NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: NEWLY STRUCTURALLY DEFICIENT; STRUCTURE WAS CLOSED BY DIV 13 BRIDGE MAINTENANCE; PRIORITY MAINT; SNOOPER; SIGN NOTICE; TEMP REPAIRS; NBI CODING ITEMS REVISED

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 01/24/2018

DIVISION: 13 **COUNTY:** MCDOWELL **STRUCTURE NUMBER:** 580108 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: SR1560 **MILE POST:**

LOCATION: 20 FT.E.JCT.SR1556 20FT E JCT SR1556

FEATURE INTERSECTED: NORTH FORK CATAWBA RIVER

LATITUDE: 35° 48' 9.51" **LONGITUDE:** 82° 1' 3.89"

SUPERSTRUCTURE: PRESTRESSED CONCRETE CORED SLAB (STD.BMD-19-24-90)

SUBSTRUCTURE: E.BTS&INT.BTS:PPC CAPS/H-PILES;INT.BTS:ENCASED IN CONC.

SPANS: 4 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

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

GRADES: **DECK** 6 **SUPERSTRUCTURE** 6 **SUBSTRUCTURE** 4 **CULVERT** N

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

OTHER SIGNS PRESENT: (3) DELINEATORS



WEST APPROACH

Sign noticed issued for		Number Required
NO	**WEIGHT LIMIT**	0
YES	**DELINEATORS**	1
NO	**NARROW BRIDGE**	0
NO	**ONE LANE BRIDGE**	0
NO	**LOW CLEARANCE**	0

DIRECTION OF INSPECTION W-E

DIRECTION MATCHES PLANS

INSPECTED BY	SIGNATURE	ASSISTED BY
ERIC A. PATTERSON		KEITH PROCTOR

Structure Element Scoring

Structure Number: **580108**

Inspection Date **1/24/2018**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
15	0	Prestressed Concrete Top Flange	Beam	3960	3960	0	0	0
104	0	Prestressed Concrete Closed Web/Box Gir	Beam	1440	1052	303	85	0
216	0	Timber Abutment	Abutments	74	57	0	17	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	105	70	34	1	0
225	0	Steel Pile	Piles and Columns	25	7	1	8	9
515	225	Steel Protective Coating	Piles and Columns	3433	1928	120	0	1385
233	0	Prestressed Concrete Pier Cap	Caps	135	92	0	43	0
301	0	Pourable Joint Seal	Expansion Joints	75	75	0	0	0
310	0	Elastomeric Bearing	Bearing Device	72	72	0	0	0
330	0	Metal Bridge Railing	Bridge Rail	324	0	305	11	8
515	330	Steel Protective Coating	Bridge Rail	324	0	0	0	324
510	0	Wearing Surface	Wearing Surfaces	3880	3659	50	171	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **580108** Inspection Date: **01/24/2018**

MMS Code	Element Name	Defect Name	Recommended Quantity
3306	Prestressed Concrete Closed Web/Box	Delamination/Spall	366 Feet
3306	Prestressed Concrete Closed Web/Box	Cracking (PSC)	14 Feet
3306	Prestressed Concrete Closed Web/Box	Damage	3 Feet
3306	Prestressed Concrete Closed Web/Box	Patched Area	10 Feet
3346	Timber Abutment	Decay/Section Loss	39 Feet
3348	Reinforced Concrete Pile Cap/Footing	Cracking (RC and Other)	1 Feet
3354	Steel Pile	Corrosion	47 Each
3348	Prestressed Concrete Pier Cap	Cracking (PSC)	41 Feet
3348	Prestressed Concrete Pier Cap	Delamination/Spall	2 Feet
3322	Metal Bridge Railing	Distortion	1 Feet
3322	Metal Bridge Railing	Connection	18 Feet
2816	Wearing Surface	Delamination/Spall (Wearing Surfaces)	21 Square Feet
2816	Wearing Surface	Crack (Wearing Surface)	200 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	324 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	1505 Square Feet

Element Structure Maintenance Quantities

Structure Number: **580108** Inspection Date **01/24/2018**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3346	Maintenance of Timber Bulkheads or Wingwalls	39	74	0	17	0	57
Beam	3306	Maintenance Concrete Superstructure Components	393	1440	0	85	303	1052
Beam	3326	Maintenance of Concrete Deck	0	3960	0	0	0	3960
Bearing Device	3334	Bridge Bearing	0	72	0	0	0	72
Bridge Rail	3322	Maintenance of Steel Bridge Rail	19	324	8	11	305	0
Bridge Rail	3342	Clean and Paint Steel	324	324	324	0	0	0
Caps	3348	Maintenance of Concrete Substructure	43	135	0	43	0	92
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	75	0	0	0	75
Footing	3348	Maintenance of Concrete Substructure	1	105	0	1	34	70
Piles and Columns	3342	Clean and Paint Steel	1505	3433	1385	0	120	1928
Piles and Columns	3354	Maintenance of Steel Substructure Components	47	25	9	8	1	7
Wearing Surfaces	2816	Asphalt Surface Repair	221	3880	0	171	50	3659

Element Condition and Maintenance Data

Structure Number: **580108** Inspection Date: **01/24/2018**

Span 1 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	973	923	50	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	SCATTERED MAP CRACKING UP TO 1/8"W; PAST CRACKING HAS BEEN SEALED	2	50	50	Square Feet

General Comments

Span 1 — Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	41	0	31	10	0	Feet
515	Steel Protective Coating	41	0	0	0	41	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Connection	FROM ABUT 1 EXTENDING APPROX 10'L, BRIDGE RAIL IS LOOSE AT TWO UPRIGHTS AND CAN BE DEFLECTED BY HAND UP TO 6". PMAINT	3	10	10	Feet
330	Corrosion	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	2	31		Square Feet
515	Effectiveness (Steel Protective Coatings)	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	4	41	41	Square Feet

General Comments

Span 1 — Right Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	41	0	32	1	8	Feet
515	Steel Protective Coating	41	0	0	0	41	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Connection	APPROX 8'L SECTION OF BRIDGERAIL AND END HAS BEEN BROKEN AWAY FROM (2) UPRIGHTS. PMAINT	4	8	8	Feet
330	Distortion	SW CORNER, THE FIRST UPRIGHT RAIL SUPPORT HAS BEEN DAMAGED RESULTING IN A CRACK IN THE FLANGE AT THE CONNECTION BOLT. PMAINT	3	1	1	Feet
330	Corrosion	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	2	32		Square Feet
515	Effectiveness (Steel Protective Coatings)	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	4	41	41	Square Feet

General Comments

Span 1 Slab 1

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	21	0	19	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	APPROX 12' OUT FROM ABUT 1, LOWER OUBOARD CORNER, SPALLING WITH EXPOSED RESTEEL, APPROX 2'L X UP TO 4"W X UP TO 3"D WITH NO MEASURABLE SECTION LOSS	3	2	2	Feet
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED SPALLING WITH EXPOSED RESTEEL (NO MEASURABLE SECTION LOSS) UP TO 10"L X UP TO 1"D TOTALING APPROX 7SQFT.; SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 7SQFT.	3	14	14	Feet
104	Patched Area	OUTBOARD SIDE AT THE FIRST BRIDGERAIL UPRIGHT, APPROX 3SQFT X UP TO 4"D PATCH HAS FAILED.	3	3	3	Feet

General Comments

Span 1 Slab 2

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	32	8	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 8SQFT.	2	8	8	Feet

General Comments

Span 1 Slab 3

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	38	2	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Cracking (PSC)	LOWER SIDE OF THE SLAB, EXTENDING OUT FROM BENT 1, LONGITUDINAL CRACKING UP TO 1/32"W FOR APPROX 2'L	2	2		Feet

General Comments

Span 1 Slab 4

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	39	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE OF THE SLAB AT APPROX MID SPAN, APPROX 8"DIA DELAM	2	1	1	Feet

General Comments

Span 1 Slab 5

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	34	6	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 6SQFT.	2	6	6	Feet

General Comments

Span 1 Slab 6

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	26	0	14	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED SPALLING WITH EXPOSED RESTEEL (NO MEASURABLE SECTION LOSS) UP TO 8"DIA X UP TO 0.75"D TOTALING APPROX 7SQFT.; SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 7SQFT.	3	14	14	Feet

General Comments

Span 1 Slab 7

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	18	16	6	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Cracking (PSC)	LAST THIRD OF THE SPAN, LONGITUDINAL CRACKING UP TO 1/16"W STARTS AT THE SLAB EDGE AND WANDERS UP TO 3" AWAY FROM THE EDGE DOWN ITS LENGTH.	3	6	6	Feet
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED DELAM TOTALING APPROX 15SFQT.	2	15	15	Feet

104	Delamination/Spall	LOWER SIDE OF THE SLAB, SPALLING WITH EXPOSED RESTEEL, APPROX 3"DIA X UP TO 0.5"D	2	1	1	Feet

General Comments

Span 1 Slab 8

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	30	10	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 10SQFT.	2	10	10	Feet

General Comments

Span 1 Slab 9

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	0	35	5	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Damage	OUTBOARD SIDE AT THE FIRST UPRIGHT, RAIL IMPACT DAMAGE HAS BROKEN A SECTION OF THE SLAB AWY, APPROX 3'L X UP TO FULL HEIGHT X UP TO 4"D. PMAINT	3	3	3	Feet
104	Delamination/Spall	LOWER SIDE OF THE SLAB, (2) AREAS OF SPALLING WITH EXPOSED RESTEEL, EAST APPROACH APPROX 7"DIA X UP TO 1"D.	3	2	2	Feet
104	Delamination/Spall	LOWER SIDE OF THE SLAB, DELAM SCATTERED ALONG THE LENGTH.	2	35	35	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	967	902	0	65	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	MAP CRACKING UP TO 3/16"W, SCATTERED; PAST CRACKING HAS BEEN SEALED	3	50	50	Square Feet
510	Delamination/Spall (Wearing Surfaces)	AT THE SPAN ENDS OVER THE BENTS, SCATTERED ACROSS THE DECK WIDTHS, APPROX 14SQFT OF POTHOLING UP TO 1.5"D (SOME HAS COLD PATCH). APPROX MIDSPAN AT THE CENTERLINE, APPROX 1SQFT POTHOLING UP TO 1.5"D.	3	15	15	Square Feet

General Comments

Span 2 — Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	40	0	40	0	0	Feet
515	Steel Protective Coating	40	0	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	2	40		Square Feet
515	Effectiveness (Steel Protective Coatings)	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	4	40	40	Square Feet

General Comments

Span 2 — Right Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	40	0	40	0	0	Feet
515	Steel Protective Coating	40	0	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	2	40		Square Feet
330	Distortion	LAST THIRD OF THE SPAN, BRIDGERAIL HAS BEEN "RUBBED" BUT IS SECURE.	2			Feet
515	Effectiveness (Steel Protective Coatings)	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	4	40	40	Square Feet

General Comments

Span 2 — Expansion Joint

Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	25	25	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

NOT VISIBLE

Span 2 — Slab 1

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	30	10	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 10SQFT.	2	10	10	Feet

General Comments

Span 2 Slab 5

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	30	10	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 10SQFT.	2	10	10	Feet

General Comments

Span 2 Slab 6

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	34	6	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 6SQFT.	2	6	6	Feet

General Comments

Span 2 Slab 7

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	23	15	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Cracking (PSC)	LOWER SIDE OF THE SLAB, FROM BENT 2 OUT APPROX 2'L, LONGITUDINAL CRACKING UP TO 1/8"W WITH APPROX 2SQFT ASSOCIATED DELAM.	3	2	2	Feet
104	Delamination/Spall	LOWER SIDE OF THE SLAB IN THE MIDDLE THIRD OF THE SPAN, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 15SQFT.	2	15	15	Feet

General Comments

Span 2 Slab 8

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	32	8	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 8SQFT.	2	8	8	Feet

General Comments

Span 2 Slab 9

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	22	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE OF THE SLAB, BEGINNING APPROX 6' OUT FROM BENT 1, SCATTERED SPALLING WITH EXPOSED RESTEEL WITH NO MEASURABLE SECTION LOSS FOR APPROX 18'L. AREAS ARE UP TO 9"DIA X UP TO 1"D.	3	18	18	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	967	917	0	50	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	MAP CRACKING UP TO 3/16"W, SCATTERED; PAST CRACKING HAS BEEN SEALED	3	50	50	Square Feet

General Comments

Span 3 Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	40	0	40	0	0	Feet
515	Steel Protective Coating	40	0	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	2	40		Square Feet
515	Effectiveness (Steel Protective Coatings)	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	4	40	40	Square Feet

General Comments

Span 3 Right Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	40	0	40	0	0	Feet
515	Steel Protective Coating	40	0	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	2	40		Square Feet
515	Effectiveness (Steel Protective Coatings)	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	4	40	40	Square Feet

General Comments

Span 3 — Expansion Joint

Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	25	25	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

NOT VISIBLE

Span 3 — Slab 1

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	37	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 3SQFT.	2	3	3	Feet

General Comments

Span 3 — Slab 5

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	29	5	6	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Cracking (PSC)	FROM BENT 3 OUT APPROX 6'L, LONGITUDINAL CRACK UP TO 1/16"W APPROX 3" FROM SLAB 6	3	6	6	Feet
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 5SQFT.	2	5	5	Feet

General Comments

Span 3 — Slab 7

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	36	4	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 4SQFT.	2	4	4	Feet

General Comments

Span 3 Slab 8

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	35	4	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	APPROX 12' OUT FROM BENT 2, SPALLING WITH EXPOSED RESTEEL, APPROX 10"DIA X UP TO 1.5"D	3	1	1	Feet
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 4SQFT.	2	4	4	Feet

