	**Cracking (RC and Other)**	**A few hairline diagonal / vertical cracks at top of cap up to 12" long primarily under beam locations both faces**	1	3		Feet

General Comments

Bent 9 Pile 1

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Delamination/Spall**	**(3) 5" diameter x 1/2" deep spalls on west face 6' from ground line.**	2	1	3	Each

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 1	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 1	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 1	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 1	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 2	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 2	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 2	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 2	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 3	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 3	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 3	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 3	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 4	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 4	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 4	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 4	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 5	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 5	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 5	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 5	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 5	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 5	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 5	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 5	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 6	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1679
Span 6	Beam 1	Plate Girder	Steel Open Girder/Beam	65
Span 6	Beam 2	Plate Girder	Steel Open Girder/Beam	65
Span 6	Beam 3	Plate Girder	Steel Open Girder/Beam	65
Span 6	Beam 4	Plate Girder	Steel Open Girder/Beam	65

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 6	Beam 5	Plate Girder	Steel Open Girder/Beam	65
Span 6	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	65
Span 6	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	65
Span 6	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1560
Span 6	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Far Bearing	Movable Bearing	Movable Bearing	1
Span 6	Far Bearing	Movable Bearing	Movable Bearing	1
Span 6	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Far Bearing	Movable Bearing	Movable Bearing	1
Span 6	Far Bearing	Movable Bearing	Movable Bearing	1
Span 6	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Far Bearing	Movable Bearing	Movable Bearing	1
Span 7	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 7	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 7	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 7	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 7	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 7	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 7	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 7	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 8	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 8	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 8	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 8	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 8	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 8	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 8	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 8	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 9	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 9	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 9	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 9	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 9	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 9	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 9	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 9	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 10	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 10	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 10	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 10	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 10	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 10	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 10	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 10	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 1	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	35
End Bent 1	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 1	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 1	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 1	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	35
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 2	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	35
End Bent 2	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 2	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 2	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 2	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 2	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	35
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 3	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 4	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 4	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 4	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 4	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 4	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 4	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 6	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 6	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Bent 6	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 7	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 7	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 7	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 7	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 7	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 7	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 8	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 8	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 8	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 8	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 8	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 8	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 9	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 9	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 9	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 9	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 9	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 9	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1

General Inspection Notes

Span 4 Beam 2

5 FT LONG X 2.5 IN HIGH X 1/2 IN DEEP SPALL WITH EXPOSED REINFORCEMENT IN INTERMEDIATE DIAPHRAGM BAY 1, WEST FACE. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT

Span 6 Deck

10 IN WIDE X 5 IN LONG X 3 IN DEEP SPALL WITH EXPOSED REINFORCEMENT IN END DIAPHRAGM AT BENT 5, BAY 1, BEAM

National Bridge and NC Inspection Items

Structure Number: 530020 **Inspection Date:** 04/08/2022

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**7**
Item 59: Superstructure	0 - 9 , N	**6**
Item 60: Substructure	0 - 9 , N	**6**
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			
Slope Protection	G, F, P, or C	**P**	**100**	**3352**
Scour	G, F, P, or C	**G**		
Wingwall	G, F, P, or C	**G**	**0**	**3350**
Field Scour Evaluation		**G**		
Drift	G, F, P, or C	**F**	**20**	**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		**A**		

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	**14**
Traffic Control Time	Hours	**9**
Snooper Time	Hours	**8**
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: 530020 **Inspection Date:** 04/08/2022

Item	Priority Maintenance Issued	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	PAR'S ISSUED FOR SPALLS WITH EXPOSED REINFORCING, CORROSION WITH SECTION LOSS, BEAM DISTORTION, UNDERMINING AT END BENTS, GUARDRAIL DAMAGE, AND DRIFT						
Item	Presently Posted	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	SV: 30 TTST: 31						
Item	Slope Protection	**Grade**	P	**Maint Code**	3352	**Qty.**	100
Details	PAR: FULL LENGTH X UP TO 1'-8" HIGH X FULL DEPTH VOID UNDER END BENT 2 CAP WITH ALL PILES EXPOSED. THERE IS A TIMBER BACKWALL IN PLACE BEHIND PILES 4-5. THERE IS NO RETAINING MEASURE IN PLACE TO HOLD BACK FILL FOR THE REMAINDER OF CAP LENGTH (SEE PHOTOS) PAR: 25' LONG X UP TO 15" HIGH X UP TO FULL DEPTH VOID UNDER END BENMT 1 CAP WITH PILES 2-5 EXPOSED (SEE PHOTO)						
Item	Drift	**Grade**	F	**Maint Code**	3366	**Qty.**	20
Details	PAR: AREA OF FALLEN TREES AND DRIFT UPSTREAM OF BENTS 7 AND 8 CREATING A PARTIAL BLOCKAGE (SEE PHOTO)						
Item	General Comments and Misc Items	**Grade**		**Maint Code**		**Qty.**	0
Details	7' LONG X FULL WIDTH WEDGE PATCH HAS BEEN ADDED TO THE WEST APPROACH ROADWAY SINCE PREVIOUS INSPECTION (SEE PHOTO) 12' LONG X FULL WIDTH WEDGE PATCH HAS BEEN ADDED TO THE EAST APPROACH ROADWAY SINCE PREVIOUS INSPECTION (SEE PHOTO) PAR: MODERATE AREA OF IMPACT DAMAGE ON NORTHWEST GUARDRAIL STARTING APPROXIMATELY 30' FROM EAST APPROACH, POSTS 5, 6, AND 7 ARE LEANING AND POSTS 6 AND 7 ARE TWISTED (SEE PHOTOS) PAR: NORTHEAST GUARDRAIL IS SITTING ON GROUND, 14" HIGH CREATING A POTENTIAL SAFETY HAZARD (SEE PHOTO)						
Item	Portion of structure in > 3' of water (Y or N)	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	BENTS 4-8 ARE IN GREATER THAN 3' OF WATER						

Span 10 Beam 3: PAR: 5' LONG X 18" WIDE AREA OF SPALLS WITH EXPOSED REINFORCEMENT AND UP TO 1/16" WIDE LONGITUDINAL CRACKS, STARTING 6' FROM END BENT 2 ON UNDERSIDE OF BEAM. SPALL SIZES VARY FROM 3" LONG X 6" WIDE X 1" DEEP TO 1'-6" LONG X 1' WIDE X 1 1/4" DEEP

Span 10 Beam 3: PAR: 5' LONG X 18" WIDE AREA OF SPALLS WITH EXPOSED REINFORCEMENT AND UP TO 1/16" WIDE LONGITUDINAL CRACKS, STARTING 6' FROM END BENT 2 ON UNDERSIDE OF BEAM. SPALL SIZES VARY FROM 3" LONG X 6" WIDE X 1" DEEP TO 1'-6" LONG X 1' WIDE X 1 1/4" DEEP

Span 10 Beam 1: 3" LONG X 4" WIDE X 1/2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM FACE, LOCATED AT MIDSPAN. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT.

Span 10 Beam 1: THREE (3) 11" WIDE X 3" LONG X 1/2" DEEP SPALLS WITH EXPOSED REINFORCEMENT IN BOTTOM FACE, LOCATED AT 6 FT FROM BENT 9. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT.

Bent 9 Cap 1: 1'-7" HIGH X 9 1/2" WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT ON WEST FACE BELOW BEAM 1, NO MEASURABLE SECTION LOSS

Bent 9 Cap 1: 3'-6" WIDE X 1'-2" HIGH X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT ON WEST FACE ABOVE PILE 4, NO MEASURABLE SECTION LOSS

Span 9 Beam 1: 2" DIAMETER X 3/16" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM FACE, LOCATED AT 15 FT FROM BENT 9. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT.

Span 9 Beam 4: 1' HIGH X 10" WIDE X 3/4 IN DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLE SECTION LOSS IN SOUTH FACE AT BENT 8

Span 9 Deck: 6'' WIDE X 4'' LONG X 1/2'' DEEP SPALL WITH EXPOSED REBAR IN RIGHT OVERHANG AT BENT 8

Bent 8 Pile 5: PAR: 7'' HIGH X 1' WIDE X 2'' DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS IN SOUTH FACE, AT 12' FROM WATER LEVEL.

Bent 8 Pile 5: PAR: 18" WIDE X 10" HIGH X 3" DEEP SPALL WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS ON SOUTH FACE, 3' ABOVE WATERLINE

Span 9 Beam 1: 3" WIDE X 6" HIGH X 1/2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTH FACE, LOCATED OVER BENT 8. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT.

