



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: CITY OF FAYETTEVILLE, PRIORITY MAINTENANCE,
STRUCTURE DATA CHANGE, TEMPORARY REPAIR

Structure Safety Report

Municipal Routine Element Inspection - Contract

INSPECTION DATE: 01/08/2018

DIVISION: 6 COUNTY: CUMBERLAND STRUCTURE NUMBER: 250211 FREQUENCY: 24 MONTHS

FACILITY CARRIED: LOUISE ST. MILE POST:

LOCATION: 0.14 MI.W.JCT.US401B 0.14 MILE WEST OF JUNCTION WITH US 401 B

FEATURE INTERSECTED: BEAVER CREEK

LATITUDE: 35° 2' 50.35" LONGITUDE: 78° 58' 47.62"

SUPERSTRUCTURE: PRESTRESSED CONCRETE CHANNELS STD BMD-13 & BMD-13-1

SUBSTRUCTURE: E.BTS & BTS:PPC CAPS/TIMBER PILES @ 5'-8 CENTERS

SPANS: 3 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

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

GRADES: DECK 6 SUPERSTRUCTURE 5 SUBSTRUCTURE 3 CULVERT N

POSTED SV: 24 17 POSTED TTST: 31 21

OTHER SIGNS PRESENT: (4) DELINEATORS



LOOKING EAST

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

DIRECTION OF INSPECTION W-E

DIRECTION MATCHES PLANS

INSPECTED BY
MICHAEL R. MEYER

SIGNATURE

ASSISTED BY STUART R. HALL

Structure Element Scoring

Structure Number: 250211

Inspection Date 1/8/2018

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	2808	2808	0	0	0
109	0	Prestressed Concrete Open Girder/Beam	Beam	1116	1040	62	12	2
216	0	Timber Abutment	Abutments	84	84	0	0	0
225	0	Steel Pile	Piles and Columns	2	2	0	0	0
228	0	Timber Pile	Piles and Columns	23	1	13	1	8
233	0	Prestressed Concrete Pier Cap	Caps	127	119	8	0	0
316	0	Other Bearings	Bearing Device	72	72	0	0	0
515	316	Steel Protective Coating	Bearing Device	72	72	0	0	0
330	0	Metal Bridge Railing	Bridge Rail	186	73	111	0	2
515	330	Steel Protective Coating	Bridge Rail	186	75	0	111	0
510	0	Wearing Surface	Wearing Surfaces	2701	2023	0	678	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 250211

Inspection Date: 01/08/2018

MMS Code	Element Name	Defect Name	Recommended Quantity
3306	Prestressed Concrete Open Girder/Bear	Delamination/Spall	42 Feet
3306	Prestressed Concrete Open Girder/Bear	Cracking (PSC)	9 Feet
3306	Prestressed Concrete Open Girder/Bear	Patched Area	1 Feet
3344	Timber Pile	Decay/Section Loss	22 Each
3322	Metal Bridge Railing	Connection	2 Feet
2816	Wearing Surface	Crack (Wearing Surface)	678 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	111 Square Feet

Element Structure Maintenance Quantities

Structure Number: **250211**

Inspection Date **01/08/2018**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3346	Maintenance of Timber Bulkheads or Wingwalls	0	84	0	0	0	84
Beam	3306	Maintenance Concrete Superstructure Components	52	1116	2	12	62	1040
Beam	3326	Maintenance of Concrete Deck	0	2808	0	0	0	2808
Bearing Device	3334	Bridge Bearing	0	72	0	0	0	72
Bearing Device	3342	Clean and Paint Steel	0	72	0	0	0	72
Bridge Rail	3322	Maintenance of Steel Bridge Rail	2	186	2	0	111	73
Bridge Rail	3342	Clean and Paint Steel	111	186	0	111	0	75
Caps	3348	Maintenance of Concrete Substructure	0	127	0	0	8	119
Piles and Columns	3344	Maintenance To Timber Substrcutre	22	23	8	1	13	1
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	2	0	0	0	2
Wearing Surfaces	2816	Asphalt Surface Repair	678	2701	0	678	0	2023