General Comments

Span 3 Slab 9

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	30	7	3	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED SPALLING WITH EXPOSED RESTEEL, (3) AREAS UP TO 10"DIA X UP TO 1"D.	3	3	3	Feet
104	Delamination/Spall	LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 7SQFT.	2	7	7	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	973	917	0	56	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	MAP CRACKING UP TO 3/16"W, SCATTERED; PAST CRACKING HAS BEEN SEALED	3	50	50	Square Feet
510	Delamination/Spall (Wearing Surfaces)	AT BENT 3, APPROX 6SQFT OF POTHOLING UP TO 1.5"D (SOME COLD PATCH PLACED)	3	6	6	Square Feet

General Comments

Span 4 Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	41	0	41	0	0	Feet
515	Steel Protective Coating	41	0	0	0	41	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	2	41		Square Feet
515	Effectiveness (Steel Protective Coatings)	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	4	41	41	Square Feet

General Comments

Span 4 — Expansion Joint

Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	25	25	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

NOT VISIBLE

Span 4 — Right Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	41	0	41	0	0	Feet
515	Steel Protective Coating	41	0	0	0	41	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	2	41		Square Feet
515	Effectiveness (Steel Protective Coatings)	ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION.	4	41	41	Square Feet

General Comments

Span 4 — Slab 1

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	0	33	7	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Patched Area	OUTBOARD SIDE AT THE LAST (3) BRIDGERAIL UPRIGHTS, APPROX 7SQFT OF PATCHING HAS FAILED (MAP CRACKED UP TO 1/16"W)	3	7	7	Feet
104	Delamination/Spall	LOWER SIDE ALONG THE LENGTH, AREAS OF DELAM UP TO 6"DIA	2	33	40	Feet

General Comments

Span 4 — Slab 2

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	20	20	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE SCATTERED ALONG THE LENGTH, AREAS OF DELAM UP TO 6"DIA	2	20	20	Feet

General Comments

Span 4 Slab 3

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	20	20	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE SCATTERED ALONG THE LENGTH, AREAS OF DELAM UP TO 6"DIA	2	20	20	Feet

General Comments

Span 4 Slab 6

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	19	20	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE APPROX 10' OUT FROM ABUT 2, SPALLING WITH EXPOSED RESTEEL, APPROX 7"DIA X UP TO 1"D, NO MEASURABLE SECTION LOSS	3	1	1	Feet
104	Delamination/Spall	LOWER SIDE SCATTERED ALONG THE LENGTH, AREAS OF DELAM UP TO 6"DIA	2	20	20	Feet

General Comments

Span 4 Slab 7

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	19	20	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE APPROX 8' OUT FROM BENT 3, SPALLING WITH EXPOSED RESTEEL, APPROX 7"DIA X UP TO 1"D, NO MEASURABLE SECTION LOSS	3	1	1	Feet
104	Delamination/Spall	LOWER SIDE SCATTERED ALONG THE LENGTH, AREAS OF DELAM UP TO 8"DIA	2	20	20	Feet

General Comments

Span 4 Slab 8

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	18	20	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE IN THE FIRST THIRD OF THE SPAN, SPALLING WITH EXPOSED RESTEEL IN (2) AREAS, EAST APPROACH APPROX 7"DIA X UP TO 1"D, NO MEASURABLE SECTION LOSS	3	2	2	Feet
104	Delamination/Spall	LOWER SIDE SCATTERED ALONG THE LENGTH, AREAS OF DELAM UP TO 6"DIA	2	20	20	Feet

General Comments

Span 4 Slab 9

Prestressed Concrete Cored Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	110	110	0	0	0	Square Feet
104	Prestressed Concrete Closed Web/Box Girder	40	20	20	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
104	Delamination/Spall	LOWER SIDE SCATTERED ALONG THE LENGTH, AREAS OF DELAM UP TO 6"DIA	2	20	20	Feet

General Comments

End Bent 1 Abutment

Timber Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
216	Timber Abutment	37	32	0	5	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
216	Decay/Section Loss	RT OUTBOARD END, SOFTNESS AND DECAY WITH AREAS OF SPLITTING IN THE BLKD BOARDS. THE OUTBOARD BLKD UPRIGHT SUPPORT HAS SPLITTING THROUGHOUT WITH A DELAMINATED AREA APPROX 2'H X UP TO 4"W X UP TO 2"D.	3	5	15	Feet

General Comments

End Bent 1 Pile 1

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	1	0	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

NOT VISIBLE DUE TO ENCASEMENT

End Bent 1 — Pile 2

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	1	0	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

NOT VISIBLE DUE TO ENCASEMENT

End Bent 1 — Pile 3

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	1	0	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

NOT VISIBLE DUE TO ENCASEMENT

End Bent 1 — Pile 4

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	1	0	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

NOT VISIBLE DUE TO ENCASEMENT

End Bent 1 — Pile 5

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	153	143	0	0	10	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	TOP 2' OF THE PILE ON THE EAST FLANGE, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). ON THE WEB FOR 8"H FROM THE GROUNDLINE, UP TO 5/16" SECTION LOSS (AVG 3/16" REMAINS). TOP 2' OF THE PILE ON THE WEST FLANGE, UP TO 5/16" SECTION LOSS (AVG 3/16" REMAINS). PMAINT	4	1	2	Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	10	10	Square Feet

General Comments

Bent 1 Reinforced Concrete Footing 1

Reinforced Concrete Footing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
220	Reinforced Concrete Pile Cap/Footing	35	35	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

NOT VISIBLE

Bent 1 Cap 1

Prestressed Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
233	Prestressed Concrete Pier Cap	27	0	0	27	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
233	Cracking (PSC)	BETWEEN PILES 2-3, CAP FACES AND LOWER SIDE OF THE CAP, HORIZONTAL AND MAP CRACKING UP TO 1/4"W. THE AREA HAS SCATTERED DELAM.	3	5	5	Feet
233	Cracking (PSC)	BETWEEN PILES 3-4, CAP FACES AND LOWER SIDE OF THE CAP, HORIZONTAL AND MAP CRACKING UP TO 1/4"W. THE AREA IS DELAMINATED. RUST STAINING IS PRESENT.	3	5	5	Feet
233	Cracking (PSC)	BETWEEN PILES 4/5, CAP FACES AND LOWER SIDE OF THE CAP, HORIZONTAL AND MAP CRACKING UP TO 1/4"W. THE AREA HAS SCATTERED DELAM. RUST STAINING IS PRESENT.	3	5	5	Feet
233	Cracking (PSC)	EF, LOWER 3" OF THE CAP BETWEEN PILES 1-2, HORIZONTAL CRACKING UP TO 1/4"W.	3	12	12	Feet

General Comments

Bent 1 Pile 1

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	217	97	0	0	120	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	WEST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, UP TO 1/4" SECTION LOSS (AVG 1/4"REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 8"H, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). EAST FLANGE, FROM THE ENCASEMENT UP APPROX 12"H, UP TO 3/8" SECTION LOSS (AVG 3/16" REMAINS). PMAINT	4	1	1	Each
225	Corrosion	SCATTERED THROUGHOUT THE PILE, SURFACE CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D.	2			Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	120	120	Square Feet

General Comments

Bent 1 Pile 2

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	217	97	0	0	120	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	WEST FLANGE, FROM THE ENCASEMENT UP APPROX 8"H, 100% SECTION LOSS. WEB, FROM THE ENCASEMENT UP APPROX 4"H, 100% SECTION LOSS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 4"H, UP TO 7/16" SECTION LOSS WITH PERFORATIONS (AVG 1/16" REMAINS). PMAINT	4	1	1	Each
225	Corrosion	EAST FLANGE, APPROX 4' UP FROM THE ENCASEMENT, UP TO 75% LOSS (AVG 1/4" REMAINS). PMAINT	3		2	Each
225	Corrosion	SCATTERED THROUGHOUT THE PILE, SURFACE CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D.	2			Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	120	120	Square Feet

General Comments

Bent 1 Pile 3

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	217	97	0	0	120	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	WEST FLANGE, FROM THE ENCASEMENT UP APPROX 4"H, 100% SECTION LOSS. WEB, FROM THE ENCASEMENT UP APPROX 2"H, 100% SECTION LOSS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 8"H, UP TO 3/8" SECTION LOSS (AVG 1/8" REMAINS). PMAINT	4	1	1	Each
225	Corrosion	EAST FLANGE, APPROX 4' UP FROM THE ENCASEMENT, UP TO 75% LOSS (AVG 1/4" REMAINS). PMAINT	3		2	Each
225	Corrosion	SCATTERED THROUGHOUT THE PILE, SURFACE CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D.	2			Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	120	120	Square Feet

General Comments

Bent 1 Pile 4

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	217	97	0	0	120	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	WEST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, 100% SECTION LOSS. WEB, FROM THE ENCASEMENT UP APPROX 8"H, 90-100% SECTION LOSS (AVG 1/16" REMAINS) WITH PERFORATIONS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 8"H, UP TO 1/4" SECTION	4	1	1	Each

		LOSS (AVG 1/4" REMAINS). PMAINT				
225	Corrosion	WEST FLANGE, LT, EXTENDING DOWN FROM THE CAP APPROX 2'L, 100% SECTION LOSS. THE BALANCE OF THE FLANGE FOR THE TOP 5'L HAS APPROX 75% SECTION LOSS (AVG 1/8" REMAINS). PMAINT	4		5	Each
225	Corrosion	SCATTERED THROUGHOUT THE PILE, SURFACE CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D.	2			Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	120	120	Square Feet

General Comments

Bent 1 — Pile 5

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	1	0	Each
515	Steel Protective Coating	217	97	0	0	120	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	WEST FLANGE, FROM THE ENCASEMENT DOWN APPROX 3"H, LAYERED RUST WITH PITTING UP TO 1/8". EAST FLANGE, FROM THE ENCASEMENT DOWN APPROX 6", APPROX 1/8" SECTION LOSS (AVG 3/8" REMAINS). NOTE: AREA OF LOSS IS BELOW CONCRETE PROHIBITING A CALIPER MEASUREMENT. PMAINT	3	1	1	Each
225	Corrosion	SCATTERED THROUGHOUT THE PILE, SURFACE CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D.	2			Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	120	120	Square Feet

General Comments

End Bent 2 — Abutment

Timber Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
216	Timber Abutment	37	25	0	12	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
216	Decay/Section Loss	LT OUTBOARD END IS DRY AND DECAYED WITH AREAS OF TOTAL LOSS ALLOWING FILL TO SPILL THROUGH. OUTBOARD TIMBER UPRIGHT HAS BEEN LOST. PMAINT	3	7	14	Feet
216	Decay/Section Loss	RT OUTBOARD END, SCATTERED SOFTNESS AND DECAY WITH AREAS OF TOTAL LOSS ALLOWING FILL TO SPILL THROUGH. PMAINT	3	5	10	Feet

General Comments

End Bent 2 — Pile 1

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	1	0	Each
515	Steel Protective Coating	10	0	0	0	10	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	WEB, FROM THE GROUNDLINE UP APPROX 12"H,	3	1	1	Each

		CORROSION WITH SECTION LOSS UP TO 1/4" (AVG 1/4" REMAINS). EAST FLANGE, LT, FROM THE GROUNDLINE UP APPROX 1'L, CORROSION WITH SECTION LOSS UP TO 5/16" (AVG 1/4" REMAINS). PMAINT				
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	10	10	Square Feet

General Comments

End Bent 2 — Pile 2

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	1	0	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

NOT VISISBLE DUE TO ENCASEMENT

End Bent 2 — Pile 3

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	1	0	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

NOT VISISBLE DUE TO ENCASEMENT

End Bent 2 — Pile 4

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	15	5	0	0	10	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	SCATTERED SURFACE CORROSION WITH PITTING UP TO 1/16"D	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	10	10	Square Feet

General Comments

End Bent 2 — Pile 5

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	1	0	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

NOT VISISBLE DUE TO ENCASEMENT

Bent 2 Reinforced Concrete Footing 1

Reinforced Concrete Footing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
220	Reinforced Concrete Pile Cap/Footing	35	0	34	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
220	Cracking (RC and Other)	FROM UNDERWATER: A 1/8" TO 1/4" CRACK BETWEEN P4 AND P5 FROM MUDLINE TO TOP OF FOOTING. REMAINS THE SAME AS PREVIOUS INSPECTION.	3	1	1	Feet
220	Abrasion/Wear (PSC/RC)	FROM UNDERWATER: UP TO A 1/4" LOSS TO SURFACE CONCRETE.	2	34		Feet

General Comments

Bent 2 Cap 1

Prestressed Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
233	Prestressed Concrete Pier Cap	27	15	0	12	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
233	Cracking (PSC)	BETWEEN PILES 4-5, LOWER SIDE OF THE CAP, FULL WIDTH TRANSVERSE CRACKING UP TO 1/16"W THAT EXTENDS UP INTO THE CAP FACES.	3	4	4	Feet
233	Cracking (PSC)	CAP FACES AT PILES 2-4, LOWER SIDE OF THE CAP, LONGITUDINAL CRACKING UP TO 1/4"W EMANATES FROM THE PLATE CORNERS.	3	4	4	Feet
233	Cracking (PSC)	EF AT PILE 2, LONGITUDINAL CRACKING UP TO 1/4"W EMANATES FROM THE PLATE CORNERS	3	2	2	Feet
233	Delamination/Spall	WF AT PILE 5, LOWER SIDE OF THE CAP, SPALL. APPROX 15"L X UP TO 3"H X UP TO 1"D	3	2	2	Feet