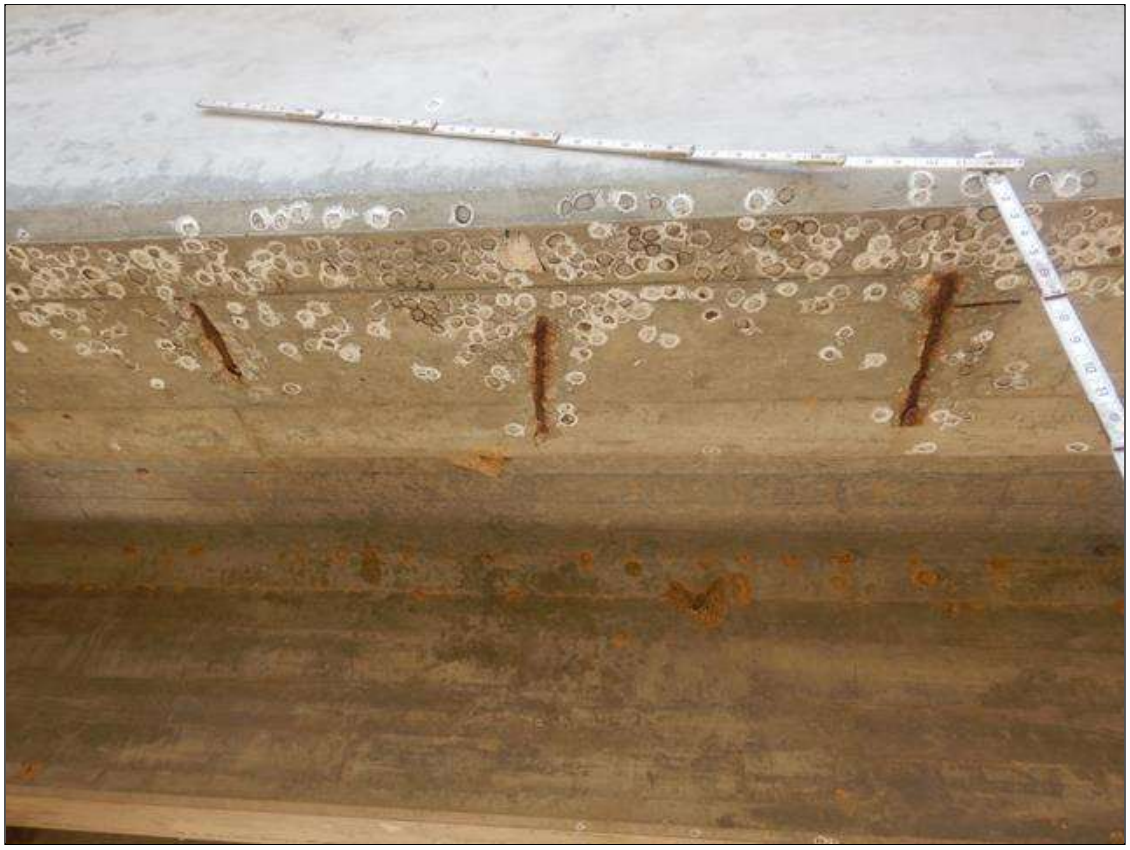
Span 8 Beam 1: 22" HIGH X UP TO 10" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS IN FORMERLY PATCHED AREA IN NORTH FACE, AT BENT 8

Bent 8 Cap 1: PAR: 1'-7" HIGH X 1' WIDE X 1 1/4" DEEP SPALL WITH EXPOSED REINFORCING ON WEST FACE BELOW BEAM 4, NO MEASURABLE SECTION LOSS

Span 8 Beam 4: PAR: 2' LONG X 1' HIGH X 6 1/2" WIDE ON BOTTOM FACE X 1 1/2" DEEP SPALL WITH EXPOSED REBAR, LOCATED ON BOTTOM RIGHT CORNER OVER BENT 8

Span 8 Beam 4: (2) SPALLS ON UNDERSIDE OF BEAM LOCATED 12' AND 14' FROM BENT 8. 5" LONG X 6" WIDE X 1/2" DEEP AND 3" LONG X 4" WIDE X 1/2" DEEP, BOTH WITH EXPOSED REINFORCEMENT. NO MEASURABLE SECTION LOSS

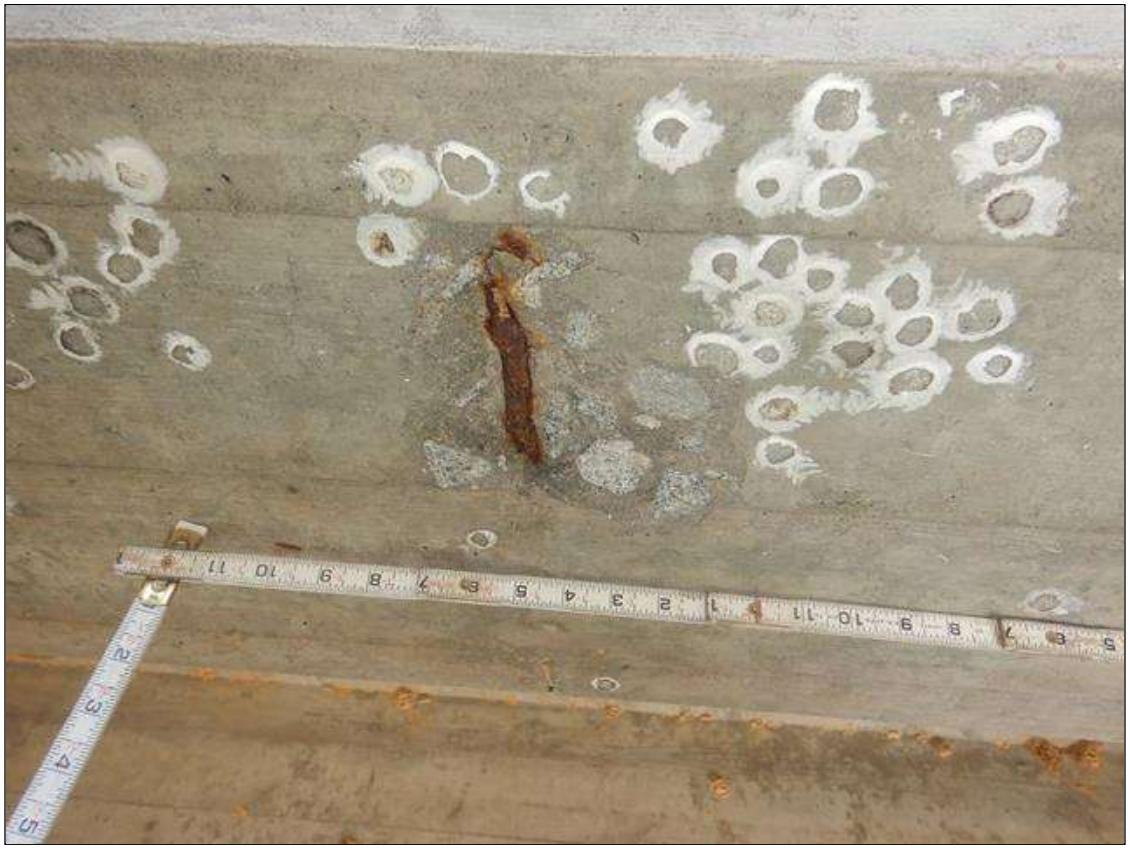
Span 7 Beam 1: 1'-3" LONG X 11" HIGH X 3/4 IN DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLE SECTION LOSS, LOCATED IN NORTH FACE ABOVE BENT 7 CAP.



Span 7 Beam 1: (3) UP TO 10" WIDE X 1 1/2" LONG X 1/2" DEEP SPALLS WITH EXPOSED REINFORCEMENT AND NO MEASURABLE SECTION LOSS IN BOTTOM FACE, STARTING AT 11 1/2' FROM BENT 7

Span 7 Deck: 8" LONG X 6" WIDE X 1" DEEP SPALL IN RIGHT OVERHANG WITH EXPOSED REBAR, LOCATED OVER BENT 6 & 7. (OVER BENT 7 SHOWN)

Span 7 Beam 1: (2) UP TO 7 IN WIDE X 2 IN LONG X 3/4 IN DEEP SPALLS WITH EXPOSED REINFORCEMENT IN BOTTOM FACE, LOCATED AT 7 FT FROM BENT 6



Span 7 Beam 4: (2) 7" LONG X 3" WIDE X 3/4" IN DEEP SPALL IN BOTTOM FACE WITH EXPOSED REINFORCEMENT, LOCATED AT 6 FT FROM BENT 7. NO MEASURABLE SECTION LOSS NOTED.

Span 7 Beam 4: (2) 7" LONG X 3" WIDE X 3/4" IN DEEP SPALL IN BOTTOM FACE WITH EXPOSED REINFORCEMENT, LOCATED AT 6 FT FROM BENT 7. NO MEASURABLE SECTION LOSS NOTED.

Span 7 Beam 1: 8" LONG X 1'-9" HIGH X UP TO 1" DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLE SECTION LOSS IN NORTH FACE, AT BENT 6.