Element Condition and Maintenance Data

Structure Number: 250211

Inspection Date: 01/08/2018

Span 1 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	905	627	0	278	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	(8) 31' REFLECTIVE LONGITUDINAL CRACKS UP TO 1/8", THROUGHOUT TRAVEL LANES.	3	248	248	Square Feet
510	Crack (Wearing Surface)	30' TRANSVERSE CRACK UP TO 1/4", OVER END BENT 1.	3	30	30	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	0	-31	0	31	0	Feet
330	Metal Bridge Railing	31	0	31	0	0	Feet
515	Steel Protective Coating	31	0	0	31	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	31' OF SURFACE RUST ALONG RAIL.	2	31		Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS LIMITED EFFECTIVENESS.	3	31	31	Square Feet

General Comments

Span 1 Slab 1

Prestressed Concrete Channel

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	78	78	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	20	11	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Delamination/Spall	(9) 2" X UP TO 10" X 1/4" SPALLS WITH EXPOSED REINFORCING, AT RANDOM ALONG UNDERSIDE OF TOP SLAB.	2	9	9	Feet
109	Patched Area	2' PATCHED AREA, UNDERSIDE OF TOP SLAB FOR CRUTCH BENT PILE, AT BENT 1.	2	2		Feet

General Comments

Span 1 Slab 2

Prestressed Concrete Channel

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	78	78	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	28	1	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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Structure Number: **250211**Inspection Date: **01/08/2018**

109	Cracking (PSC)	20" HORIZONTAL CRACK UP TO .002", INSIDE FACE OF LEG 1, AT BENT 1.	3	2	2 Feet
109	Delamination/Spall	6" DIAMETER X 1/2" SPALL, OUTSIDE FACE OF LEG 2, 10' FROM BENT 1.	2	1	1 Feet

General Comments**Span 1****Slab 3****Prestressed Concrete Channel**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	78	78	0	0	0 Square Feet
109	Prestressed Concrete Open Girder/Beam	31	29	0	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
109	Delamination/Spall	10" X 1" X 2" SPALLED PATCHED AREA, OUTSIDE FACE OF LEG 1, AT BENT 1.	3	1	1 Feet
109	Delamination/Spall	14" X 4" X 2" SPALL, INSIDE FACE OF LEG 1, AT END BENT 1.	3	1	1 Feet

General Comments**Span 1****Slab 4****Prestressed Concrete Channel**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	78	78	0	0	0 Square Feet
109	Prestressed Concrete Open Girder/Beam	31	28	3	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
109	Delamination/Spall	(3) 4" DIAMETER X 1/2" SPALLS WITH EXPOSED REINFORCING, OUTSIDE FACE OF LEG 1, 9' FROM BENT 1.	2	3	3 Feet

General Comments**Span 1****Slab 7****Prestressed Concrete Channel**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	78	78	0	0	0 Square Feet
109	Prestressed Concrete Open Girder/Beam	31	29	2	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
109	Delamination/Spall	8" X 3" X 1" SPALL, INSIDE FACE OF LEG 2, AT BENT 1.	2	1	1 Feet
109	Patched Area	6" X 2" X 1" PATCHED AREA ALONG BOTTOM INSIDE FACE OF LEG 2, AT END BENT 1.	2	1	Feet

General Comments

Slab 8

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	78	78	0	0	0 Square Feet
109	Prestressed Concrete Open Girder/Beam	31	30	1	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
109	Patched Area	8" X 2" PATCHED AREA, BOTTOM OF LEG 2, AT BENT 1.	2	1	Feet
General Comments					

Slab 10

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	78	78	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	30	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Delamination/Spall	7" X 3" X 1" SPALL, INSIDE FACE OF LEG 2, AT END BENT 1.	2	1	1	Feet
General Comments						

Slab 12

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	78	78	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	30	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Patched Area	12" X 7" PATCHED AREA, INSIDE FACE OF LEG 2, AT END BENT 1.	2	1		Feet
General Comments						

Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	888	672	0	216	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	(6) 31' REFLECTIVE LONGITUDINAL CRACKS UP TO 1/8" THROUGHOUT TRAVEL LANES.	3	186	186	Square Feet
510	Crack (Wearing Surface)	30' TRANSVERSE CRACK UP TO 1/4", OVER BENT 1.	3	30	30	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	
313	Fixed Bearing	1	-30	0	31	0	Each
330	Metal Bridge Railing	31	0	31	0	0	Feet
515	Steel Protective Coating	31	0	0	31	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	31' OF SURFACE RUST ALONG RAIL.	2	31		Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS LIMITED EFFECTIVENESS.	3	31	31	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	
311	Movable Bearing	1	-24	0	25	0	Each
330	Metal Bridge Railing	31	6	25	0	0	Feet
515	Steel Protective Coating	31	6	0	25	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	25' OF SURFACE RUST ALONG RAIL	2	25		Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS LIMITED EFFECTIVENESS.	3	25	25	Square Feet

General Comments

Span 2 Slab 1**Prestressed Concrete Channel**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	18	13	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Delamination/Spall	(11) 2" X UP TO 10" X 1/4" SPALLS WITH EXPOSED REINFORCING, AT RANDOM ALONG UNDERSIDE OF TOP SLAB.	2	11	11	Feet
109	Patched Area	PATCHED AREA, UNDERSIDE OF TOP SLAB FOR CRUTCH BENT PILE, AT BENT 1.	2	2		Feet

General Comments

Slab 2

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	30	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Patched Area	8" X 4" X 2" PATCHED AREA, BOTTOM OF LEG 2, AT BENT 1.	2	1		Feet
General Comments						

Slab 3

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	28	1	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Cracking (PSC)	18" HORIZONTAL CRACK UP TO 1/16", UNDERSIDE OF LEG 2, 5' FROM BENT 1.	3	2	2	Feet
109	Patched Area	8" ATCHED AREA, UNDERSIDE OF LEG 2, AT BENT 1.	2	1		Feet

General Comments

Slab 5

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	29	2	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Patched Area	PATCHED AREA, UNDERSIDE OF TOP SLAB FOR CRUTCH BENT PILE, AT BENT 2.	2	2		Feet
General Comments						

Slab 7

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	30	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Cracking (PSC)	8" HORIZONTAL CRACK UP TO 1/32", UNDERSIDE OF LEG 2, AT MID SPAN.	3	1	1	Feet
General Comments						

Slab 8

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	28	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Delamination/Spall	(3) 4" DIAMETER X 1/2" SPALLS WITH EXPOSED REINFORCING, OUTSIDE FACE OF LEG 2, 5' FROM BENT 1.	2	3	3	Feet
General Comments						

Slab 9

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	30	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Patched Area	6" X 2" PATCHED AREA, UNDERSIDE OF LEG 2, AT BENT 1.	2	1		Feet
General Comments						

Slab 10

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	26	1	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Cracking (PSC)	4' HORIZONTAL CRACK UP TO 1/8", UNDERSIDE OF LEG 1, BEGINNING AT BENT 1.	3	4	4	Feet
109	Patched Area	6" X 2" PATCHED AREA, UNDERSIDE OF LEG 1, AT BENT 2.	2	1		Feet

General Comments

Slab 11

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	30	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Patched Area	10" LONGITUDINAL CRACK UP TO 1/32", UNSOUND PATCHED AREA, UNDERSIDE OF LEG 1, AT BENT 2.	3	1	1	Feet
General Comments						

Span 2**Slab 12****Prestressed Concrete Channel**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	77	77	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	28	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Delamination/Spall	8" X 1/2" X 1" SPALL, UNDERSIDE OF LEG 1, 3' FROM BENT 1.	2	1		Feet
109	Patched Area	16" X 8" PATCHED AREA, INSIDE FACE OF LEG 1, AT BENT 1.	2	2		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	908	724	0	184	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	(4) 31' REFLECTIVE LONGITUDINAL CRACKS UP TO 1/8" THROUGHOUT TRAVEL LANES.	3	124	124	Square Feet
510	Crack (Wearing Surface)	30' TRANSVERSE CRACK UP TO 1/4", OVER BENT 2.	3	30	30	Square Feet
510	Crack (Wearing Surface)	30' TRANSVERSE CRACK UP TO 1/4", OVER END BENT 2.	3	30	30	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	
313	Fixed Bearing	1	-5	0	6	0	Each
330	Metal Bridge Railing	31	23	6	0	2	Feet
515	Steel Protective Coating	31	25	0	6	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Connection	10' OF RAIL IS NOT SUPPORTED DUE TO LAST 2 RAIL POST NOT BEING ATTACHED TO STRUCTURE. (PM)	4	2	2	Feet
330	Corrosion	6' OF SURFACE RUST ALONG RAIL	2	6		Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS LIMITED EFFECTIVENESS.	3	6	6	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	
311	Movable Bearing	1	-17	0	18	0	Each
330	Metal Bridge Railing	31	13	18	0	0	Feet
515	Steel Protective Coating	31	13	0	18	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	18' OF SURFACE RUST ALONG RAIL	2	18		Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS LIMITED EFFECTIVENESS.	3	18	18	Square Feet