General Comments

Bent 2 Pile 1

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	217	97	0	0	120	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	WEST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 5"H, UP TO 1/4" SECTION LOSS (AVG 1/4"REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 4"H, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). EAST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, UP TO 100%" SECTION LOSS (PERFORATIONS) (AVG 3/16" REMAINS). PMAINT	4	1	1	Each
225	Corrosion	SCATTERED THROUGHOUT THE PILE, SURFACE CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D.	2			Each
225	Corrosion	TOP 2' OF THE PILE, CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D. SURFACE CORROSION IS SCATTERED THROUGHOUT THE BALANCE OF THE PILE.	2			Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	120	120	Square Feet

General Comments

Bent 2 Pile 2

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	217	97	0	0	120	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	WEST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, UP TO 100% SECTION LOSS (AVG 1/16 "REMAINS). WEST FLANGE (LT), FROM THE ENCASEMENT UP APPROX 8"H, APPROX 1/4" SECTION LOSS (AVG 1/4" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 10"H, 100% SECTION LOSS. EAST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, 100% SECTION LOSS. EAST FLANGE (LT), FROM THE ENCASEMENT UP APPROX 8"H, APPROX 1/4" SECTION LOSS (AVG 1/4" REMAINS). PMAINT	4	1	1	Each
225	Corrosion	WEST FLANGE, TOP 5' OF THE PILE, APPROX 75% SECTION LOSS (AVG 1/8" REMAINS) WITH PINHOLES. PMAINT	4		5	Each
225	Corrosion	SCATTERED THROUGHOUT THE PILE, SURFACE CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D.	2			Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	120	120	Square Feet

General Comments

Bent 2 Pile 3

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	217	97	120	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	WEST FLANGE, FROM THE ENCASEMENT UP APPROX 3"H, UP TO 3/8" SECTION LOSS (AVG 1/8" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 28"H, 100% SECTION LOSS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 1"H, 100% SECTION LOSS. PMAINT	4	1	1	Each
225	Corrosion	EAST AND WEST FLANGES APPROX 4' UP AT THE CROSS BRACING, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS) FOR APPROX 1'L. EAST AND WEST FLANGES APPROX 8' UP AT THE CROSS BRACING, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS) FOR APPROX 1'L. EAST AND WEST FLANGES, TOP 3'L, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS) FOR APPROX 3'L. PMAINT	3		7	Each
225	Corrosion	SCATTERED THROUGHOUT THE PILE, SURFACE CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D.	2			Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	2	120	120	Square Feet

General Comments

Bent 2 Pile 4

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	217	97	0	0	120	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	WEST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, UP TO 100% SECTION LOSS (HOLES, AVG 3/16" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 8"H, 90-100% SECTION LOSS (AVG 1/16" REMAINS) WITH PERFORATIONS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, 100% SECTION LOSS. PMAINT	4	1	1	Each
225	Corrosion	WEST FLANGE, TOP 5'L, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS) FOR APPROX 5'L. PMAINT	3		5	Each
225	Corrosion	SCATTERED THROUGHOUT THE PILE, SURFACE CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D.	2			Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	120	120	Square Feet

General Comments

Bent 2 Pile 5

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	1	0	Each
515	Steel Protective Coating	217	97	0	0	120	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	WEB, FROM THE ENCASEMENT UP APPROX 18" ON A DIAGONAL, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS) FOR AN AREA APPROX 3"W. WEST FLANGE, FROM THE ENCASEMENT UP APPROX 4", CORROSION WITH PITTING UP TO 1/8". EAST FLANGE, LT, FROM THE ENCASEMENT UP APPROX 1", APPROX 1/4"SECTION LOSS (AVG 1/4" REMAINS) PMAINT.	3	1	1	Each
225	Corrosion	WEST FLANGE, TOP 3'L, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS) FOR APPROX 3'L. PMAINT	3		3	Each
225	Corrosion	SCATTERED THROUGHOUT THE PILE, SURFACE CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D.	2			Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	120	120	Square Feet

General Comments

Bent 3 Reinforced Concrete Footing 1

Reinforced Concrete Footing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
220	Reinforced Concrete Pile Cap/Footing	35	35	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

NOT VISIBLE

Bent 3 Cap 1

Prestressed Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
233	Prestressed Concrete Pier Cap	27	23	0	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
233	Cracking (PSC)	EF AT PILE 2, LONGITUDINAL CRACKING UP TO 1/4"W EMANATES FROM THE PLATE CORNERS	3	2	2	Feet
233	Cracking (PSC)	EF AT PILE 4, LONGITUDINAL CRACKING UP TO 1/8"W EMANATES FROM THE PLATE CORNERS	3	2	2	Feet

General Comments

Bent 3 Pile 1

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	1	0	Each
515	Steel Protective Coating	217	162	0	0	55	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	WEST FLANGE, UP TO 3/16" SECTION LOSS (AVG 1/4" REMAINS) FOR UP TO 1'H. PMAINT	3	1	1	Each
225	Corrosion	SCATTERED THROUGHOUT THE PILE, SURFACE CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D.	2			Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	55	55	Square Feet

General Comments

Bent 3 Pile 2

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	1	0	Each
515	Steel Protective Coating	217	162	0	0	55	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	FLANGES, APPROX 1/8" SECTION LOSS THROUGHOUT FOR UP TO 2'H (AVG 3/8" REMAINS). PMAINT	3	1	1	Each
225	Corrosion	SCATTERED THROUGHOUT THE PILE, SURFACE CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D.	2			Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	55	55	Square Feet

General Comments

Bent 3 Pile 3

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	1	0	Each
515	Steel Protective Coating	217	162	0	0	55	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	FLANGES, APPROX 1/8" SECTION LOSS THROUGHOUT FOR UP TO 2'H (AVG 3/8" REMAINS). PMAINT	3	1	1	Each
225	Corrosion	SCATTERED THROUGHOUT THE PILE, SURFACE CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D.	2			Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	55	55	Square Feet

General Comments

Bent 3 Pile 4

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	1	0	Each
515	Steel Protective Coating	217	162	0	0	55	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	FLANGES, APPROX 3/16" SECTION LOSS THROUGHOUT FOR UP TO 2'H (AVG 5/16" REMAINS). THE WEB HAS APPROX 3/16" LOSS (AVG 5/16" REMAINS) FOR 4"H. PMAINT	3	1	1	Each
225	Corrosion	SCATTERED THROUGHOUT THE PILE, SURFACE CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D.	2			Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	55	55	Square Feet

General Comments

Bent 3 Pile 5

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	1	0	Each
515	Steel Protective Coating	217	162	0	0	55	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	WEST FLANGE, LT, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS) FOR UP TO 2"H. WEB, APPROX 90% SECTION LOSS WITH HOLES (AVG 1/16" REMAINS) FOR APPROX 3"H. EAST FLANGE, LT, UP TO 3/8" SECTION LOSS (AVG 3/16" REMAINS) FOR APPROX 2"H. PMAINT	3	1	1	Each
225	Corrosion	SCATTERED THROUGHOUT THE PILE, SURFACE CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D.	2			Each
515	Effectiveness (Steel Protective Coatings)	PC FAILURE	4	55	55	Square Feet

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Slab 1	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 1	Slab 1	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 1	Slab 2	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 1	Slab 2	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 1	Slab 3	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 1	Slab 3	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 1	Slab 4	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 1	Slab 4	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 1	Slab 5	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 1	Slab 5	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 1	Slab 6	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 1	Slab 6	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 1	Slab 7	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 1	Slab 7	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 1	Slab 8	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 1	Slab 8	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 1	Slab 9	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 1	Slab 9	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 1	Left Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 1	Right Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	973
Span 1	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 1	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 1	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 1	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 1	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 1	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 1	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 1	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 1	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 1	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 1	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 1	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 1	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 1	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 1	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 1	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Slab 1	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 2	Slab 1	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 2	Slab 2	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 2	Slab 2	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 2	Slab 3	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 2	Slab 3	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 2	Slab 4	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 2	Slab 4	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 2	Slab 5	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 2	Slab 5	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 2	Slab 6	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 2	Slab 6	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 2	Slab 7	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 2	Slab 7	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 2	Slab 8	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 2	Slab 8	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 2	Slab 9	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 2	Slab 9	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 2	Left Bridge Rail	Steel Rail	Metal Bridge Railing	40
Span 2	Right Bridge Rail	Steel Rail	Metal Bridge Railing	40
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	967
Span 2	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 2	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Slab 1	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 3	Slab 1	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 3	Slab 2	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 3	Slab 2	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 3	Slab 3	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 3	Slab 3	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 3	Slab 4	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 3	Slab 4	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 3	Slab 5	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 3	Slab 5	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 3	Slab 6	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 3	Slab 6	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Slab 7	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 3	Slab 7	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 3	Slab 8	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 3	Slab 8	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 3	Slab 9	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 3	Slab 9	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 3	Left Bridge Rail	Steel Rail	Metal Bridge Railing	40
Span 3	Right Bridge Rail	Steel Rail	Metal Bridge Railing	40
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	967
Span 3	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 3	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Slab 1	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 4	Slab 1	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 4	Slab 2	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 4	Slab 2	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 4	Slab 3	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 4	Slab 3	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 4	Slab 4	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 4	Slab 4	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 4	Slab 5	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 4	Slab 5	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 4	Slab 6	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 4	Slab 6	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 4	Slab 7	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 4	Slab 7	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 4	Slab 8	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 4	Slab 8	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40
Span 4	Slab 9	Prestressed Concrete Cored Slab	Prestressed Concrete Top Flange	110
Span 4	Slab 9	Prestressed Concrete Cored Slab	Prestressed Concrete Closed Web/Box Girder	40

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 4	Left Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 4	Right Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	973
Span 4	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Near Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Span 4	Far Bearing	Elastomeric Bearing Pad	Elastomeric Bearing	1
Bent 1	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	27
Bent 1	Pile 1	Steel Pile	Steel Pile	1
Bent 1	Pile 2	Steel Pile	Steel Pile	1
Bent 1	Pile 3	Steel Pile	Steel Pile	1
Bent 1	Pile 4	Steel Pile	Steel Pile	1
Bent 1	Pile 5	Steel Pile	Steel Pile	1
End Bent 1	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	27
End Bent 1	Pile 5	Steel Pile	Steel Pile	1
End Bent 1	Abutment	Timber Abutment	Timber Abutment	37
Bent 2	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	27
Bent 2	Pile 1	Steel Pile	Steel Pile	1
Bent 2	Pile 2	Steel Pile	Steel Pile	1
Bent 2	Pile 3	Steel Pile	Steel Pile	1
Bent 2	Pile 4	Steel Pile	Steel Pile	1
Bent 2	Pile 5	Steel Pile	Steel Pile	1
Bent 2		Reinforced Concrete Footing	Reinforced Concrete Pile Cap/Footing	35
End Bent 2	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	27
End Bent 2	Pile 1	Steel Pile	Steel Pile	1
End Bent 2	Pile 4	Steel Pile	Steel Pile	1
End Bent 2	Abutment	Timber Abutment	Timber Abutment	37
Bent 3	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	27
Bent 3	Pile 1	Steel Pile	Steel Pile	1
Bent 3	Pile 2	Steel Pile	Steel Pile	1
Bent 3	Pile 3	Steel Pile	Steel Pile	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Bent 3	Pile 4	Steel Pile	Steel Pile	1
Bent 3	Pile 5	Steel Pile	Steel Pile	1

General Inspection Notes

Bent 1

NOT VISIBLE

Bent 1 Pile 1

NOT VISIBLE DUE TO ENCASEMENT

Bent 1 Pile 2

NOT VISIBLE DUE TO ENCASEMENT

Bent 1 Pile 3

NOT VISIBLE DUE TO ENCASEMENT

Bent 1 Pile 4

NOT VISIBLE DUE TO ENCASEMENT

Bent 2 Pile 2

NOT VISISBLE DUE TO ENCASEMENT

Bent 2 Pile 3

NOT VISISBLE DUE TO ENCASEMENT

Bent 2 Pile 5

NOT VISISBLE DUE TO ENCASEMENT

Bent 3

NOT VISIBLE

Span 2 Expansion Joint

NOT VISIBLE

Span 3 Expansion Joint

NOT VISIBLE

Span 4 Expansion Joint

NOT VISIBLE

National Bridge and NC Inspection Items

Structure Number: 580108 **Inspection Date:** 01/24/2018

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**6**
Item 59: Superstructure	0 - 9 , N	**6**
Item 60: Substructure	0 - 9 , N	**4**
Item 61: Channel and Channel Protection	0 - 9 , N	**7**
Item 62: Culvert	0 - 9 , N	**N**
Item 71: Waterway Adequacy	0 - 9 , N	**7**
Item 72: Approach Roadway Alignment	0 - 9 , N	**8**

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	**F**	**4000**	**3376**
Drainage System	G, F, P, or C	**G**	**0**	**3332**
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C		**0**	**3352**
Scour	G, F, P, or C	**G**		
Wingwall	G, F, P, or C		**0**	**3350**
Field Scour Evaluation		**L**		
Drift	G, F, P, or C	**F**	**16**	**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**		
Estimated Remaining Life	0 - 100 Years	**2**		
Superstructure Paint Code				

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	**Y**
Priority Maintenance Request Submitted	YES/NO	**Y**
Inspection Time	Hours	**66**
Traffic Control Time	Hours	**2**
Snooper Time	Hours	**2**
Ladder Used	YES/NO	**N**
Bucket Truck Used	YES/NO	**N**
Boat Used	YES/NO	**N**
Other Equipment Used	YES/NO	**Y**

National Bridge and NC SMU Inspection Item Details

Structure Number: 580108 **Inspection Date:** 01/24/2018

Item	Substructure - Item 60	**Grade**	4	**Maint Code**		**Qty.**	0
Details	EXCESSIVE SECTION LOSS IN THE SUBSTRUCTURE PILES, PARTICULARLY AT BENTS 1 & 2 WHERE 3 OF THE 5 PILES AT EACH HAD 100% SECTION LOSS IN THE WEB AT THE ENCASEMENT, AND UP TO 100% SECTION LOSS IN AT LEAST ONE FLANGE AS WELL.						
Item	Sign Notice Issued	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	DELINEATOR (WARNING SIGN)						
Item	Other Equipment Used	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	HAMMER						
Item	Deck Debris	**Grade**	F	**Maint Code**	3376	**Qty.**	4000
Details	RT & LT GUTTERLINES, DEBRIS ACCUMULATION UP TO 3"D						
Item	Drift	**Grade**	F	**Maint Code**	3366	**Qty.**	16
Details	BENT 1, A TREE TRUNK IS LODGED BETWEEN THE PILES, UP TO 10"DIA X APPROX 25'L.						
Item	Estimated Remaining Life	**Grade**	2	**Maint Code**		**Qty.**	0
Details	STRUCTURE WAS CLOSED BY DIV 13 BRIDGE MAINTENANCE						
Item	General Comments and Misc Items	**Grade**		**Maint Code**		**Qty.**	0

Details RT & LT CURBING, SURFACE CORROSION ALONG THE LENGTHS

EAST APPROACH AWS IS MAP CRACKED THROUGHOUT WITH SCATTERED POTHOLING UP TO 3"D.