Span 6 Beam 1: 1' LONG X 6" HIGH AREA OF CORROSION WITH SECTION LOSS ON BOTTOM OF WEB AT BENT 6, 1/2" REMAINING

Span 6 Beam 1: PAR: UP TO 1'-6" LONG AREA OF DISTORTION IN THE WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE NORTH UP TO 1/2"

Span 6 Beam 1: MINOR SURFACE CORROSION ON TOP OF BOTTOM FLANGE AND WEB, FOR FULL LENGTH EXCEPT FOR BEAM ENDS.

Span 6 Beam 5: CORROSION WITH MINOR DELAMINATION IN TOP AND BOTTOM FLANGES, AND BOTTOM 6 IN OF WEB FOR 11 FT LONG, STARTING AT 6 FT FROM BENT 6. NO MEASURABLE SECTION LOSS NOTED

Span 6 Beam 5: PAR: 7" LONG X 2" WIDE AREA OF CORROSION WITH 3/8" SECTION LOSS ON NORTH SIDE OF BOTTOM FLANGE AT BENT 6. 5/8" REMAINING

Span 6 Beam 5: PAR: 7" LONG X 2" WIDE AREA OF CORROSION WITH 3/8" SECTION LOSS ON NORTH SIDE OF BOTTOM FLANGE AT BENT 6. 5/8" REMAINING

Span 6 Beam 5 - Far Bearing: CORROSION WITH MINOR DELAMINATION

Span 6 Beam 2: 6" LONG X FULL WIDTH AREA OF SURFACE CORROSION WITH MINOR DELAMINATION ON BOTTOM FLANGE AND BOTTOM 3 IN OF WEB IN SOUTH FACE AT BENT 6 BEAM END. NO MEASURABLE SECTION LOSS NOTED.

Span 6 Beam 1: PAR: 1' LONG X FULL WIDTH AREA OF CORROSION WITH 1/4" SECTION LOSS ON BOTTOM FLANGE AT BENT 5, 3/4" REMAINING

HEAVY VEGETATION GROWTH ON TOP FACE OF BENT 4 CAP BELOW NORTH OVERHANG

Span 5 Beam 3: PAR: 18" LONG X 7" HIGH X 1 1/2" DEEP SPALL WITH EXPOSED REINFORCING IN SOUTH FACE, STARTING AT BENT 4

Bent 4 Pile 5: PAR: 2' HIGH X 11" WIDE X UP TO 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST FACE BELOW CAP

5 FT LONG X 2.5 IN HIGH X 1/2 IN DEEP SPALL WITH EXPOSED REINFORCEMENT IN INTERMEDIATE DIAPHRAGM SPAN 4 BAY 1, WEST FACE. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT

Span 4 Beam 3: (2) SPALLS WITH EXPOSED REINFORCEMENT IN BOTTOM FLANGE, 17' FROM BENT 4, UP TO 7" LONG X 4" WIDE X 1/2" DEEP. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT

Bent 4 Cap 1: 1'-4" LONG X 10" HIGH X UP TO 2" DEEP SPALL IN TOP OF CAP, WEST FACE, BAY 3.

Bent 4 Pile 3: PAR: 9' HIGH X 8" WIDE X 1" DEEP SPALL AND DELAMINATION WITH EXPOSED REINFORCEMENT AND NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER.

Bent 4 Pile 1: PAR: 10" HIGH X 6" WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER, MID HEIGHT

Bent 4 Cap 1: 2'-5" LONG X 6" HIGH X UP TO 4" DEEP SPALL IN TOP OF CAP, WEST FACE, BAY 1.

Bent 2 Cap 1: 17" HIGH X 5" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEAURABLE SECTION LOSS ON EAST FACE BELOW BEAM 1

Bent 2 Pile 1: EXPOSED AGGREGATE AND ABRASION FOR 5 FT STARTING AT GROUND LEVEL.

Bent 2 Cap 1: 1' HIGH X 9" WIDE X 1" DEEP SPALL ON EAST FACE BELOW BAY 1 WITH EXPOSED REINFORCING, NO MEASURABLE SECTION LOSS

Bent 2 Cap 1: 1'-6" HIGH X 9" WIDE X 1" DEEP SPALL ON EAST FACE BELOW BAY 2 WITH EXPOSED REINFORCING, NO MEASURABLE SECTION LOSS

Bent 3 Cap 1: 1'-8" HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS IN WEST FACE, BELOW BEAM 4.

Span 3 Beam 4: THREE (3) 8" LONG X 3" WIDE X 1/2" DEEP SPALLS WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE LOSS IN UNDERSIDE OF BEAM, STARTING AT 8 FT FROM BENT 3.

Span 3 Beam 3: PAR: 3'-8" LONG X 18" WIDE X UP TO 5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM FLANGE AT BENT 3, EXTENDING 13" HIGH ON THE SOUTH FACE AND 4" HIGH ON THE NORTH FACE. FOUR LONGITUDINAL BARS AND 6 STIRRUPS EXPOSED WITH NO MEASURABLE SECTION LOSS IN LONGITUDINAL BARS AND 60% AVG SECTION REMAINING IN STIRRUPS.

Bent 3 Cap 1: 1' HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCING, NO MEASURABLE SECTION LOSS, AT BOTTOM OF WEST FACE BELOW BAY 1

Bent 3 Cap 1: 6" HIGH X 4" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCING, NO MEASURABLE SECTION LOSS, AT BOTTOM OF WEST FACE BELOW BAY 1

Span 2 Beam 4: PAR: 11" HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS (1/16") IN SOUTH FACE AT BENT 1.

Bent 1 Cap 1: 16" HIGH X 11" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS EAST FACE UNDER BEAM 4

Span 1 Beam 3: (3) 11" LONG X 1" WIDE X 1/4" DEEP SPALLS WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS IN BOTTOM FLANGE BETWEEN INTERIOR DIAPHRAGM AND BENT 1.

Bent 1 Cap 1: FULL HEIGHT AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE AND LEAKAGE STAINS IN WEST FACE, BELOW BAYS 2 AND 3

Span 1 Wearing Surface: UP TO 3/16" WIDE X FULL DECK WIDTH CRACK OVER BENT 1, CRACK EXPANDS TO 1 1/2" WIDE IN SHOULDERS

Span 1 Wearing Surface: UP TO 3/16" WIDE X FULL DECK WIDTH CRACK OVER BENT 1, CRACK EXPANDS TO 1 1/2" WIDE IN SHOULDERS

Span 2 Wearing Surface: UP TO 1/8" WIDE X FULL DECK WIDTH CRACK OVER BENT 2, CRACK EXPANDS TO 1 1/4" WIDE IN SHOULDERS

PAR: AREA OF FALLEN TREES AND DRIFT UPSTREAM OF BENTS 7 AND 8 CREATING A PARTIAL BLOCKAGE

End bent 1 Cap 1: UP TO 15" WIDE X 12" HIGH X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT UNDER BEAM 4 WITH NO MEASURABLE SECTION LOSS

Span 6 Beam 5: PAR: UP TO 6" LONG AREA OF DISTORTION IN WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE SOUTH UP TO 1/2"

12' LONG X FULL WIDTH WEDGE PATCH HAS BEEN ADDED TO THE EAST APPROACH ROADWAY SINCE PREVIOUS INSPECTION

7' LONG X FULL WIDTH WEDGE PATCH HAS BEEN ADDED TO THE WEST APPROACH ROADWAY SINCE PREVIOUS INSPECTION

PAR: MODERATE AREA OF IMPACT DAMAGE ON NORTHWEST GUARDRAIL STARTING APPROXIMATELY 30' FROM EAST APPROACH, POSTS 5, 6, AND 7 ARE LEANING AND POSTS 6 AND 7 ARE TWISTED

PAR: MODERATE AREA OF IMPACT DAMAGE ON NORTHWEST GUARDRAIL STARTING APPROXIMATELY 30' FROM EAST APPROACH, POSTS 5, 6, AND 7 ARE LEANING AND POSTS 6 AND 7 ARE TWISTED

Structure: 530020 County: LENOIR Date: 04/08/2022 Condition Photos

PAR: NORTHEAST GUARDRAIL IS SITTING ON GROUND, 14" HIGH CREATING A POTENTIAL SAFETY HAZARD

End bent 2 Abutment: PAR: FULL LENGTH X UP TO 1'-8" HIGH X FULL DEPTH VOID UNDER CAP WITH ALL PILES EXPOSED. THERE IS A TIMBER BACKWALL IN PLACE BEHIND PILES 4-5. THERE IS NO RETAINING MEASURE IN PLACE TO HOLD BACK FILL FOR THE REMAINDER OF CAP LENGTH

End bent 2 Abutment: PAR: FULL LENGTH X UP TO 1'-8" HIGH X FULL DEPTH VOID UNDER CAP WITH ALL PILES EXPOSED. THERE IS A TIMBER BACKWALL IN PLACE BEHIND PILES 4-5. THERE IS NO RETAINING MEASURE IN PLACE TO HOLD BACK FILL FOR THE REMAINDER OF CAP LENGTH