General Comments

Span 3 Slab 1**Prestressed Concrete Channel**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	79	79	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	30	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Delamination/Spall	7" X 4" X 1" SPALL, OUTSIDE FACE OF LEG 1, 10' FROM BENT 2.	2	1	1	Feet

General Comments

Span 3 Slab 5**Prestressed Concrete Channel**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	79	79	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	29	2	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Patched Area	PATCHED AREA, UNDERSIDE OF TOP SLAB FOR CRUTCH BENT PILE, AT BENT 2.	2	2		Feet

General Comments

Span 3 Slab 7**Prestressed Concrete Channel**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
15	Prestressed Concrete Top Flange	79	79	0	0	0	Square Feet
109	Prestressed Concrete Open Girder/Beam	31	26	3	0	2	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
109	Delamination/Spall	14" X 2" X 2-1/2" SPALL WITH EXPOSED REINFORCING, BOTTOM OF LEG 2, 10' FROM END BENT 2. (PM)	4	2	2	Feet
109	Patched Area	32" PATCHED AREA, BOTTOM OF LEG 2, 5' FROM END BENT 2.	2	3		Feet

General Comments

Span 3**Slab 9****Prestressed Concrete Channel**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	79	79	0	0	0 Square Feet
109	Prestressed Concrete Open Girder/Beam	31	29	2	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
109	Delamination/Spall	16" X 2" X 2" DELAMINATION, BOTTOM OF LEG 2, 7' FROM END BENT 2.	2	2	Feet

General Comments**Span 3****Slab 10****Prestressed Concrete Channel**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	79	79	0	0	0 Square Feet
109	Prestressed Concrete Open Girder/Beam	31	30	1	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
109	Patched Area	10" X 2" PATCHED AREA, UNDERSIDE OF LEG 1, AT BENT 2.	2	1	Feet

General Comments**Span 3****Slab 12****Prestressed Concrete Channel**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
15	Prestressed Concrete Top Flange	79	79	0	0	0 Square Feet
109	Prestressed Concrete Open Girder/Beam	31	23	8	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
109	Delamination/Spall	(8) 2" X UP TO 10" X 1/4" SPALLS WITH EXPOSED REINFORCING, AT RANDOM ALONG UNDERSIDE OF TOP SLAB.	2	8	8 Feet

General Comments**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	32	24	8	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
233	Patched Area	(5) 8" PATCHED AREAS, ALONG EAST FACE, BELOW SLABS 6, 8, AND 11.	2	5	Feet
233	Patched Area	(5) 8" PATCHED AREAS, ALONG EAST FACE, BELOW SLABS 6, 8, 9 AND 11.	2	5	Feet
233	Patched Area	2' X 11" PATCHED AREA, WEST FACE, BELOW SLABS 4 AND 5.	2	2	Feet
233	Patched Area	6" X 4" PATCHED AREA, WEST FACE, BELOW SLAB 6, LEG	2	1	Feet

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233 Patched Area 1. 6" X 4" PATCHED AREA, WEST FACE, SLAB 6, LEG 1. 2 1 Feet

General Comments**End Bent 1 Pile 1****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	CHECKING UP TO 1/16" ALONG PILE.	2	1	Each

General Comments**End Bent 1 Pile 2****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	CHECKING UP TO 1/16" ALONG PILE.	2	1	Each

General Comments**End Bent 1 Pile 3****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	0	0	1 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Decay/Section Loss	5" DEEP AREA OF DECAY, SOUTH SIDE OF PILE, BEGINNING AT GROUND. (PM)	4	1	1 Each

General Comments**End Bent 1 Pile 4****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	CHECKING UP TO 1/16" ALONG PILE.	2	1	Each

General Comments

End Bent 1**Pile 5****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
228	Check/Shake	CHECKING UP TO 1/16" ALONG PILE.	2	1			Each
General Comments							

End Bent 1**Pile 6****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	0	0	1	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
228	Decay/Section Loss	8" DEEP DECAY ALONG BASE OF PILE. (PM)	4	1	2		Each
General Comments							

Bent 1**Pile 1****Steel Cross Cap Crutch 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							
TEMPORARY REPAIR, STEEL CROSS CAP CRUTCH BENT.							