BENT 1, PILE 3 CONCRETE ENCASEMENT IS ROTTEN IN THE TOP 8".

BENT 1, PILE 5 CONCRETE ENCASEMENT IS ROTTEN IN THE TOP 18".

BENT 1 CROSS BRACING HAS LAYERED RUST WITH PITTING UP TO 1/16" THROUGHOUT. AT PILE 5, THE BRACING IS LOOSE FROM THE PILE. PMAINT.

BENT 3 LATERAL BRACING HAS FAILED (CORROSION WITH TOTAL LOSS THROUGHOUT). PMAINT

BENT 3 ENCASEMENTS: CRACKING UP TO 1/4"W EMANATES FROM THE FLANGE EARS AND EXTENDS DOWNWARD UP TO 3'L, TYP



Span 1 Right Bridge Rail: APPROX 8'L SECTION OF BRIDGERAIL AND END HAS BEEN BROKEN AWAY FROM (2) UPRIGHTS. PMAINT



Bridge Rails: ALONG THE RAIL, SCATTERED FRECKLED CORROSION. ON THE UPRIGHTS, SCATTERED SURFACE CORROSION, TYP



RT & LT CURBING, SURFACE CORROSION ALONG THE LENGTHS



RT & LT GUTTERLINES, DEBRIS ACCUMULATION UP TO 3"D



Span 1 Left Bridge Rail: FROM ABUT 1 EXTENDING APPROX 10'L, BRIDGE RAIL IS LOOSE AT TWO UPRIGHTS AND CAN BE DEFLECTED BY HAND UP TO 6". PMAINT



Span 1 Slab 1: OUTBOARD SIDE AT THE FIRST BRIDGERAIL UPRIGHT, APPROX 3SQFT X UP TO 4"D PATCH HAS FAILED.



Span 1 Slab 1: APPROX 12' OUT FROM ABUT 1, LOWER OUBOARD CORNER, SPALLING WITH EXPOSED RESTEEL, APPROX 2'L X UP TO 4"W X UP TO 3"D WITH NO MEASURABLE SECTION LOSS



Span 2 Wearing Surface: AT THE SPAN ENDS OVER THE BENTS, SCATTERED ACROSS THE DECK WIDTHS, APPROX 14SQFT OF POTHOLING UP TO 1.5"D (SOME HAS COLD PATCH). APPROX MIDSPAN AT THE CENTERLINE, APPROX 1SQFT POTHOLING UP TO 1.5"D.



Span 2 Wearing Surface: AT THE SPAN ENDS OVER THE BENTS, SCATTERED ACROSS THE DECK WIDTHS, APPROX 14SQFT OF POTHOLING UP TO 1.5"D (SOME HAS COLD PATCH). APPROX MIDSPAN AT THE CENTERLINE, APPROX 1SQFT POTHOLING UP TO 1.5"D.



Span 2 Wearing Surface: AT THE SPAN ENDS OVER THE BENTS, SCATTERED ACROSS THE DECK WIDTHS, APPROX 14SQFT OF POTHOLING UP TO 1.5"D (SOME HAS COLD PATCH). APPROX MIDSPAN AT THE CENTERLINE, APPROX 1SQFT POTHOLING UP TO 1.5"D.



Span 2 Wearing Surface: AT THE SPAN ENDS OVER THE BENTS, SCATTERED ACROSS THE DECK WIDTHS, APPROX 14SQFT OF POTHOLING UP TO 1.5"D (SOME HAS COLD PATCH). APPROX MIDSPAN AT THE CENTERLINE, APPROX 1SQFT POTHOLING UP TO 1.5"D.



Span 2 Wearing Surface: AT THE SPAN ENDS OVER THE BENTS, SCATTERED ACROSS THE DECK WIDTHS, APPROX 14SQFT OF POTHOLING UP TO 1.5"D (SOME HAS COLD PATCH). APPROX MIDSPAN AT THE CENTERLINE, APPROX 1SQFT POTHOLING UP TO 1.5"D.



Span 2 Wearing Surface: AT THE SPAN ENDS OVER THE BENTS, SCATTERED ACROSS THE DECK WIDTHS, APPROX 14SQFT OF POTHOLING UP TO 1.5"D (SOME HAS COLD PATCH). APPROX MIDSPAN AT THE CENTERLINE, APPROX 1SQFT POTHOLING UP TO 1.5"D.



Span 2 Wearing Surface: MAP CRACKING UP TO 3/16"W, SCATTERED



Span 2 Right Bridge Rail: LAST THIRD OF THE SPAN, BRIDGERAIL HAS BEEN "RUBBED" BUT IS SECURE.



Span 4 Wearing Surface: AT BENT 3, APPROX 6SQFT OF POTHOLING UP TO 1.5"D (SOME COLD PATCH PLACED)



Span 4 Wearing Surface: AT BENT 3, APPROX 6SQFT OF POTHOLING UP TO 1.5"D (SOME COLD PATCH PLACED)



EAST APPROACH AWS IS MAP CRACKED THROUGHOUT WITH SCATTERED POTHOLING UP TO 3"D.



NE CORNER, DELINEATOR MISSING. PMAINT



Span 4 Slab 1: LOWER SIDE ALONG THE LENGTH, AREAS OF DELAM UP TO 6"DIA



Span 4 Slab 2: LOWER SIDE SCATTERED ALONG THE LENGTH, AREAS OF DELAM UP TO 6"DIA



Span 4 Slab 3: LOWER SIDE SCATTERED ALONG THE LENGTH, AREAS OF DELAM UP TO 6"DIA



Span 4 Slab 6: LOWER SIDE SCATTERED ALONG THE LENGTH, AREAS OF DELAM UP TO 6"DIA



Span 4 Slab 6: LOWER SIDE APPROX 10' OUT FROM ABUT 2, SPALLING WITH EXPOSED RESTEEL, APPROX 7"DIA X UP TO 1"D, NO MEASURABLE SECTION LOSS



Span 4 Slab 7: LOWER SIDE SCATTERED ALONG THE LENGTH, AREAS OF DELAM UP TO 8"DIA



Span 4 Slab 8: LOWER SIDE SCATTERED ALONG THE LENGTH, AREAS OF DELAM UP TO 6"DIA



Span 4 Slab 7: LOWER SIDE APPROX 8' OUT FROM BENT 3, SPALLING WITH EXPOSED RESTEEL, APPROX 7"DIA X UP TO 1"D, NO MEASURABLE SECTION LOSS



Span 4 Slab 8: LOWER SIDE IN THE FIRST THIRD OF THE SPAN, SPALLING WITH EXPOSED RESTEEL IN (2) AREAS, EAST APPROACH APPROX 7"DIA X UP TO 1"D, NO MEASURABLE SECTION LOSS



Span 4 Slab 9: LOWER SIDE SCATTERED ALONG THE LENGTH, AREAS OF DELAM UP TO 6"DIA



Bent 2 Pile 1: SURFACE CORROSION



ABUT 2, PILE 2 ENCASED (TEMP REPAIR)



ABUT 2, PILE 3 ENCASED (TEMP REPAIR)



Bent 2 Pile 4: SCATTERED SURFACE AND FRECKLED CORROSION



ABUT 2, PILE 5 ENCASED (TEMP REPAIR)



Span 4 Slab 1: OUTBOARD SIDE AT THE LAST (3) BRIDGERAIL UPRIGHTS, APPROX 7SQFT OF PATCHING HAS FAILED (MAP CRACKED UP TO 1/16"W)



Span 4 Slab 1: OUTBOARD SIDE AT THE LAST (3) BRIDGERAIL UPRIGHTS, APPROX 7SQFT OF PATCHING HAS FAILED (MAP CRACKED UP TO 1/16"W)



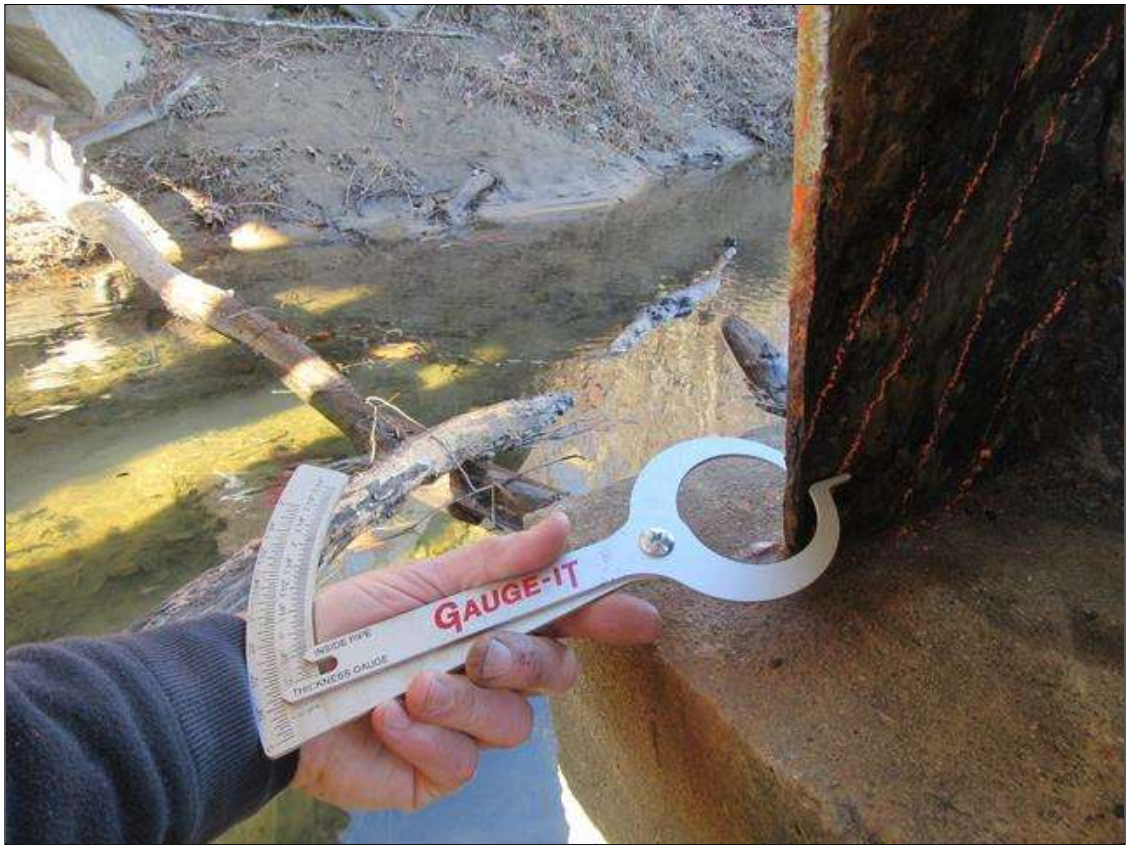
Span 4 Slab 1: OUTBOARD SIDE AT THE LAST (3) BRIDGERAIL UPRIGHTS, APPROX 7SQFT OF PATCHING HAS FAILED (MAP CRACKED UP TO 1/16"W)



End Bent 2 Abutment/Backwall : LT OUTBOARD END IS DRY AND DECAYED WITH AREAS OF TOTAL LOSS ALLOWING FILL TO SPILL THROUGH. PMAINT



Bent 1 Pile 1: WEST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, UP TO 1/4" SECTION LOSS (AVG 1/4"REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 8"H, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). EAST FLANGE, FROM THE ENCASEMENT UP APPROX 12"H, UP TO 3/8" SECTION LOSS (AVG 3/16" REMAINS). EF VIEW, PMAINT



Bent 1 Pile 1: WEST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, UP TO 1/4" SECTION LOSS (AVG 1/4"REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 8"H, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). EAST FLANGE, FROM THE ENCASEMENT UP APPROX 12"H, UP TO 3/8" SECTION LOSS (AVG 3/16" REMAINS). WF VIEW, PMAINT