End bent 1 Abutment: PAR: 25' LONG X UP TO 15" HIGH X UP TO FULL DEPTH VOID UNDER CAP WITH PILES 2-5 EXPOSED

Stream Bed Soundings

(Profile diagram on following sheet)

County **LENOIR** Structure Number: **530020** Inspection Date **04/06/2022**

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

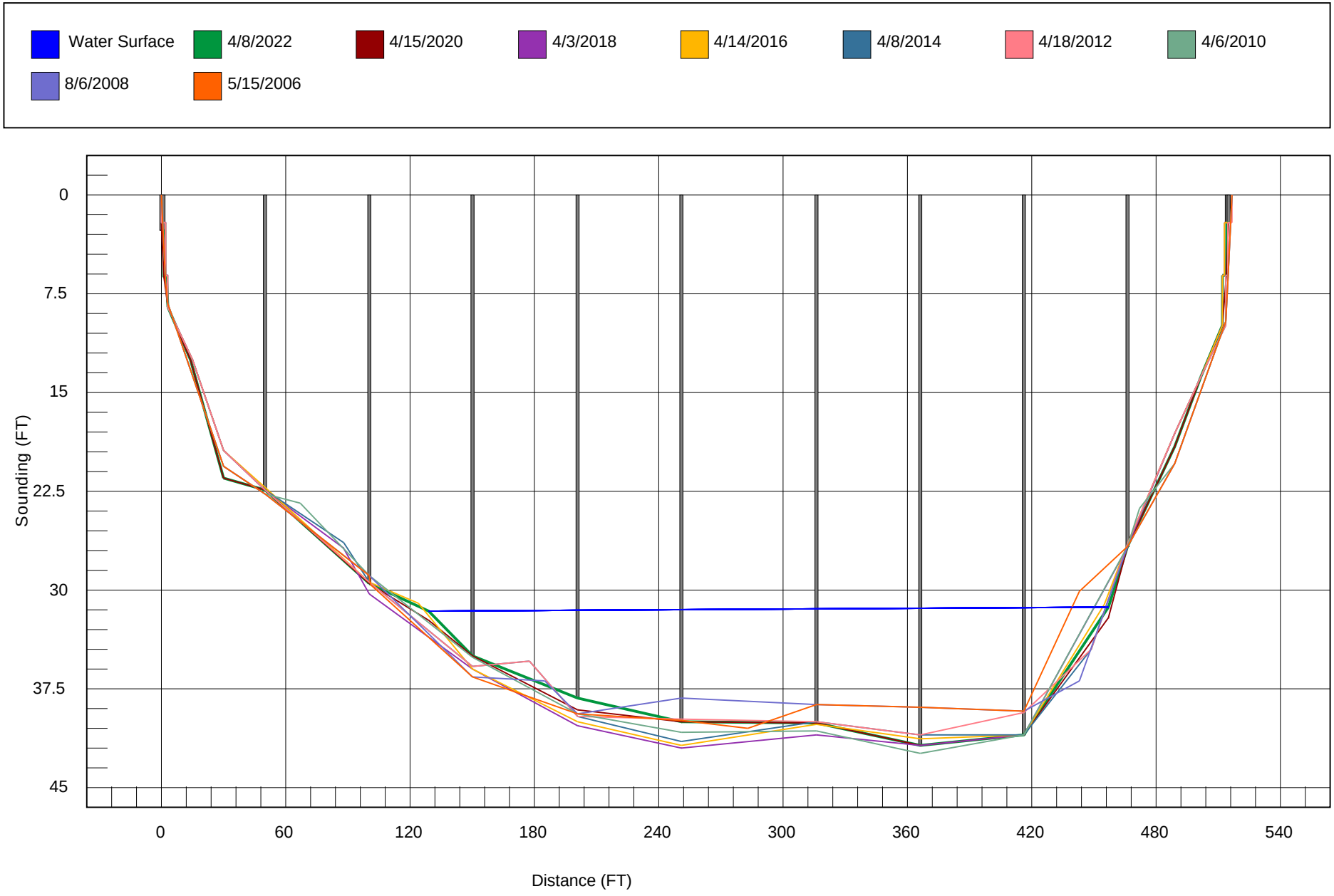
Highwater Mark Distance **24** Location of Highwater Mark **STAINS ON COLUMNS**

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.670	0.000	TOP OF ABUTMENT
1.000	2.670	0.000	TOP OF ABUTMENT
1.100	6.250	0.000	TOP OF CAP
2.500	6.250	0.000	TOP OF CAP
3.100	8.500	9.000	FACE OF CAP
14.000	12.500	0.000	TOP OF SLOPE
30.000	21.500	0.000	TOE OF SLOPE
50.000	22.400	22.200	BENT 1
100.300	29.500	31.500	BENT 2
129.000	31.600	0.000	WSWE
150.100	35.000	30.400	BENT 3
200.800	38.200	36.500	BENT 4
250.900	40.000	38.600	BENT 5
316.100	40.100	40.700	BENT 6
366.200	41.800	41.600	BENT 7
416.200	41.000	36.000	BENT 8
457.000	31.300	0.000	WSWE
466.200	26.700	23.700	BENT 9
489.000	19.100	0.000	TOE OF SLOPE
501.600	13.800	0.000	TOP OF SLOPE
511.990	9.900	9.500	FACE OF CAP
512.010	6.100	0.000	TOP OF CAP
513.900	6.100	0.000	TOP OF CAP
514.100	2.100	0.000	TOP OF ABUTMENT
515.000	2.100	0.000	TOP OF ABUTMENT

Bridge: 530020 County: LENOIR Date: 04/08/2022

STREAMBED PROFILE (Downstream)

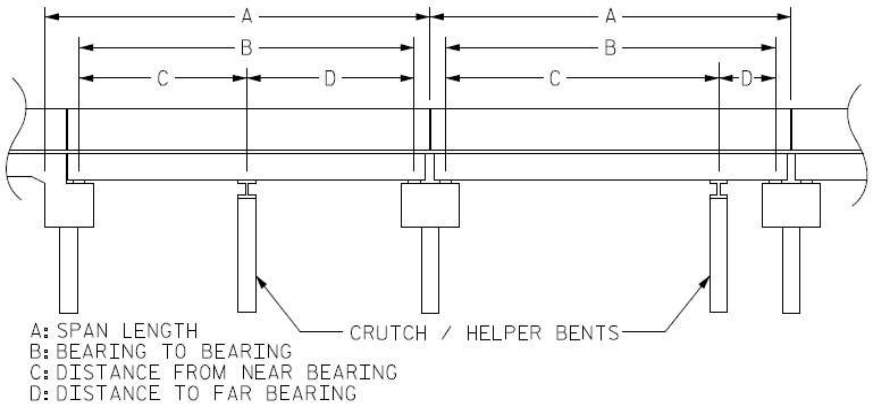
Top of Rail = 0FT (Sounding)



Structure Data Worksheet

Span Profile

County: **LENOIR** Structure Number: **530020**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	50.000	49.000			
2	50.000	49.000			
3	50.000	49.000			
4	50.000	49.000			
5	50.000	49.000			
6	65.000	64.000			
7	50.000	49.000			
8	50.000	49.000			
9	50.000	49.000			
10	50.000	49.000			