Bent 1**Pile 2****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
228	Check/Shake	CHECKING UP TO 1/8" ALONG FULL LENGTH OF PILE.	2	1			Each
General Comments							

Bent 1**Pile 3****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
228	Check/Shake	CHECKING UP TO 1/8" ALONG FULL LENGTH OF PILE.	2	1			Each

General Comments**Bent 1 Pile 4****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Check/Shake	CHECKING UP TO 1/8" ALONG FULL LENGTH OF PILE.	2	1		Each

General Comments**Bent 1 Pile 5****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Check/Shake	CHECKING UP TO 1/8" ALONG FULL LENGTH OF PILE.	2	1		Each

General Comments**Bent 1 Pile 6****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	0	0	1	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Decay/Section Loss	5' OF DECAY WITH 2' X 3" HOLE, SOUTHEAST FACE OF PILE WITH 1" SHELL REMAINING. (PM)	4	1	5	Each

General Comments**End Bent 2 Pile 1****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	0	0	1	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Decay/Section Loss	30" OF COMPLETE DECAY OF PILE WITH BULGING. (PM)	4	1	3	Each

General Comments

End Bent 2**Pile 2****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
228	Check/Shake	CHECKING UP TO 1/8" ALONG PILE'	2	1			Each
General Comments							

End Bent 2**Pile 3****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
228	Check/Shake	CHECKING UP TO 1/8" ALONG PILE'	2	1			Each
General Comments							

End Bent 2**Pile 4****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	0	0	1	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
228	Decay/Section Loss	2' OF DECAY, 3" WIDE X 5" DEEP, ALONG NORTH FACE. (PM)	4	1	2		Each
General Comments							

End Bent 2**Pile 5****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	0	0	1	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
228	Decay/Section Loss	1' OF DECAY, 2" WIDE X 4" DEEP, ALONG NORTH FACE. (PM)	4	1	2		Each
General Comments							

End Bent 2**Pile 6****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		

228 Check/Shake CHECKING UP TO 1/8" ALONG PILE. 2 1 Each

General Comments

Bent 2 Pile 1

Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Check/Shake	CHECKING UP TO 1/8" ALONG FULL LENGTH OF PILE.	2	1		Each

General Comments

Bent 2 Pile 2

Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Decay/Section Loss	12" X 5" X 4" AREA OF DECAY BELOW CROSS BRACE, BEGINNING 4' BELOW CAP. (PM)	3	1	1	Each

General Comments

Bent 2 Pile 3

Steel Cross Cap Crutch 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	
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General Comments

TEMPORARY REPAIR, STEEL CROSS CAP CRUTCH BENT.

Bent 2 Pile 4

Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	1	0	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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General Comments

TIMBER PILE IS COMPLETELY DECAYED AND SUPPLEMENTED BY STEEL PILES TO LEFT.

Bent 2**Pile 5****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Check/Shake	CHECKING UP TO 1/16" ALONG FULL LENGTH OF PILE.	2	1		Each

General Comments

Bent 2**Pile 6****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	0	0	1	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Decay/Section Loss	12" X 3" X 2" AREA OF DECAY, WEST FACE, 4' BELOW CAP. (PM)	4	1	1	Each

General Comments

Bent 2**Pile 7****Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	0	0	1	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Decay/Section Loss	5' OF DECAY AND HOLLOW SOUNDING ALONG NORTH FACE, BEGINNING 2' BELOW CAP. (PM)	4	1	5	Each