Bent 1 Pile 1: WEST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, UP TO 1/4" SECTION LOSS (AVG 1/4"REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 8"H, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). EAST FLANGE, FROM THE ENCASEMENT UP APPROX 12"H, UP TO 3/8" SECTION LOSS (AVG 3/16" REMAINS). WEB VIEW, PMAINT



Bent 1 Pile 2: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 8"H, 100% SECTION LOSS. WEB, FROM THE ENCASEMENT UP APPROX 4"H, 100% SECTION LOSS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 4"H, UP TO 7/16" SECTION LOSS WITH PERFORATIONS (AVG 1/16" REMAINS). EF VIEW, PMAINT



Bent 1 Pile 2: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 8"H, 100% SECTION LOSS. WEB, FROM THE ENCASEMENT UP APPROX 4"H, 100% SECTION LOSS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 4"H, UP TO 7/16" SECTION LOSS WITH PERFORATIONS (AVG 1/16" REMAINS). WF VIEW, PMAINT



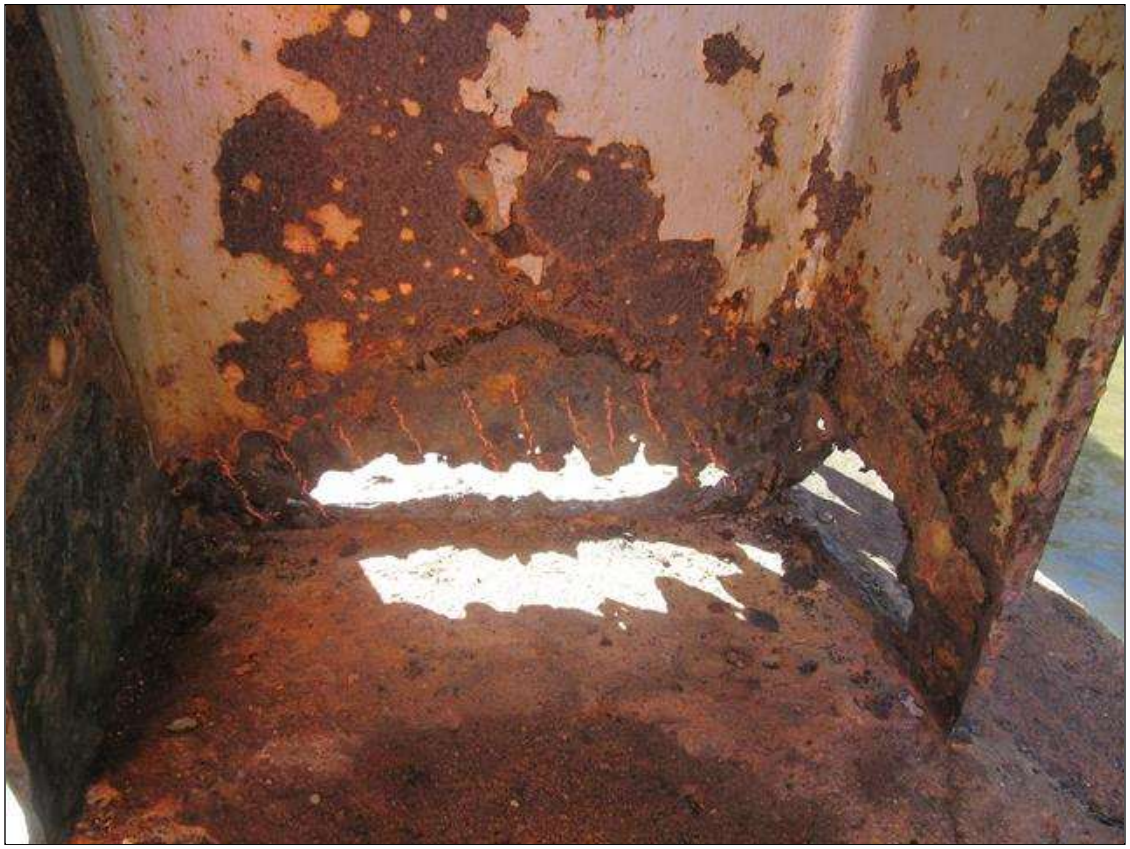
Bent 1 Pile 2: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 8"H, 100% SECTION LOSS. WEB, FROM THE ENCASEMENT UP APPROX 4"H, 100% SECTION LOSS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 4"H, UP TO 7/16" SECTION LOSS WITH PERFORATIONS (AVG 1/16" REMAINS). WEB VIEW, PMAINT



Bent 1 Pile 3: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 4"H, 100% SECTION LOSS. WEB, FROM THE ENCASEMENT UP APPROX 2"H, 100% SECTION LOSS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 8"H, UP TO 3/8" SECTION LOSS (AVG 1/8" REMAINS). EF VIEW, PMAINT



Bent 1 Pile 3: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 4"H, 100% SECTION LOSS. WEB, FROM THE ENCASEMENT UP APPROX 2"H, 100% SECTION LOSS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 8"H, UP TO 3/8" SECTION LOSS (AVG 1/8" REMAINS). WF VIEW, PMAINT



Bent 1 Pile 3: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 4"H, 100% SECTION LOSS. WEB, FROM THE ENCASEMENT UP APPROX 2"H, 100% SECTION LOSS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 8"H, UP TO 3/8" SECTION LOSS (AVG 1/8" REMAINS). WEB VIEW, PMAINT



Bent 1 Pile 4: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, 100% SECTION LOSS. WEB, FROM THE ENCASEMENT UP APPROX 8"H, 90-100% SECTION LOSS (AVG 1/16" REMAINS) WITH PERFORATIONS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 8"H, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). EF VIEW, PMAINT



Bent 1 Pile 4: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, 100% SECTION LOSS. WEB, FROM THE ENCASEMENT UP APPROX 8"H, 90-100% SECTION LOSS (AVG 1/16" REMAINS) WITH PERFORATIONS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 8"H, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). WF VIEW, PMAINT



Bent 1 Pile 4: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, 100% SECTION LOSS. WEB, FROM THE ENCASEMENT UP APPROX 8"H, 90-100% SECTION LOSS (AVG 1/16" REMAINS) WITH PERFORATIONS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 8"H, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). WEB VIEW, PMAINT



Bent 1 Pile 5: WEST FLANGE, FROM THE ENCASEMENT DOWN APPROX 3"H, LAYERED RUST WITH PITTING UP TO 1/8". EAST FLANGE, FROM THE ENCASEMENT DOWN APPROX 6", APPROX 1/8" SECTION LOSS (AVG 3/8" REMAINS). NOTE: AREA OF LOSS IS BELOW CONCRETE PROHIBITING A CALIPER MEASUREMENT. EF, VIEWPMAINT



Bent 1 Pile 5: WEST FLANGE, FROM THE ENCASEMENT DOWN APPROX 3"H, LAYERED RUST WITH PITTING UP TO 1/8". EAST FLANGE, FROM THE ENCASEMENT DOWN APPROX 6", APPROX 1/8" SECTION LOSS (AVG 3/8" REMAINS). NOTE: AREA OF LOSS IS BELOW CONCRETE PROHIBITING A CALIPER MEASUREMENT. WF VIEW, PMAINT



BENT 1, A TREE TRUNK IS LODGED BETWEEN THE PILES, UP TO 10"DIA X APPROX 25'L.



BENT 1, PILE 3 CONCRETE ENCASEMENT IS ROTTEN IN THE TOP 8".



BENT 1, PILE 5 CONCRETE ENCASEMENT IS ROTTEN IN THE TOP 18".



BENT 1 CROSS BRACING HAS LAYERED RUST WITH PITTING UP TO 1/16" THROUGHOUT. AT PILE 5, THE BRACING IS LOOSE FROM THE PILE. PMAINT.



Bent 1 Cap 1: BETWEEN PILES 2-3, CAP FACES AND LOWER SIDE OF THE CAP, HORIZONTAL AND MAP CRACKING UP TO 1/4"W. THE AREA HAS SCATTERED DELAM.



Bent 1 Cap 1: BETWEEN PILES 2-3, CAP FACES AND LOWER SIDE OF THE CAP, HORIZONTAL AND MAP CRACKING UP TO 1/4"W. THE AREA HAS SCATTERED DELAM.



Bent 1 Cap 1: BETWEEN PILES 3-4, CAP FACES AND LOWER SIDE OF THE CAP, HORIZONTAL AND MAP CRACKING UP TO 1/4"W. THE AREA IS DELAMINATED. RUST STAINING IS PRESENT.



Bent 1 Cap 1: BETWEEN PILES 3-4, CAP FACES AND LOWER SIDE OF THE CAP, HORIZONTAL AND MAP CRACKING UP TO 1/4"W. THE AREA IS DELAMINATED. RUST STAINING IS PRESENT.



Bent 1 Cap 1: BETWEEN PILES 4/5, CAP FACES AND LOWER SIDE OF THE CAP, HORIZONTAL AND MAP CRACKING UP TO 1/4"W. THE AREA HAS SCATTERED DELAM. RUST STAINING IS PRESENT.



Bent 1 Cap 1: BETWEEN PILES 4/5, CAP FACES AND LOWER SIDE OF THE CAP, HORIZONTAL AND MAP CRACKING UP TO 1/4"W. THE AREA HAS SCATTERED DELAM. RUST STAINING IS PRESENT.



Span 1 Slab 1: LOWER SIDE OF THE SLAB, SCATTERED SPALLING WITH EXPOSED RESTEEL (NO MEASURABLE SECTION LOSS) UP TO 10"L X UP TO 1"D TOTALING APPROX 7SQFT.; SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 7SQFT.



Span 1 Slab 1: LOWER SIDE OF THE SLAB, SCATTERED SPALLING WITH EXPOSED RESTEEL (NO MEASURABLE SECTION LOSS) UP TO 10"L X UP TO 1"D TOTALING APPROX 7SQFT.; SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 7SQFT.



Span 1 Slab 2: LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 8SQFT.



Span 1 Slab 4: LOWER SIDE OF THE SLAB AT APPROX MID SPAN, APPROX 8"DIA DELAM



Span 1 Slab 5: LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 6SQFT.



Span 1 Slab 6: LOWER SIDE OF THE SLAB, SCATTERED SPALLING WITH EXPOSED RESTEEL (NO MEASURABLE SECTION LOSS) UP TO 8"DIA X UP TO 0.75"D TOTALING APPROX 7SQFT.; SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 7SQFT.



Span 1 Slab 6: LOWER SIDE OF THE SLAB, SCATTERED SPALLING WITH EXPOSED RESTEEL (NO MEASURABLE SECTION LOSS) UP TO 8"DIA X UP TO 0.75"D TOTALING APPROX 7SQFT.; SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 7SQFT.



Span 1 Slab 7: LOWER SIDE OF THE SLAB, SCATTERED DELAM TOTALING APPROX 15SFQT.



Span 1 Slab 7: LOWER SIDE OF THE SLAB, SPALLING WITH EXPOSED RESTEEL, APPROX 3"DIA X UP TO 0.5"D



Span 1 Slab 7: LAST THIRD OF THE SPAN, LONGITUDINAL CRACKING UP TO 1/16"W STARTS AT THE SLAB EDGE AND WANDERS UP TO 3" AWAY FROM THE EDGE DOWN ITS LENGTH.



Span 1 Slab 8: LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 10SQFT.



Span 1 Slab 9: OUTBOARD SIDE AT THE FIRST UPRIGHT, RAIL IMPACT DAMAGE HAS BROKEN A SECTION OF THE SLAB AWY, APPROX 3'L X UP TO FULL HEIGHT X UP TO 4"D. PMAINT



Span 1 Slab 9: LOWER SIDE OF THE SLAB, (2) AREAS OF SPALLING WITH EXPOSED RESTEEL, EAST APPROACH APPROX 7"DIA X UP TO 1"D.



Span 1 Slab 9: LOWER SIDE OF THE SLAB, DELAM SCATTERED ALONG THE LENGTH.



ABUT 1, PILE 1 ENCASED (TEMP REPAIR)



ABUT 1, PILE 2 ENCASED (TEMP REPAIR)



ABUT 1, PILE 3 ENCASED (TEMP REPAIR)



ABUT 1, PILE 4 ENCASED (TEMP REPAIR)



Bent 1 Pile 5: TOP 2' OF THE PILE ON THE EAST FLANGE, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). ON THE WEB FOR 8"H FROM THE GROUNDLINE, UP TO 5/16" SECTION LOSS (AVG 3/16" REMAINS). TOP 2' OF THE PILE ON THE WEST FLANGE, UP TO 5/16" SECTION LOSS (AVG 3/16" REMAINS). WF VIEW, PMAINT



Bent 1 Pile 5: TOP 2' OF THE PILE ON THE EAST FLANGE, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). ON THE WEB FOR 8"H FROM THE GROUNDLINE, UP TO 5/16" SECTION LOSS (AVG 3/16" REMAINS). TOP 2' OF THE PILE ON THE WEST FLANGE, UP TO 5/16" SECTION LOSS (AVG 3/16" REMAINS). EF VIEW, PMAINT



Bent 1 Pile 5: TOP 2' OF THE PILE ON THE EAST FLANGE, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). ON THE WEB FOR 8"H FROM THE GROUNDLINE, UP TO 5/16" SECTION LOSS (AVG 3/16" REMAINS). TOP 2' OF THE PILE ON THE WEST FLANGE, UP TO 5/16" SECTION LOSS (AVG 3/16" REMAINS). WEB VIEW, PMAINT



End Bent 1 Abutment/Backwall : RT OUTBOARD END, SOFTNESS AND DECAY WITH AREAS OF SPLITTING IN THE BLKD BOARDS. THE OUTBOARD BLKD UPRIGHT SUPPORT HAS SPLITTING THROUGHOUT WITH A DELAMINATED AREA APPROX 2'H X UP TO 4"W X UP TO 2"D.