WEST APPROACH LOOKING EAST

WEST APPROACH LOOKING WEST

EAST APPROACH LOOKING EAST

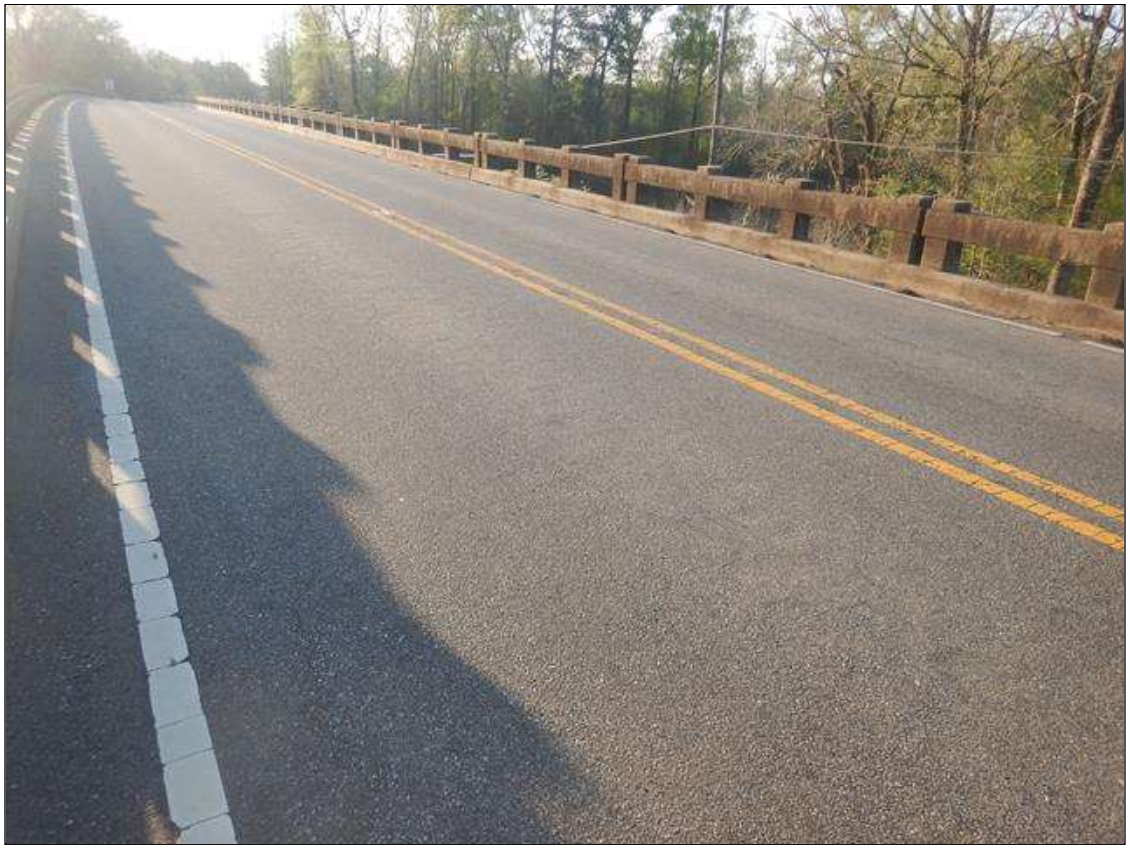
EAST APPROACH LOOKING WEST

WEIGHT POSTING SIGN, EAST APPROACH SHOWN

WEIGHT POSTING SIGN, WEST APPROACH SHOWN

LOOKING SOUTH, UPSTREAM FROM BRIDGE

LOOKING NORTH, DOWNSTREAM FROM BRIDGE



TYPICAL WEARING SURFACE, SPAN 1 SHOWN

RIGHT BRIDGE RAIL, LEFT BRIDGE RAIL SIMILAR

TYPICAL GUARDRAIL AT BRIDGE RAIL (NOT CONNECTED), SOUTHWEST SHOWN

TYPICAL GUARDRAIL TRANSITION POST SPACING, SOUTHWEST SHOWN

TYPICAL GUARDRAIL MIDPOST SPACING, SOUTHWEST SHOWN

TYPICAL GUARDRAIL END TREATMENT, SOUTHWEST SHOWN

TYPICAL BEARING, SPAN 9 BEAM 2 NEAR BEARING SHOWN

TYPICAL BENT, WEST ELEVATION OF BENT 8 SHOWN

TYPICAL BEARING, SPAN 6 BEAM 4 FAR BEARING SHOWN

SPAN 6 SUPERSTRUCTURE

TYPICAL SUPERSTRUCTURE, SPAN 7 SHOWN

SNOOPER IN USE

TRAFFIC CONTROL

SOUTH PROFILE FROM SOUTHEAST CORNER

NORTH PROFILE FROM NORTHEAST CORNER

TYPICAL BRIDGE PLAQUE

END BENT 2 ELEVATION

END BENT 1 ELEVATION

SOUTH ELEVATION

NORTH ELEVATION

WEST APPROACH NARROW BRIDGE SIGN, 0.07 MILES FROM END BENT 1

EAST APPROACH NARROW BRIDGE SIGN, 0.02 MILES FROM END BENT 2

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 530020 County LENOIR Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3120	Repair/Maintain Barriers	LF	12	PAR: MODERATE AREA OF IMPACT DAMAGE ON NORTHWEST GUARDRAIL STARTING APPROXIMATELY 30' FROM EAST APPROACH, POSTS 5, 6, AND 7 ARE LEANING AND POSTS 6 AND 7 ARE TWISTED (SEE PHOTOS)	
3120	Repair/Maintain Barriers	LF	1	PAR: NORTHEAST GUARDRAIL IS SITTING ON GROUND, 14" HIGH CREATING A POTENTIAL SAFETY HAZARD (SEE PHOTO)	
3306	Maintain Concrete Superstructure Components	SF	5	Span 10 Beam 3: PAR: 5' LONG X 18" WIDE AREA OF SPALLS WITH EXPOSED REINFORCEMENT AND UP TO 1/16" WIDE LONGITUDINAL CRACKS, STARTING 6' FROM END BENT 2 ON UNDERSIDE OF BEAM. SPALL SIZES VARY FROM 3" LONG X 6" WIDE X 1" DEEP TO 1'-6" LONG X 1' WIDE X 1 1/4" DEEP (SEE POTOS)	
3306	Maintain Concrete Superstructure Components	SF	2	Span 8 Beam 4: PAR: 2' LONG X 1' HIGH X 6 1/2" WIDE ON BOTTOM FACE X 1 1/2" DEEP SPALL WITH EXPOSED REBAR, LOCATED ON BOTTOM RIGHT CORNER OVER BENT 8 (SEE PHOTO)	
3306	Maintain Concrete Superstructure Components	SF	2	Span 5 Beam 3: PAR: 18" LONG X 7" HIGH X 1 1/2" DEEP SPALL WITH EXPOSED REINFORCING IN SOUTH FACE, STARTING AT BENT 4 (SEE PHOTO)	
3306	Maintain Concrete Superstructure Components	SF	4	Span 3 Beam 3: PAR: 3'-8" LONG X 18" WIDE X UP TO 5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM FLANGE AT BENT 3, EXTENDING 13" HIGH ON THE SOUTH FACE AND 4" HIGH ON THE NORTH FACE. FOUR LONGITUDINAL BARS AND 6 STIRRUPS EXPOSED WITH NO MEASURABLE SECTION LOSS IN LONG. BARS AND 60% AVG SECTION REMAINING IN STIRRUPS (SEE PHOTO)	
3306	Maintain Concrete Superstructure Components	SF	1	Span 2 Beam 4: PAR: 11" HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS (1/16") IN SOUTH FACE AT BENT 1 (SEE PHOTO)	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 530020 County LENOIR Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	2	Span 6 Beam 5: PAR: 7" LONG X 2" WIDE AREA OF CORROSION WITH 3/8" SECTION LOSS ON NORTH SIDE OF BOTTOM FLANGE AT BENT 6. 5/8" REMAINING (SEE PHOTOS)	
3314	Maintain Steel Superstructure Components	LF	1	Span 6 Beam 5: PAR: UP TO 6" LONG AREA OF DISTORTION IN WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE SOUTH UP TO 1/2" (SEE PHOTO)	
3314	Maintain Steel Superstructure Components	LF	1	Span 6 Beam 1: PAR: 1' LONG X FULL WIDTH AREA OF CORROSION WITH 1/4" SECTION LOSS ON BOTTOM FLANGE AT BENT 5, 3/4" REMAINING	
3314	Maintain Steel Superstructure Components	LF	2	Span 6 Beam 1: PAR: UP TO 1'-6" LONG AREA OF DISTORTION IN THE WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE NORTH UP TO 1/2" (SEE PHOTO)	
3348	Maintain Concrete Substructure Components	LF	1	Bent 4 Pile 1: PAR: 10" HIGH X 6" WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER, MID HEIGHT (SEE PHOTO)	
3348	Maintain Concrete Substructure Components	LF	1	Bent 4 Pile 3: PAR: 9' HIGH X 8" WIDE X 1" DEEP SPALL AND DELAMINATION WITH EXPOSED REINFORCEMENT AND NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER (SEE PHOTO)	
3348	Maintain Concrete Substructure Components	LF	1	Bent 4 Pile 5: PAR: 2' HIGH X 11" WIDE X UP TO 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST FACE BELOW CAP (SEE PHOTO)	
3348	Maintain Concrete Substructure Components	LF	2	Bent 8 Cap 1: PAR: 1'-7" HIGH X 1' WIDE X 1 1/4" DEEP SPALL WITH EXPOSED REINFORCING ON WEST FACE BELOW BEAM 4, NO MEASURABLE SECTION LOSS (SEE PHOTO)	
3348	Maintain Concrete Substructure Components	LF	1	Bent 8 Pile 5: PAR: 18" WIDE X 10" HIGH X 3" DEEP SPALL WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS ON SOUTH FACE, 3' ABOVE WATERLINE	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 530020 County LENOIR Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3348	Maintain Concrete Substructure Components	LF	1	Bent 8 Pile 5: PAR: 7" HIGH X 1' WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS IN SOUTH FACE, AT 12' FROM WATER LEVEL (SEE PHOTO)	
3350	Maint R C Wings and Walls	SF	25	End bent 1 Abutment: PAR: 25' LONG X UP TO 15" HIGH X UP TO FULL DEPTH VOID UNDER CAP WITH PILES 2-5 EXPOSED (SEE PHOTO)	
3350	Maint R C Wings and Walls	SF	35	End bent 2 Abutment: PAR: FULL LENGTH X UP TO 1'-8" HIGH X FULL DEPTH VOID UNDER CAP WITH ALL PILES EXPOSED. THERE IS A TIMBER BACKWALL IN PLACE BEHIND PILES 4-5. THERE IS NO RETAINING MEASURE IN PLACE TO HOLD BACK FILL FOR THE REMAINDER OF CAP LENGTH (SEE PHOTOS)	
3366	Drift and Debris Removal	HR	20	PAR: AREA OF FALLEN TREES AND DRIFT UPSTREAM OF BENTS 7 AND 8 CREATING A PARTIAL BLOCKAGE (SEE PHOTO)	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 530020 County LENOIR