General Comments

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Slab 1	Prestressed Concrete Channel	Prestressed Concrete Top Flange	78
Span 1	Slab 1	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 1	Slab 2	Prestressed Concrete Channel	Prestressed Concrete Top Flange	78
Span 1	Slab 2	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 1	Slab 3	Prestressed Concrete Channel	Prestressed Concrete Top Flange	78
Span 1	Slab 3	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 1	Slab 4	Prestressed Concrete Channel	Prestressed Concrete Top Flange	78
Span 1	Slab 4	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 1	Slab 5	Prestressed Concrete Channel	Prestressed Concrete Top Flange	78
Span 1	Slab 5	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 1	Slab 6	Prestressed Concrete Channel	Prestressed Concrete Top Flange	78
Span 1	Slab 6	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 1	Slab 7	Prestressed Concrete Channel	Prestressed Concrete Top Flange	78
Span 1	Slab 7	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 1	Slab 8	Prestressed Concrete Channel	Prestressed Concrete Top Flange	78
Span 1	Slab 8	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 1	Slab 9	Prestressed Concrete Channel	Prestressed Concrete Top Flange	78
Span 1	Slab 9	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 1	Slab 10	Prestressed Concrete Channel	Prestressed Concrete Top Flange	78
Span 1	Slab 10	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 1	Slab 11	Prestressed Concrete Channel	Prestressed Concrete Top Flange	78
Span 1	Slab 11	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 1	Slab 12	Prestressed Concrete Channel	Prestressed Concrete Top Flange	78
Span 1	Slab 12	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 1	Left Bridge Rail	Steel Rail	Metal Bridge Railing	31
Span 1	Right Bridge Rail	Steel Rail	Metal Bridge Railing	31
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	905
Span 2	Slab 1	Prestressed Concrete Channel	Prestressed Concrete Top Flange	77
Span 2	Slab 1	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 2	Slab 2	Prestressed Concrete Channel	Prestressed Concrete Top Flange	77
Span 2	Slab 2	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 2	Slab 3	Prestressed Concrete Channel	Prestressed Concrete Top Flange	77
Span 2	Slab 3	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 2	Slab 4	Prestressed Concrete Channel	Prestressed Concrete Top Flange	77
Span 2	Slab 4	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 2	Slab 5	Prestressed Concrete Channel	Prestressed Concrete Top Flange	77
Span 2	Slab 5	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 2	Slab 6	Prestressed Concrete Channel	Prestressed Concrete Top Flange	77
Span 2	Slab 6	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 2	Slab 7	Prestressed Concrete Channel	Prestressed Concrete Top Flange	77
Span 2	Slab 7	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 2	Slab 8	Prestressed Concrete Channel	Prestressed Concrete Top Flange	77
Span 2	Slab 8	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 2	Slab 9	Prestressed Concrete Channel	Prestressed Concrete Top Flange	77
Span 2	Slab 9	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31

Elements Verified

Location	Name	Component	Element Name	Amount
Span 2	Slab 10	Prestressed Concrete Channel	Prestressed Concrete Top Flange	77
Span 2	Slab 10	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 2	Slab 11	Prestressed Concrete Channel	Prestressed Concrete Top Flange	77
Span 2	Slab 11	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 2	Slab 12	Prestressed Concrete Channel	Prestressed Concrete Top Flange	77
Span 2	Slab 12	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 2	Left Bridge Rail	Steel Rail	Metal Bridge Railing	31
Span 2	Right Bridge Rail	Steel Rail	Metal Bridge Railing	31
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	888
Span 3	Slab 1	Prestressed Concrete Channel	Prestressed Concrete Top Flange	79
Span 3	Slab 1	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 3	Slab 2	Prestressed Concrete Channel	Prestressed Concrete Top Flange	79
Span 3	Slab 2	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 3	Slab 3	Prestressed Concrete Channel	Prestressed Concrete Top Flange	79
Span 3	Slab 3	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 3	Slab 4	Prestressed Concrete Channel	Prestressed Concrete Top Flange	79
Span 3	Slab 4	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 3	Slab 5	Prestressed Concrete Channel	Prestressed Concrete Top Flange	79
Span 3	Slab 5	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 3	Slab 6	Prestressed Concrete Channel	Prestressed Concrete Top Flange	79
Span 3	Slab 6	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 3	Slab 7	Prestressed Concrete Channel	Prestressed Concrete Top Flange	79
Span 3	Slab 7	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 3	Slab 8	Prestressed Concrete Channel	Prestressed Concrete Top Flange	79
Span 3	Slab 8	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 3	Slab 9	Prestressed Concrete Channel	Prestressed Concrete Top Flange	79
Span 3	Slab 9	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 3	Slab 10	Prestressed Concrete Channel	Prestressed Concrete Top Flange	79
Span 3	Slab 10	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 3	Slab 11	Prestressed Concrete Channel	Prestressed Concrete Top Flange	79
Span 3	Slab 11	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 3	Slab 12	Prestressed Concrete Channel	Prestressed Concrete Top Flange	79
Span 3	Slab 12	Prestressed Concrete Channel	Prestressed Concrete Open Girder/Beam	31
Span 3	Left Bridge Rail	Steel Rail	Metal Bridge Railing	31
Span 3	Right Bridge Rail	Steel Rail	Metal Bridge Railing	31
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	908
Bent 1	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	32
Bent 1	Pile 1	Steel Cross Cap Crutch Pile	Steel Pile	1
Bent 1	Pile 2	Timber Pile	Timber Pile	1
Bent 1	Pile 3	Timber Pile	Timber Pile	1
Bent 1	Pile 4	Timber Pile	Timber Pile	1
Bent 1	Pile 5	Timber Pile	Timber Pile	1
Bent 1	Pile 6	Timber Pile	Timber Pile	1
End Bent 1	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	32
End Bent 1	Pile 1	Timber Pile	Timber Pile	1