End Bent 1 Abutment/Backwall : RT OUTBOARD END, SOFTNESS AND DECAY WITH AREAS OF SPLITTING IN THE BLKD BOARDS. THE OUTBOARD BLKD UPRIGHT SUPPORT HAS SPLITTING THROUGHOUT WITH A DELAMINATED AREA APPROX 2'H X UP TO 4"W X UP TO 2"D.



Span 1 Right Bridge Rail: SW CORNER, THE FIRST UPRIGHT RAIL SUPPORT HAS BEEN DAMAGED RESULTING IN A CRACK IN THE FLANGE AT THE CONNECTION BOLT. PMAINT



Bent 2 Pile 1: WEB, FROM THE GROUNDLINE UP APPROX 12"H, CORROSION WITH SECTION LOSS UP TO 1/4" (AVG 1/4" REMAINS). EAST FLANGE, LT, FROM THE GROUNDLINE UP APPROX 1'L, CORROSION WITH SECTION LOSS UP TO 5/16" (AVG 1/4" REMAINS). PMAINT



Bent 2 Pile 1: WEB, FROM THE GROUNDLINE UP APPROX 12"H, CORROSION WITH SECTION LOSS UP TO 1/4" (AVG 1/4" REMAINS). EAST FLANGE, LT, FROM THE GROUNDLINE UP APPROX 1'L, CORROSION WITH SECTION LOSS UP TO 5/16" (AVG 1/4" REMAINS). PMAINT



Bent 2 Pile 1: WEST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 5"H, UP TO 1/4" SECTION LOSS (AVG 1/4"REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 4"H, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). EAST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, UP TO 100%" SECTION LOSS (PERFORATIONS) (AVG 3/16" REMAINS). EF, RT VIEWPMAINT



Bent 2 Pile 1: WEST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 5"H, UP TO 1/4" SECTION LOSS (AVG 1/4"REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 4"H, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). EAST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, UP TO 100%" SECTION LOSS (PERFORATIONS) (AVG 3/16" REMAINS). WF, RT VIEWPMAINT



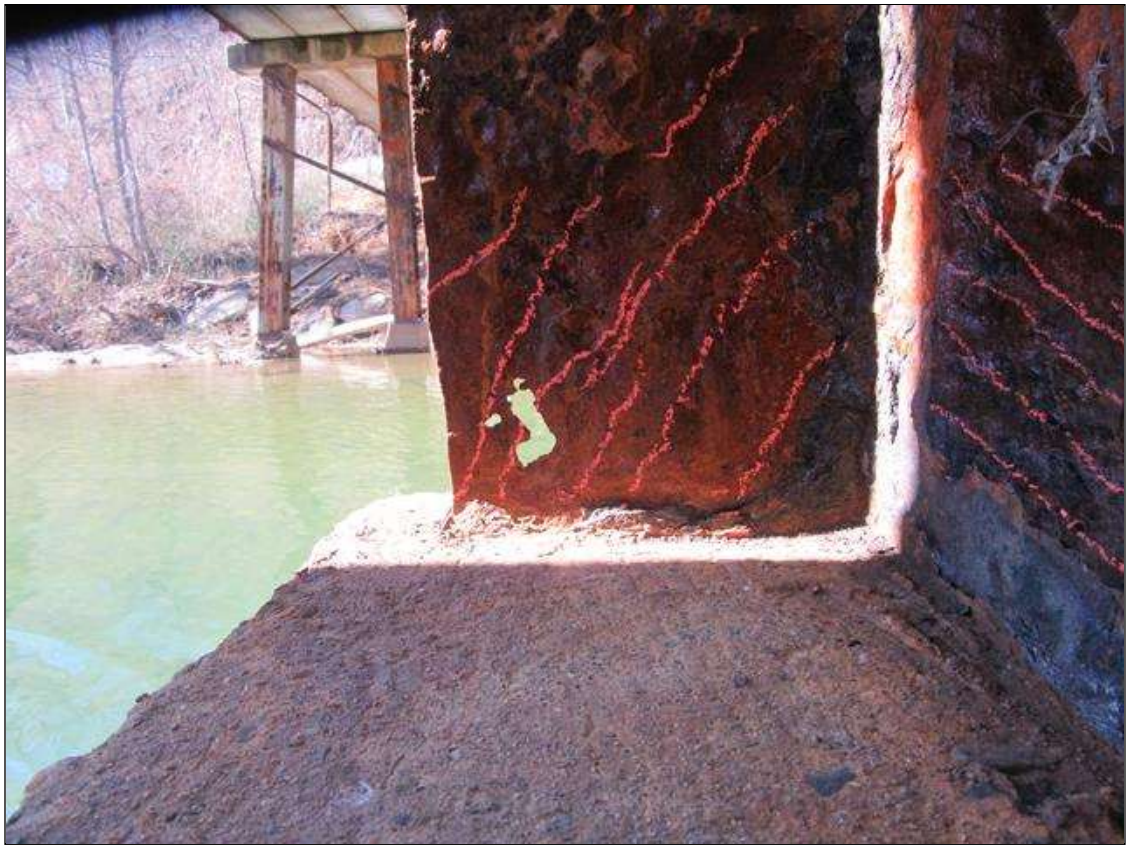
Bent 2 Pile 1: WEST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 5"H, UP TO 1/4" SECTION LOSS (AVG 1/4"REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 4"H, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). EAST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, UP TO 100%" SECTION LOSS (PERFORATIONS) (AVG 3/16" REMAINS). WEB VIEWPMAINT



Bent 2 Pile 1: WEST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 5"H, UP TO 1/4" SECTION LOSS (AVG 1/4"REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 4"H, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS). EAST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, UP TO 100%" SECTION LOSS (PERFORATIONS) (AVG 3/16" REMAINS). EF, LT VIEWPMAINT



Bent 2 Pile 2: WEST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, UP TO 100% SECTION LOSS (AVG 1/16 "REMAINS). WEST FLANGE (LT), FROM THE ENCASEMENT UP APPROX 8"H, APPROX 1/4" SECTION LOSS (AVG 1/4" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 10"H, 100% SECTION LOSS. EAST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, 100% SECTION LOSS. EAST FLANGE (LT), FROM THE ENCASEMENT UP APPROX 8"H, APPROX 1/4" SECTION LOSS (AVG 1/4" REMAINS). WF, LT VIEW PMAINT



Bent 2 Pile 2: WEST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, UP TO 100% SECTION LOSS (AVG 1/16 "REMAINS). WEST FLANGE (LT), FROM THE ENCASEMENT UP APPROX 8"H, APPROX 1/4" SECTION LOSS (AVG 1/4" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 10"H, 100% SECTION LOSS. EAST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, 100% SECTION LOSS. EAST FLANGE (LT), FROM THE ENCASEMENT UP APPROX 8"H, APPROX 1/4" SECTION LOSS (AVG 1/4" REMAINS). WF, RT VIEWPMAINT



Bent 2 Pile 2: WEST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, UP TO 100% SECTION LOSS (AVG 1/16 "REMAINS). WEST FLANGE (LT), FROM THE ENCASEMENT UP APPROX 8"H, APPROX 1/4" SECTION LOSS (AVG 1/4" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 10"H, 100% SECTION LOSS. EAST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, 100% SECTION LOSS. EAST FLANGE (LT), FROM THE ENCASEMENT UP APPROX 8"H, APPROX 1/4" SECTION LOSS (AVG 1/4" REMAINS). WEB VIEW PMAINT



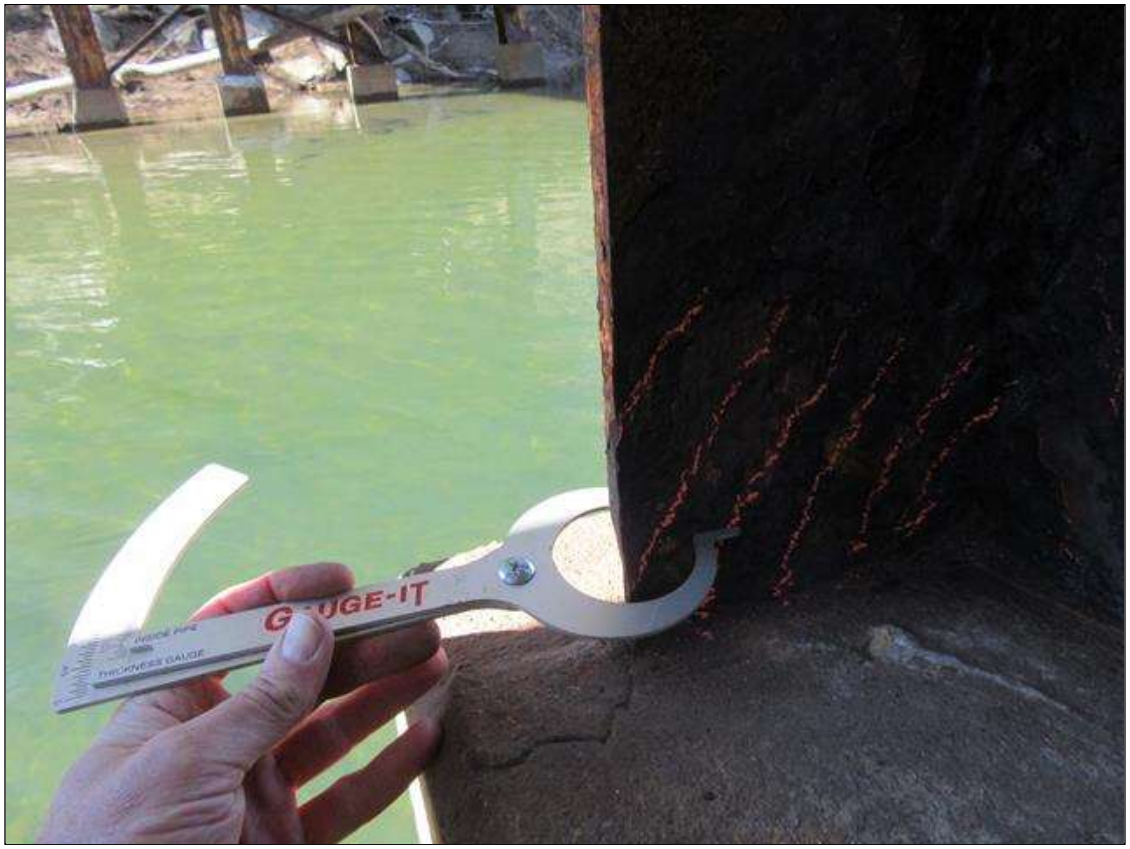
Bent 2 Pile 2: WEST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, UP TO 100% SECTION LOSS (AVG 1/16 "REMAINS). WEST FLANGE (LT), FROM THE ENCASEMENT UP APPROX 8"H, APPROX 1/4" SECTION LOSS (AVG 1/4" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 10"H, 100% SECTION LOSS. EAST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, 100% SECTION LOSS. EAST FLANGE (LT), FROM THE ENCASEMENT UP APPROX 8"H, APPROX 1/4" SECTION LOSS (AVG 1/4" REMAINS). EF, RT VIEW PMAINT



Bent 2 Pile 2: WEST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, UP TO 100% SECTION LOSS (AVG 1/16 "REMAINS). WEST FLANGE (LT), FROM THE ENCASEMENT UP APPROX 8"H, APPROX 1/4" SECTION LOSS (AVG 1/4" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 10"H, 100% SECTION LOSS. EAST FLANGE (RT), FROM THE ENCASEMENT UP APPROX 8"H, 100% SECTION LOSS. EAST FLANGE (LT), FROM THE ENCASEMENT UP APPROX 8"H, APPROX 1/4" SECTION LOSS (AVG 1/4" REMAINS). EF, LT VIEWPMAINT



Bent 2 Pile 3: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 3"H, UP TO 3/8" SECTION LOSS (AVG 1/8" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 28"H, 100% SECTION LOSS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 1"H, 100% SECTION LOSS. EF VIEW PMAINT



Bent 2 Pile 3: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 3"H, UP TO 3/8" SECTION LOSS (AVG 1/8" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 28"H, 100% SECTION LOSS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 1"H, 100% SECTION LOSS. WF VIEW PMAINT



Bent 2 Pile 3: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 3"H, UP TO 3/8" SECTION LOSS (AVG 1/8" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 28"H, 100% SECTION LOSS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 1"H, 100% SECTION LOSS. WF VIEW PMAINT



Bent 2 Pile 3: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 3"H, UP TO 3/8" SECTION LOSS (AVG 1/8" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 28"H, 100% SECTION LOSS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 1"H, 100% SECTION LOSS. WEB VIEW PMAINT



Bent 2 Pile 4: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, UP TO 100% SECTION LOSS (HOLES, AVG 3/16" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 8"H, 90-100% SECTION LOSS (AVG 1/16" REMAINS) WITH PERFORATIONS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, 100% SECTION LOSS. EF VIEW, PMAINT



Bent 2 Pile 4: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, UP TO 100% SECTION LOSS (HOLES, AVG 3/16" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 8"H, 90-100% SECTION LOSS (AVG 1/16" REMAINS) WITH PERFORATIONS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, 100% SECTION LOSS. WF VIEW, PMAINT



Bent 2 Pile 4: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, UP TO 100% SECTION LOSS (HOLES, AVG 3/16" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 8"H, 90-100% SECTION LOSS (AVG 1/16" REMAINS) WITH PERFORATIONS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, 100% SECTION LOSS. WF VIEW, PMAINT



Bent 2 Pile 4: WEST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, UP TO 100% SECTION LOSS (HOLES, AVG 3/16" REMAINS). WEB, FROM THE ENCASEMENT UP APPROX 8"H, 90-100% SECTION LOSS (AVG 1/16" REMAINS) WITH PERFORATIONS. EAST FLANGE, FROM THE ENCASEMENT UP APPROX 6"H, 100% SECTION LOSS. WEB VIEW, PMAINT



Bent 2 Pile 5: WEB, FROM THE ENCASEMENT UP APPROX 18" ON A DIAGONAL, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS) FOR AN AREA APPROX 3"W. WEST FLANGE, FROM THE ENCASEMENT UP APPROX 4", CORROSION WITH PITTING UP TO 1/8". EAST FLANGE, LT, FROM THE ENCASEMENT UP APPROX 1", APPROX 1/4"SECTION LOSS (AVG 1/4" REMAINS) EF, LT, PMAINT.