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

MMS Code	MMS Description	Quantity
3120	Repair/Maintain Barriers	12 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

PAR: MODERATE AREA OF IMPACT DAMAGE ON NORTHWEST GUARDRAIL STARTING APPROXIMATELY 30' FROM EAST APPROACH, POSTS 5, 6, AND 7 ARE LEANING AND POSTS 6 AND 7 ARE TWISTED (SEE PHOTOS)

MMS Code	MMS Description	Quantity
3120	Repair/Maintain Barriers	1 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

PAR: NORTHEAST GUARDRAIL IS SITTING ON GROUND, 14" HIGH CREATING A POTENTIAL SAFETY HAZARD (SEE PHOTO)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 530020 County LENOIR

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	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

Span 10 Beam 3: PAR: 5' LONG X 18" WIDE AREA OF SPALLS WITH EXPOSED REINFORCEMENT AND UP TO 1/16" WIDE LONGITUDINAL CRACKS, STARTING 6' FROM END BENT 2 ON UNDERSIDE OF BEAM. SPALL SIZES VARY FROM 3" LONG X 6" WIDE X 1" DEEP TO 1'-6" LONG X 1' WIDE X 1 1/4" DEEP (SEE POTOS)

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

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

Span 8 Beam 4: PAR: 2' LONG X 1' HIGH X 6 1/2" WIDE ON BOTTOM FACE X 1 1/2" DEEP SPALL WITH EXPOSED REBAR, LOCATED ON BOTTOM RIGHT CORNER OVER BENT 8 (SEE PHOTO)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 530020 County LENOIR

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	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

Span 5 Beam 3: PAR: 18" LONG X 7" HIGH X 1 1/2" DEEP SPALL WITH EXPOSED REINFORCING IN SOUTH FACE, STARTING AT BENT 4 (SEE PHOTO)

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	4 SF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

Span 3 Beam 3: PAR: 3'-8" LONG X 18" WIDE X UP TO 5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM FLANGE AT BENT 3, EXTENDING 13" HIGH ON THE SOUTH FACE AND 4" HIGH ON THE NORTH FACE. FOUR LONGITUDINAL BARS AND 6 STIRRUPS EXPOSED WITH NO MEASURABLE SECTION LOSS IN LONG. BARS AND 60% AVG SECTION REMAINING IN STIRRUPS (SEE PHOTO)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 530020 County LENOIR

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	1 SF

Location:	
Bent/Span No.	

Priority Level	Status
	Request Awaiting Assignment

Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details
Span 2 Beam 4: PAR: 11" HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS (1/16") IN SOUTH FACE AT BENT 1 (SEE PHOTO)

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF

Location:	
Bent/Span No.	

Priority Level	Status
	Request Awaiting Assignment

Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details
Span 6 Beam 5: PAR: 7" LONG X 2" WIDE AREA OF CORROSION WITH 3/8" SECTION LOSS ON NORTH SIDE OF BOTTOM FLANGE AT BENT 6. 5/8" REMAINING (SEE PHOTOS)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 530020 County LENOIR

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

Span 6 Beam 5: PAR: UP TO 6" LONG AREA OF DISTORTION IN WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE SOUTH UP TO 1/2" (SEE PHOTO)

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

Span 6 Beam 1: PAR: 1' LONG X FULL WIDTH AREA OF CORROSION WITH 1/4" SECTION LOSS ON BOTTOM FLANGE AT BENT 5, 3/4" REMAINING

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 530020 County LENOIR

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

Span 6 Beam 1: PAR: UP TO 1'-6" LONG AREA OF DISTORTION IN THE WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE NORTH UP TO 1/2" (SEE PHOTO)

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

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

Bent 4 Pile 1: PAR: 10" HIGH X 6" WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER, MID HEIGHT (SEE PHOTO)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 530020 County LENOIR

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

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

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

Bent 4 Pile 3: PAR: 9' HIGH X 8" WIDE X 1" DEEP SPALL AND DELAMINATION WITH EXPOSED REINFORCEMENT AND NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER (SEE PHOTO)

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

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

Bent 4 Pile 5: PAR: 2' HIGH X 11" WIDE X UP TO 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST FACE BELOW CAP (SEE PHOTO)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 530020 County LENOIR

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	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

Bent 8 Cap 1: PAR: 1'-7" HIGH X 1' WIDE X 1 1/4" DEEP SPALL WITH EXPOSED REINFORCING ON WEST FACE BELOW BEAM 4, NO MEASURABLE SECTION LOSS (SEE PHOTO)

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

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

Bent 8 Pile 5: PAR: 18" WIDE X 10" HIGH X 3" DEEP SPALL WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS ON SOUTH FACE, 3' ABOVE WATERLINE

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 530020 County LENOIR

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

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

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

Bent 8 Pile 5: PAR: 7" HIGH X 1' WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS IN SOUTH FACE, AT 12' FROM WATER LEVEL (SEE PHOTO)

MMS Code	MMS Description	Quantity
3350	Maint R C Wings and Walls	25 SF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

End bent 1 Abutment: PAR: 25' LONG X UP TO 15" HIGH X UP TO FULL DEPTH VOID UNDER CAP WITH PILES 2-5 EXPOSED (SEE PHOTO)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 530020 County LENOIR

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

MMS Code	MMS Description	Quantity
3350	Maint R C Wings and Walls	35 SF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

End bent 2 Abutment: PAR: FULL LENGTH X UP TO 1'-8" HIGH X FULL DEPTH VOID UNDER CAP WITH ALL PILES EXPOSED. THERE IS A TIMBER BACKWALL IN PLACE BEHIND PILES 4-5. THERE IS NO RETAINING MEASURE IN PLACE TO HOLD BACK FILL FOR THE REMAINDER OF CAP LENGTH (SEE PHOTOS)

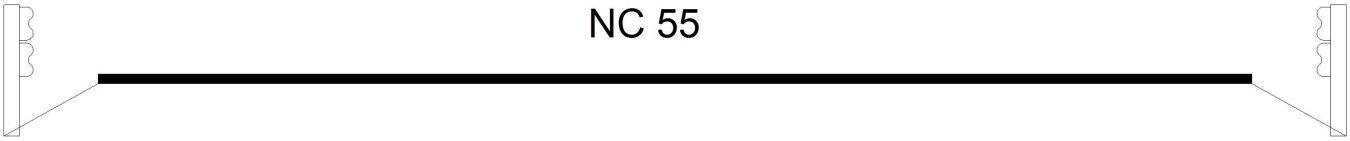
MMS Code	MMS Description	Quantity
3366	Drift and Debris Removal	20 HR

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
04/09/2022	JOHN DUBIEL	

Details

PAR: AREA OF FALLEN TREES AND DRIFT UPSTREAM OF BENTS 7 AND 8 CREATING A PARTIAL BLOCKAGE (SEE PHOTO)

Bridge Inspection Field Sketch



Roadway	22ft Wide	2 Paved Lanes	Looking East
Left Shoulder	1.833ft Wide		1.833ft Unpaved
Right Shoulder	1.833ft Wide		1.833ft Unpaved
Left Guardrail	1.833ft from road		
Right Guardrail	1.833ft from road		

MEASUREMENTS TAKEN 10 FEET FROM END BENT 1 DECK JOINT.

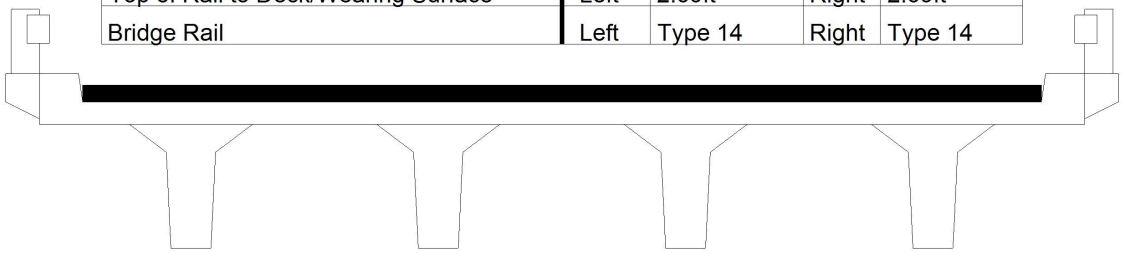
MEASUREMENTS MODIFIED BY JSD ON 4/08/2022

Title	**Description**
530020 WEST APPROACH ROADWAY	LOOKING EAST.