Elements Verified

Location	Name	Component	Element Name	Amount
End Bent 1	Pile 2	Timber Pile	Timber Pile	1
End Bent 1	Pile 3	Timber Pile	Timber Pile	1
End Bent 1	Pile 4	Timber Pile	Timber Pile	1
End Bent 1	Pile 5	Timber Pile	Timber Pile	1
End Bent 1	Pile 6	Timber Pile	Timber Pile	1
End Bent 1	Abutment	Timber Abutment	Timber Abutment	42
Bent 2	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	31
Bent 2	Pile 1	Timber Pile	Timber Pile	1
Bent 2	Pile 2	Timber Pile	Timber Pile	1
Bent 2	Pile 3	Steel Cross Cap Crutch Pile	Steel Pile	1
Bent 2	Pile 4	Timber Pile	Timber Pile	1
Bent 2	Pile 5	Timber Pile	Timber Pile	1
Bent 2	Pile 6	Timber Pile	Timber Pile	1
Bent 2	Pile 7	Timber Pile	Timber Pile	1
End Bent 2	Cap 1	Prestressed Concrete Pier Cap	Prestressed Concrete Pier Cap	32
End Bent 2	Pile 1	Timber Pile	Timber Pile	1
End Bent 2	Pile 2	Timber Pile	Timber Pile	1
End Bent 2	Pile 3	Timber Pile	Timber Pile	1
End Bent 2	Pile 4	Timber Pile	Timber Pile	1
End Bent 2	Pile 5	Timber Pile	Timber Pile	1
End Bent 2	Pile 6	Timber Pile	Timber Pile	1
End Bent 2	Abutment	Timber Abutment	Timber Abutment	42

General Inspection Notes

Bent 1 Pile 1
TEMPORARY REPAIR, STEEL CROSS CAP CRUTCH BENT.

Bent 2 Pile 3
TEMPORARY REPAIR, STEEL CROSS CAP CRUTCH BENT.

Bent 2 Pile 4
TIMBER PILE IS COMPLETELY DECAYED AND SUPPLIMENTED BY STEEL PILES TO LEFT.

National Bridge and NC Inspection Items

Structure Number: 250211

Inspection Date: 01/08/2018

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	6
Item 59: Superstructure	0 - 9 , N	5
Item 60: Substructure	0 - 9 , N	3
Item 61: Channel and Channel Protection	0 - 9 , N	7
Item 62: Culvert	0 - 9 , N	N
Item 71: Waterway Adequacy	0 - 9 , N	7
Item 72: Approach Roadway Alignment	0 - 9 , N	8

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	G	0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	F	4	3350
Field Scour Evaluation		O		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	1		
Superstructure Paint Code				

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	10
Traffic Control Time	Hours	0
Snooper Time	Hours	0
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	Y
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 250211

Inspection Date: 01/08/2018

Item	Superstructure - Item 59	Grade	5	Maint Code	Qty.	0
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Details POST TENSIONING CABLE SHOT OUT NORTH SIDE, CENTER OF SPAN 2. (PM)

Item	Wingwalls	Grade	F	Maint Code	3350	Qty.	4
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Details TOP BOARD OF NORTHEAST WINGWALL IS ROTATED UPWARD 8"



Span 1 Wearing Surface: (8) 31' REFLECTIVE LONGITUDINAL CRACKS UP TO 1/8", THROUGHOUT TRAVEL LANES.