Bent 2 Pile 5: WEB, FROM THE ENCASEMENT UP APPROX 18" ON A DIAGONAL, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS) FOR AN AREA APPROX 3"W. WEST FLANGE, FROM THE ENCASEMENT UP APPROX 4", CORROSION WITH PITTING UP TO 1/8". EAST FLANGE, LT, FROM THE ENCASEMENT UP APPROX 1", APPROX 1/4"SECTION LOSS (AVG 1/4" REMAINS) WEB VIEW, PMAINT.



Bent 2 Pile 5: WEB, FROM THE ENCASEMENT UP APPROX 18" ON A DIAGONAL, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS) FOR AN AREA APPROX 3"W. WEST FLANGE, FROM THE ENCASEMENT UP APPROX 4", CORROSION WITH PITTING UP TO 1/8". EAST FLANGE, LT, FROM THE ENCASEMENT UP APPROX 1", APPROX 1/4"SECTION LOSS (AVG 1/4" REMAINS) WF VIEW INSODE, PMAINT.



Bent 2 Pile 5: WEB, FROM THE ENCASEMENT UP APPROX 18" ON A DIAGONAL, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS) FOR AN AREA APPROX 3"W. WEST FLANGE, FROM THE ENCASEMENT UP APPROX 4", CORROSION WITH PITTING UP TO 1/8". EAST FLANGE, LT, FROM THE ENCASEMENT UP APPROX 1", APPROX 1/4"SECTION LOSS (AVG 1/4" REMAINS) WF VIEW, OUTISDE, PMAINT.



CONCRETE ENCASEMENTS AT THE BENTS: CRACKING UP TO 1/4"W EMANATES FROM THE FLANGES EARS, TYP.



BENT 2: CROSS CRACING HAS LAYERED RUST WITH PITTING UP TO 1/16"D.



Span 3 Slab 1: LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 3SQFT.



Span 3 Slab 5: LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 5SQFT.



Span 3 Slab 5: FROM BENT 3 OUT APPROX 6'L, LONGITUDINAL CRACK UP TO 1/16"W APPROX 3" FROM SLAB 6



Span 3 Slab 7: LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 4SQFT.



Span 3 Slab 8: LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 4SQFT.



Span 3 Slab 8: APPROX 12' OUT FROM BENT 2, SPALLING WITH EXPOSED RESTEEL, APPROX 10"DIA X UP TO 1.5"D



Span 3 Slab 9: LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 7SQFT.



Span 3 Slab 9: LOWER SIDE OF THE SLAB, SCATTERED SPALLING WITH EXPOSED RESTEEL, (3) AREAS UP TO 10"DIA X UP TO 1"D.



Span 3 Slab 9: LOWER SIDE OF THE SLAB, SCATTERED SPALLING WITH EXPOSED RESTEEL, (3) AREAS UP TO 10"DIA X UP TO 1"D.



Bent 2 Cap 1: EF AT PILE 2, LONGITUDINAL CRACKING UP TO 1/4"W EMANATES FROM THE PLATE CORNERS



BENT 3 LATERAL BRACING HAS FAILED (CORROSION WITH TOTAL LOSS THROUGHOUT). PMAINT



End Bent 2 Abutment/Backwall : LT OUTBOARD END IS DRY AND DECAYED WITH AREAS OF TOTAL LOSS ALLOWING FILL TO SPILL THROUGH. OUTBOARD TIMBER UPRIGHT HAS BEEN LOST. PMAINT



End Bent 2 Abutment/Backwall : RT OUTBOARD END, SCATTERED SOFTNESS AND DECAY WITH AREAS OF TOTAL LOSS ALLOWING FILL TO SPILL THROUGH. PMAINT



Bent 3 Cap 1: EF AT PILE 2, LONGITUDINAL CRACKING UP TO 1/4"W EMANATES FROM THE PLATE CORNERS



Bent 3 Cap 1: EF AT PILE 4, LONGITUDINAL CRACKING UP TO 1/8"W EMANATES FROM THE PLATE CORNERS



BENT 3 ENCASEMENTS: CRACKING UP TO 1/4"W EMANATES FROM THE FLANGE EARS AND EXTENDS DOWNWARD UP TO 3'L, TYP



Bent 3 Pile 1: WEST FLANGE, UP TO 3/16" SECTION LOSS (AVG 1/4" REMAINS) FOR UP TO 1'H. PMAINT



Bent 3 Pile 2: FLANGES, APPROX 1/8" SECTION LOSS THROUGHOUT FOR UP TO 2'H (AVG 3/8" REMAINS). PMAINT



Bent 3 Pile 3: FLANGES, APPROX 1/8" SECTION LOSS THROUGHOUT FOR UP TO 2'H (AVG 3/8" REMAINS). PMAINT



Bent 3 Pile 3: FLANGES, APPROX 1/8" SECTION LOSS THROUGHOUT FOR UP TO 2'H (AVG 3/8" REMAINS). PMAINT



Bent 3 Pile 4: FLANGES, APPROX 3/16" SECTION LOSS THROUGHOUT FOR UP TO 2'H (AVG 5/16" REMAINS). THE WEB HAS APPROX 3/16" LOSS (AVG 5/16" REMAINS) FOR 4"H. WEB VIEW, PMAINT



Bent 3 Pile 4: FLANGES, APPROX 3/16" SECTION LOSS THROUGHOUT FOR UP TO 2'H (AVG 5/16" REMAINS). THE WEB HAS APPROX 3/16" LOSS (AVG 5/16" REMAINS) FOR 4"H. PMAINT



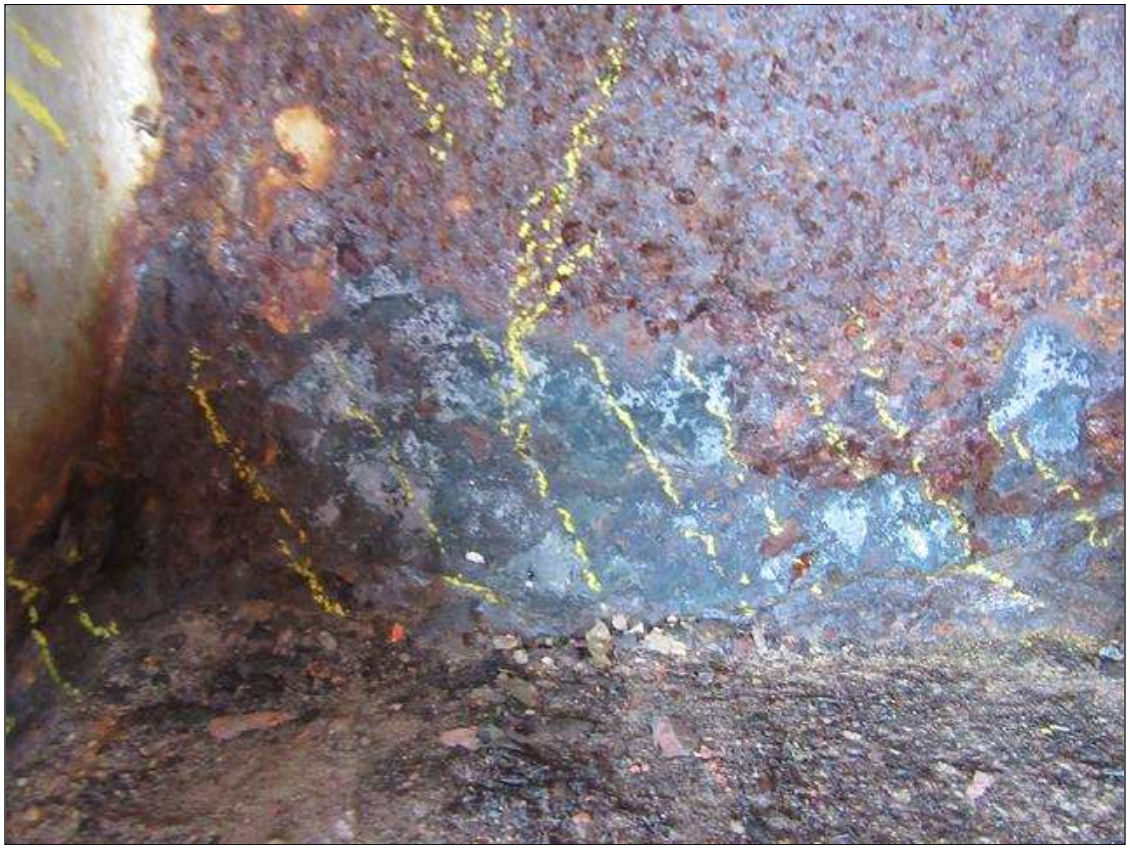
Bent 3 Pile 5: WEST FLANGE, LT, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS) FOR UP TO 2"H. WEB, APPROX 90% SECTION LOSS WITH HOLES (AVG 1/16" REMAINS) FOR APPROX 3"H. EAST FLANGE, LT, UP TO 3/8" SECTION LOSS (AVG 3/16" REMAINS) FOR APPROX 2"H. EF VIEW, PMAINT



Bent 3 Pile 5: WEST FLANGE, LT, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS) FOR UP TO 2"H. WEB, APPROX 90% SECTION LOSS WITH HOLES (AVG 1/16" REMAINS) FOR APPROX 3"H. EAST FLANGE, LT, UP TO 3/8" SECTION LOSS (AVG 3/16" REMAINS) FOR APPROX 2"H. WF, VIEW, PMAINT



Bent 3 Pile 5: WEST FLANGE, LT, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS) FOR UP TO 2"H. WEB, APPROX 90% SECTION LOSS WITH HOLES (AVG 1/16" REMAINS) FOR APPROX 3"H. EAST FLANGE, LT, UP TO 3/8" SECTION LOSS (AVG 3/16" REMAINS) FOR APPROX 2"H. WEB, VIEW PMAINT



Bent 3 Pile 5: WEST FLANGE, LT, UP TO 1/4" SECTION LOSS (AVG 1/4" REMAINS) FOR UP TO 2"H. WEB, APPROX 90% SECTION LOSS WITH HOLES (AVG 1/16" REMAINS) FOR APPROX 3"H. EAST FLANGE, LT, UP TO 3/8" SECTION LOSS (AVG 3/16" REMAINS) FOR APPROX 2"H. WEB VIEW, PMAINT



Bent 2 Pile 1: TOP 2' OF THE PILE, CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D. SURFACE CORROSION IS SCATTERED THROUGHOUT THE BALANCE OF THE PILE.



Bent 2 Pile 1: TOP 2' OF THE PILE, CORROSION WITH LAYERED RUST AND PITTING UP TO 1/16"D. SURFACE CORROSION IS SCATTERED THROUGHOUT THE BALANCE OF THE PILE.



Bent 2 Cap 1: AT PILES 2-4, LOWER SIDE OF THE CAP, LONGITUDINAL CRACKING UP TO 1/4"W EMANATES FROM THE PLATE CORNERS.



Bent 2 Pile 2: WEST FLANGE, TOP 5' OF THE PILE, APPROX 75% SECTION LOSS (AVG 1/8" REMAINS) WITH PINHOLES. PMAINT



Bent 2 Pile 2: WEST FLANGE, TOP 5' OF THE PILE, APPROX 75% SECTION LOSS (AVG 1/8" REMAINS) WITH PINHOLES. PMAINT



Bent 2 Pile 3: EAST AND WEST FLANGES APPROX 4' UP AT THE CROSS BRACING, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS) FOR APPROX 1'L. EAST AND WEST FLANGES APPROX 8' UP AT THE CROSS BRACING, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS) FOR APPROX 1'L. EAST AND WEST FLANGES, TOP 3'L, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS). PMAINT



Bent 2 Pile 3: EAST AND WEST FLANGES APPROX 4' UP AT THE CROSS BRACING, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS) FOR APPROX 1'L. EAST AND WEST FLANGES APPROX 8' UP AT THE CROSS BRACING, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS) FOR APPROX 1'L. EAST AND WEST FLANGES, TOP 3'L, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS) FOR APPROX 1'L. PMAINT



Bent 2 Pile 3: EAST AND WEST FLANGES APPROX 4' UP AT THE CROSS BRACING, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS) FOR APPROX 1'L. EAST AND WEST FLANGES APPROX 8' UP AT THE CROSS BRACING, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS) FOR APPROX 1'L. EAST AND WEST FLANGES, TOP 3'L, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS) FOR APPROX 1'L. PMAINT



Bent 2 Pile 4: WEST FLANGE, TOP 5'L, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS) FOR APPROX 5'L. PMAINT



Bent 2 Cap 1: BETWEEN PILES 4-5, LOWER SIDE OF THE CAP, FULL WIDTH TRANSVERSE CRACKING UP TO 1/16"W THAT EXTENDS UP INTO THE CAP FACES.