Bridge No:	**Drawn By:**	**Date:**	**File Name:**
530020	P.D. IPOCK	4/6/2010	S0050001872

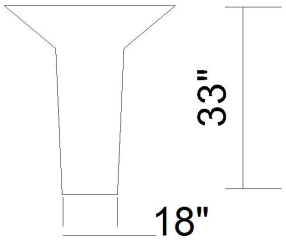
Bridge Inspection Field Sketch

Deck Width/Out to Out	27.25ft	Between Rails			25.25ft
Clear Roadway	24ft	Wearing Surface			0.373ft
Median Width		Median Height			
Curb Height		Left	0.583ft	Right	0.583ft
Sidewalk Width		Left		Right	
Clear Roadway (Rail to Median)		Left		Right	
Guardrail Width		Left	1.0ft	Right	1.0ft
Top of Rail to Deck/Wearing Surface		Left	2.69ft	Right	2.69ft
Bridge Rail		Left	Type 14	Right	Type 14



Measurements for Span #	1		
Deck Thickness	0.562'	Left Overhang	3.625'
Top of Rail to Bottom of Beam	6.375'	Right Overhang	3.625'

Beam Number	Beam Type	Spacing	Comments
1	RC Deck Girder	6.667ft	
2	RC Deck Girder	6.667ft	
3	RC Deck Girder	6.667ft	
4	RC Deck Girder	ft	



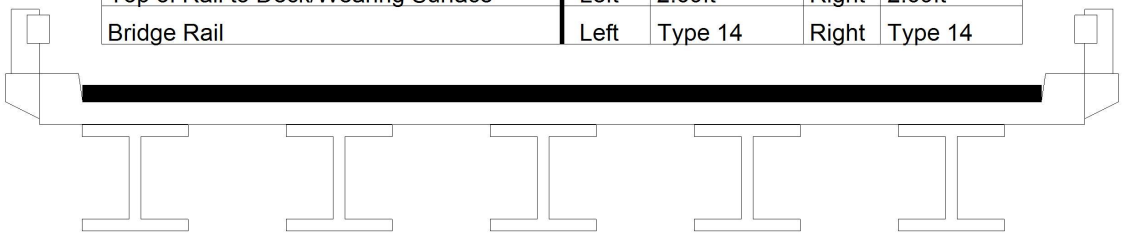
MEASUREMENTS VERIFIED BY JSD 4/8/22

Title	Description
530020 SUPERSTRUCTURE/ SPAN 1	SPANS 1 THRU 5 AND 7 THRU 10.

Bridge No:	Drawn By:	Date:	File Name:
530020	P.D. IPOCK	4/6/2010	S0050001873

Bridge Inspection Field Sketch

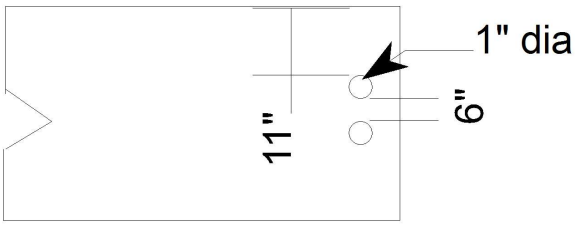
Deck Width/Out to Out	27.25ft	Between Rails				25.25ft
Clear Roadway	24ft	Wearing Surface				0.373ft
Median Width		Median Height				
Curb Height		Left	0.583ft	Right	0.583ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left	1.0ft	Right	1.0ft	
Top of Rail to Deck/Wearing Surface		Left	2.69ft	Right	2.69ft	
Bridge Rail		Left	Type 14	Right	Type 14	

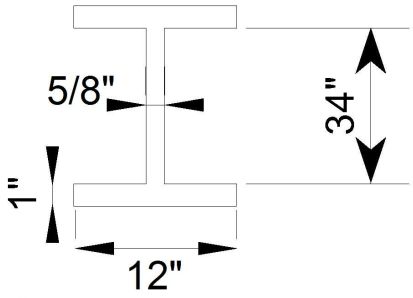


Measurements for Span #	5		
Deck Thickness	0.562	Left Overhang	2.625
Top of Rail to Bottom of Beam	6.521	Right Overhang	2.625

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	5.5ft	Steel W36X150 Beam
2	Steel I Beam	5.5ft	Steel W36X150 Beam
3	Steel I Beam	5.5ft	Steel W36X150 Beam
4	Steel I Beam	5.5ft	Steel W36X150 Beam
5	Steel I Beam	ft	Steel W36X150 Beam

BEAM 1 AND 5, AT BENT 5: 1 IN DIA DRILLED HOLE AT 6 IN SPACING, STARTING AT 3/4 IN FROM BEAM END. LOCATED 11 IN ABOVE TOP OF BOTTOM FLANGE.



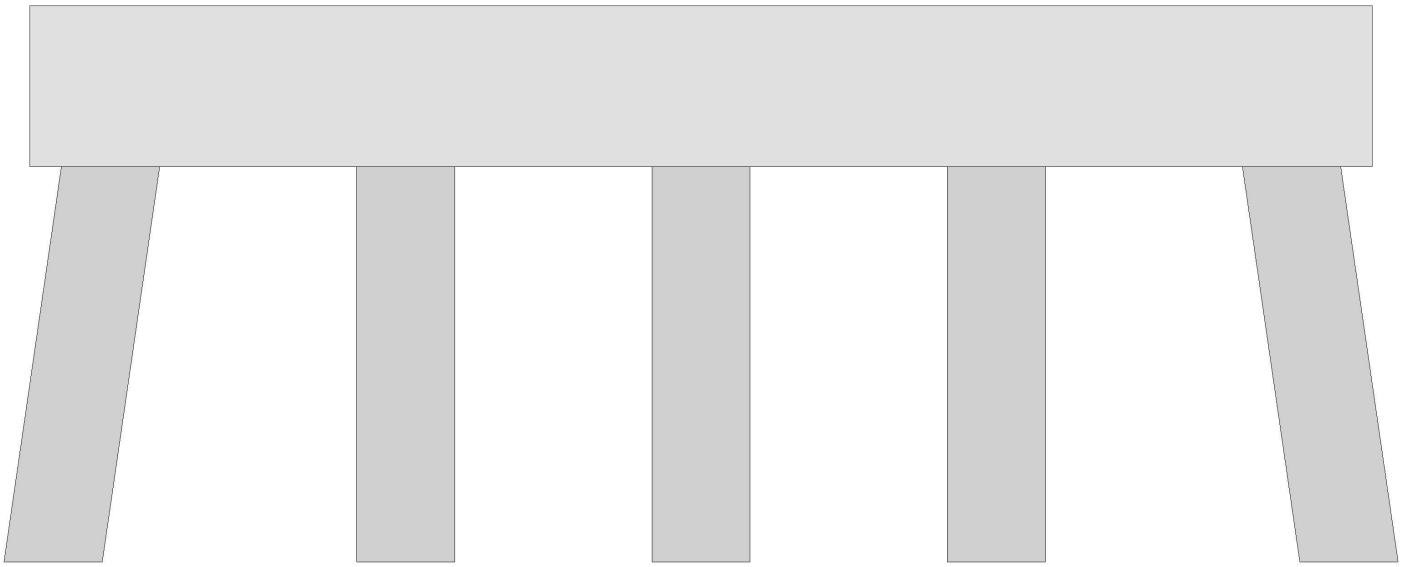


MEASUREMENTS VERIFIED BY JSD 4/8/22

Title	Description
530020 SUPERSTRUCTURE/ SPAN 6	SPANS 6.

Bridge No:	Drawn By:	Date:	File Name:
530020	P.D. IPOCK	4/6/2010	S0050001874

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.
25.000 ft.	3.250 ft.	3.000 ft.	1.833 ft.	1.833 ft.	1.750 ft.	1.750 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	5.5 ft.	1.667 ft.			Battered	Yes	No	No	No
2	Concrete	5.25 ft.	1.667 ft.			Vertical	Yes	No	No	No
3	Concrete	5.25 ft.	1.667 ft.			Vertical	Yes	No	No	No
4	Concrete	5.334 ft.	1.667 ft.			Vertical	Yes	No	No	No
5	Concrete		1.667 ft.			Battered	Yes	No	No	No

MEASUREMENTS VERIFIED BY JSD 4/8/22

Bent/Abutment #: 1 Similar Bents: 1,2,3,4,7,8,9

Title	**Description**
530020 SUBSTRUCTURE/ BT.1	SIMILAR BENTS 1,2,3,4,7,8,9

Bridge No: 530020	**Drawn By:** PD IPOCK	**Date:** 4/6/2010	**File Name:** S0050002987

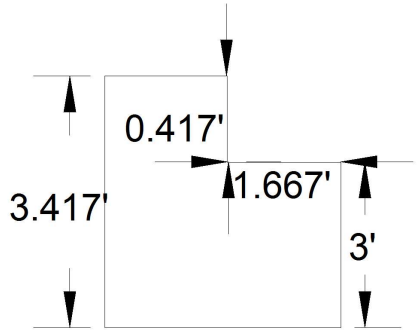
Bridge Inspection Field Sketch

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.
25.000 ft.	3.000 ft.	3.000 ft.	2.00 ft.	2.00 ft.	1.500 ft.	1.500 ft.