Bent 2 Cap 1: BETWEEN PILES 4-5, LOWER SIDE OF THE CAP, FULL WIDTH TRANSVERSE CRACKING UP TO 1/16"W THAT EXTENDS UP INTO THE CAP FACES.



Span 2 Slab 7: LOWER SIDE OF THE SLAB, FROM BENT 2 OUT APPROX 2'L, LONGITUDINAL CRACKING UP TO 1/8"W WITH APPROX 2SQFT ASSOCIATED DELAM.



Bent 2 Pile 5: WEST FLANGE, TOP 3'L, APPROX 50% SECTION LOSS (AVG 1/4" REMAINS) FOR APPROX 3'L. PMAINT



Bent 2 Cap 1: WF AT PILE 5, LOWER SIDE OF THE CAP, SPALL. APPROX 15"L X UP TO 3"H X UP TO 1"D



Span 2 Slab 9: LOWER SIDE OF THE SLAB, BEGINNING APPROX 6' OUT FROM BENT 1, SCATTERED SPALLING WITH EXPOSED RESTEEL WITH NO MEASURABLE SECTION LOSS FOR APPROX 18'L. AREAS ARE UP TO 9"DIA X UP TO 1"D.



Span 2 Slab 8: LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 8SQFT.



Span 2 Slab 7: LOWER SIDE OF THE SLAB IN THE MIDDLE THIRD OF THE SPAN, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 15SQFT.



Span 2 Slab 6: LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 6SQFT.



Span 2 Slab 5: LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 10SQFT.



Bent 1 Pile 4: WEST FLANGE, LT, EXTENDING DOWN FROM THE CAP APPROX 2'L, 100% SECTION LOSS. THE BALANCE OF THE FLANGE FOR THE TOP 5'L HAS APPROX 75% SECTION LOSS (AVG 1/8" REMAINS). PMAINT



Bent 1 Pile 4: WEST FLANGE, LT, EXTENDING DOWN FROM THE CAP APPROX 2'L, 100% SECTION LOSS. THE BALANCE OF THE FLANGE FOR THE TOP 5'L HAS APPROX 75% SECTION LOSS (AVG 1/8" REMAINS). PMAINT



Bent 1 Pile 4: WEST FLANGE, LT, EXTENDING DOWN FROM THE CAP APPROX 2'L, 100% SECTION LOSS. THE BALANCE OF THE FLANGE FOR THE TOP 5'L HAS APPROX 75% SECTION LOSS (AVG 1/8" REMAINS). PMAINT



Bent 1 Pile 3: EAST FLANGE, APPROX 4' UP FROM THE ENCASEMENT, UP TO 75% LOSS (AVG 1/4" REMAINS). PMAINT



Bent 1 Cap 1: EF, LOWER 3" OF THE CAP BETWEEN PILES 1-2, HORIZONTAL CRACKING UP TO 1/4"W.



Span 1 Slab 3: LOWER SIDE OF THE SLAB, EXTENDING OUT FROM BENT 1, LONGITUDINAL CRACKING UP TO 1/32"W FOR APPROX 2'L



Bent 1 Pile 2: EAST FLANGE, APPROX 4' UP FROM THE ENCASEMENT, UP TO 75% LOSS (AVG 1/4" REMAINS). PMAINT



Span 2 Slab 1: LOWER SIDE OF THE SLAB, SCATTERED DELAM ALONG THE LENGTH TOTALING APPROX 10SQFT.



WEST APPROACH



TYP BRIDGE RAIL END



LOOKING UPSTREAM



LOOKING DOWNSTREAM



EAST APPROACH



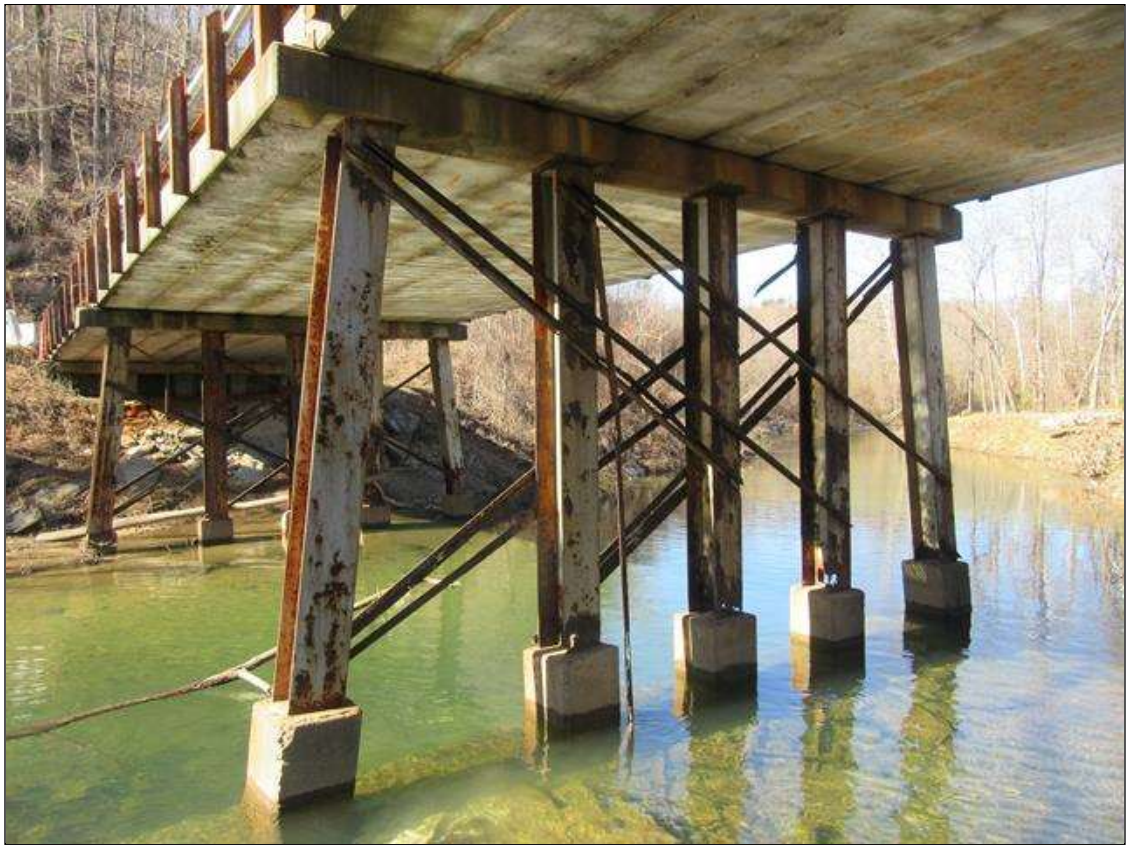
ABUT 2



BENT 1



ABUT 1



BENT 2



BENT 3

Structure: 580108 County: MCDOWELL Date: 01/24/2018 Structure Photos



DOWNSTREAM



UPSTREAM



SNOOPER USED



MOT USED DURING SNOOPER INSPECTION

Stream Bed Soundings

(Profile diagram on following sheet)

County **MCDOWELL** Structure Number: **580108** Inspection Date **01/24/2018**

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

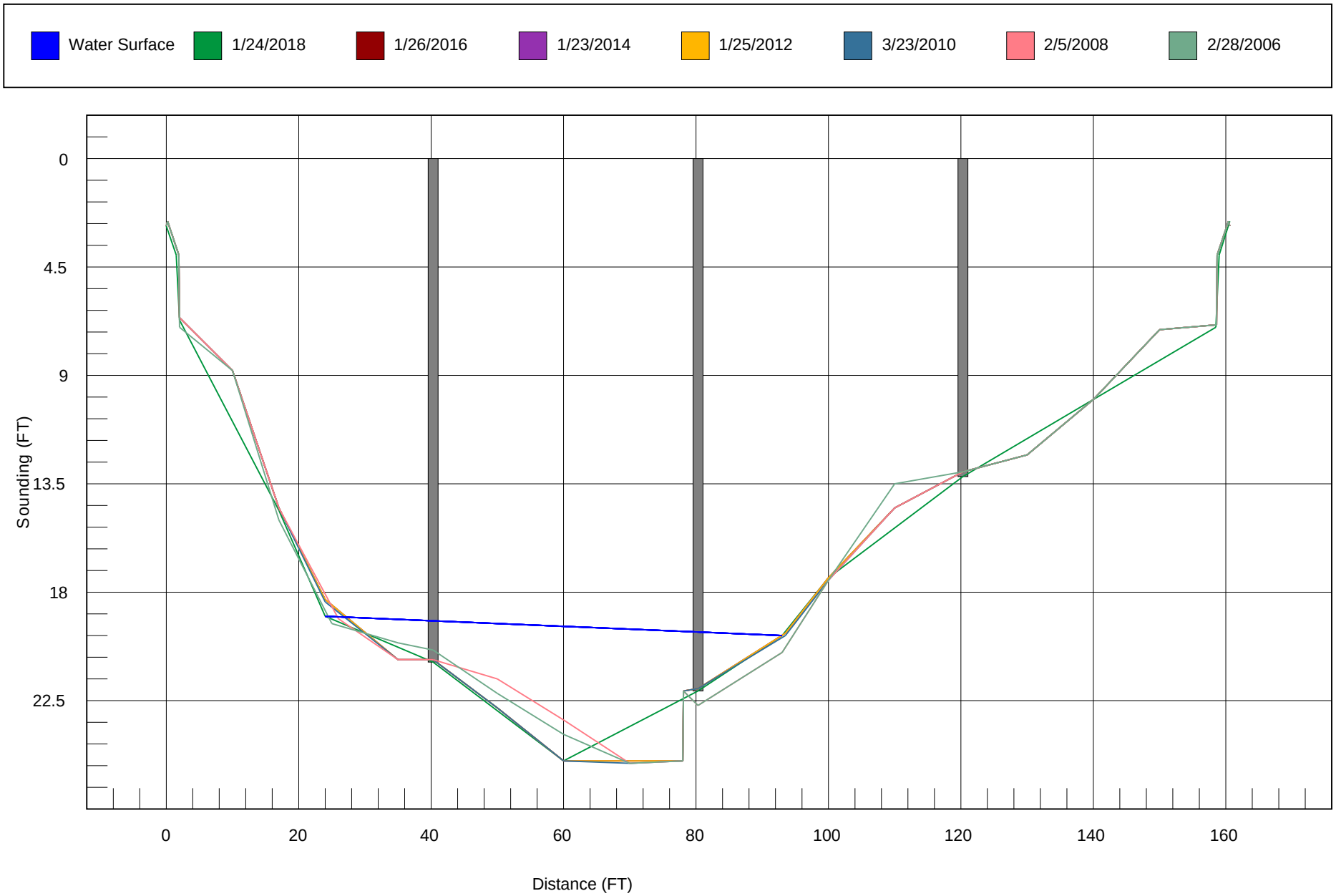
Highwater Mark Distance Location of Highwater Mark **NONE NOTED**

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.800	0.000	FILL FACE
1.500	4.000	0.000	RAIL TO CAP
2.000	6.700	7.200	GROUND AT CAP
17.000	14.600	0.000	TOE OF SLOPE
24.000	19.000	0.000	WSWE
40.300	20.900	22.700	BENT 1
60.000	25.000	0.000	SOUNDING
80.300	22.100	23.800	BENT 2
93.000	19.800	0.000	WSWE
100.000	17.400	0.000	SLOPE
120.300	13.200	13.200	BENT 3
140.000	10.000	0.000	SLOPE
158.500	7.000	6.000	GROUND AT CAP
159.000	4.000	0.000	RAIL TO CAP
160.600	2.600	0.000	FILL FACE

Bridge: 580108 County: MCDOWELL Date: 01/24/2018

STREAMBED PROFILE (Downstream)

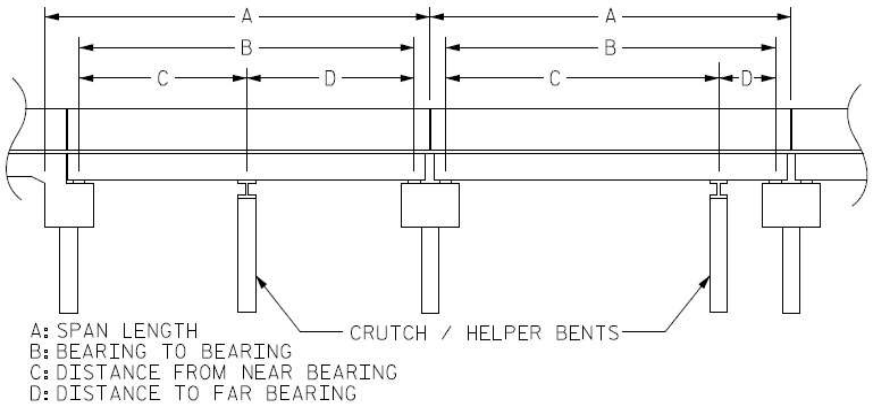
Top of Rail = 0FT (Sounding)



Structure Data Worksheet

Span Profile

County: **MCDOWELL** Structure Number: **580108**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	40.250	0.000			
2	40.000	0.000			
3	40.000	0.000			
4	40.250	0.000			