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

Sill Information			Material
Length	Width	Height	

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	5.167 ft.	1.667 ft.			Battered	Yes	No	No	No
2	Concrete	5.25 ft.	1.667 ft.			Vertical	Yes	No	No	No
3	Concrete	5.25 ft.	1.667 ft.			Vertical	Yes	No	No	No
4	Concrete	5.333 ft.	1.667 ft.			Vertical	Yes	No	No	No
5	Concrete		1.667 ft.			Battered	Yes	No	No	No



MEASUREMENTS VERIFIED BY JSD 4/8/22

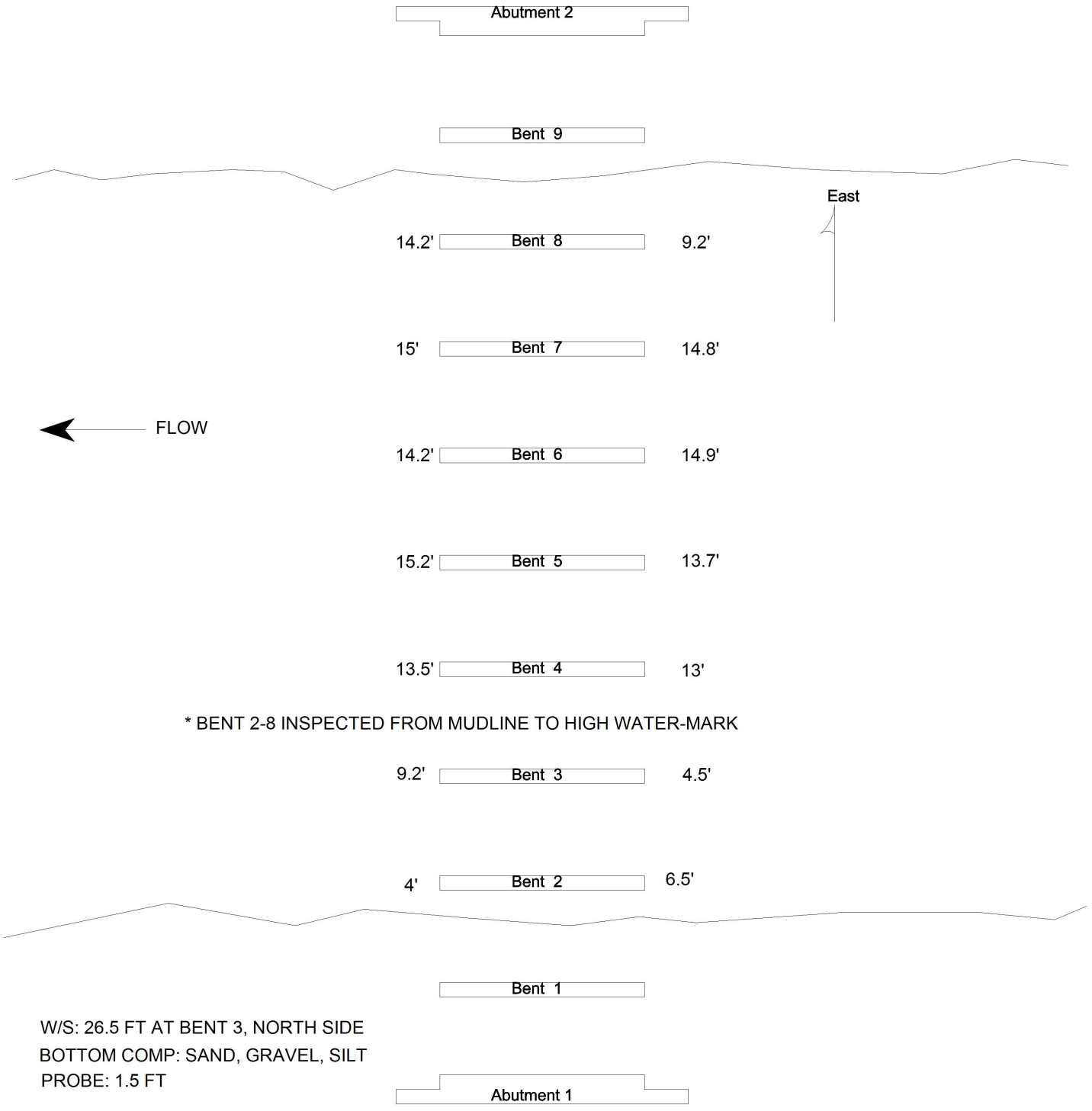
Bent/Abutment #: 5 Similar Bents: 6

Title
530020 SUBSTRUCTURE/ BT.5

Description
SIMILAR BENTS 5 & 6

Bridge No: 530020 **Drawn By:** PD IPOCK **Date:** 4/6/2010 **File Name:** S0050002988

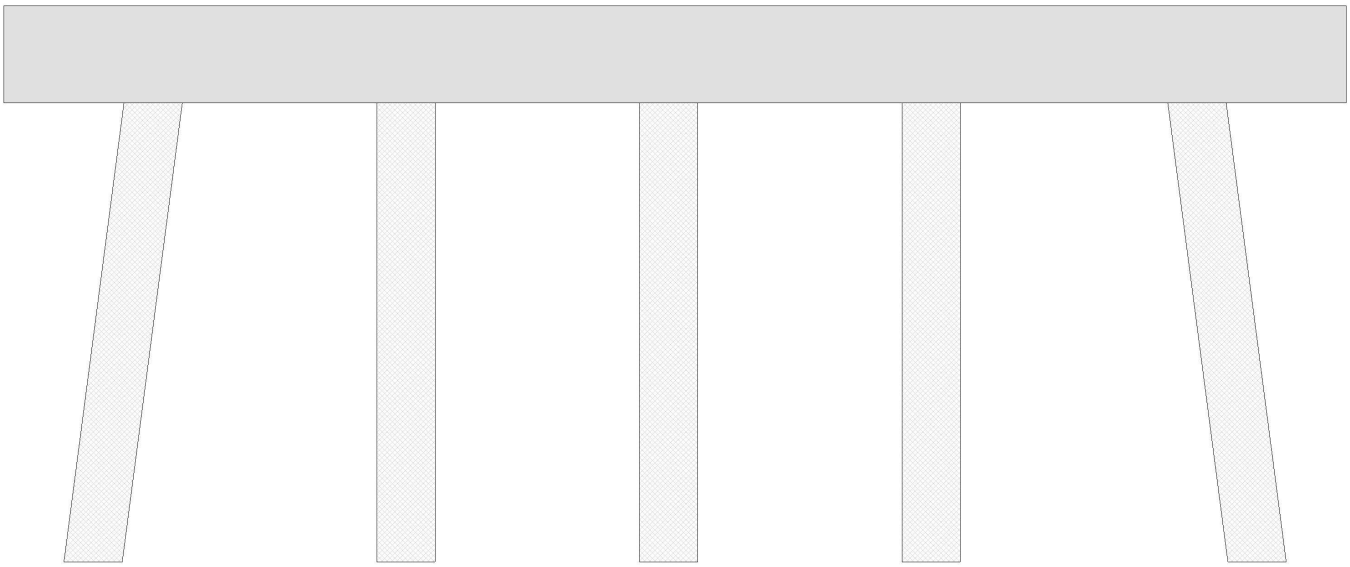
Bridge Inspection Field Sketch



Title	Description
WAYNE T. WILKINSON	PLAN VIEW

Bridge No:	Drawn By:	Date:	File Name:
530020	WTW	4-6-2010	S0158000014

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.
34.500 ft.	3.000 ft.	2.500 ft.	3.834 ft.	3.834 ft.	1.750 ft.	1.750 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	6.5 ft.	1.5 ft.			Battered	Yes	No	No	No
2	Concrete	6.75 ft.	1.5 ft.			Vertical	Yes	No	No	No
3	Concrete	6.75 ft.	1.5 ft.			Vertical	Yes	No	No	No
4	Concrete	6.833 ft.	1.5 ft.			Vertical	Yes	No	No	No
5	Concrete		1.5 ft.			Battered	Yes	No	No	No

Bent/Abutment #: 1 Similar Bents: 2 MEASUREMENTS VERIFIED BY JSD 4/8/22

Title	**Description**
END BENTS	END BENTS 1 AND 2

Bridge No: 530020	**Drawn By:** MED	**Date:** 4/3/2018	**File Name:** S0334000346