Span 1 Wearing Surface: 30' TRANSVERSE CRACK UP TO 1/4", OVER END BENT 1.



Span 1 Left Bridge Rail: 31' OF SURFACE RUST ALONG RAIL.



Span 3 Left Bridge Rail: 10' OF RAIL IS NOT SUPPORTED DUE TO LAST 2 RAIL POST NOT BEING ATTACHED TO STRUCTURE. (PM)



Span 3 Left Bridge Rail: 10' OF RAIL IS NOT SUPPORTED DUE TO LAST 2 RAIL POST NOT BEING ATTACHED TO STRUCTURE. (PM)



Span 1 Slab 1: (9) 2" X UP TO 10" X 1/4" SPALLS WITH EXPOSED REINFORCING, AT RANDOM ALONG UNDERSIDE OF TOP SLAB.



Span 1 Slab 1: 2' PATCHED AREA, UNDERSIDE OF TOP SLAB FOR CRUTCH BENT PILE, AT BENT 1.



Span 1 Slab 2: 6" DIAMETER X 1/2" SPALL, OUTSIDE FACE OF LEG 2, 10' FROM BENT 1.



Span 1 Slab 2: 20" HORIZONTAL CRACK UP TO .002", INSIDE FACE OF LEG 1, AT BENT 1.



Span 1 Slab 3: 14" X 4" X 2" SPALL, INSIDE FACE OF LEG 1, AT END BENT 1.



Span 1 Slab 3: 10" X 1" X 2" SPALLED PATCHED AREA, OUTSIDE FACE OF LEG 1, AT BENT 1.



Span 1 Slab 4: (3) 4" DIAMETER X 1/2" SPALLS WITH EXPOSED REINFORCING, OUTSIDE FACE OF LEG 1, 9' FROM BENT 1.



Bent 1 Cap 1: 2' X 11" PATCHED AREA, WEST FACE, BELOW SLABS 4 AND 5.



Span 1 Slab 7: 6" X 2" X 1" PATCHED AREA ALONG BOTTOM INSIDE FACE OF LEG 2, AT END BENT 1.



Span 1 Slab 7: 8" X 3" X 1" SPALL, INSIDE FACE OF LEG 2, AT BENT 1.



Span 1 Slab 10: 7" X 3" X 1" SPALL, INSIDE FACE OF LEG 2, AT END BENT 1.



End Bent 1 Pile 6: 8" DEEP DECAY ALONG BASE OF PILE. (PM)



End Bent 1 Pile 6: 8" DEEP DECAY ALONG BASE OF PILE. (PM)



End Bent 1 Pile 3: 5" DEEP AREA OF DECAY, SOUTH SIDE OF PILE, BEGINNING AT GROUND. (PM)



End Bent 1 Pile 3: 5" DEEP AREA OF DECAY, SOUTH SIDE OF PILE, BEGINNING AT GROUND. (PM)



Bent 1 Pile 1: TEMPORARY REPAIR, STEEL CROSS CAP CRUTCH BENT.



Bent 1 Pile 6: 5' OF DECAY WITH 2' X 3" HOLE, SOUTHEAST FACE OF PILE WITH 1" SHELL REMAINING. (PM)



Bent 1 Pile 6: 5' OF DECAY WITH 2' X 3" HOLE, SOUTHEAST FACE OF PILE WITH 1" SHELL REMAINING. (PM)



Bent 1 Pile 6: 5' OF DECAY WITH 2' X 3" HOLE, SOUTHEAST FACE OF PILE WITH 1" SHELL REMAINING. (PM)



End Bent 2 Pile 1: 30" OF COMPLETE DECAY OF PILE WITH BULGING. (PM)



End Bent 2 Pile 1: 30" OF COMPLETE DECAY OF PILE WITH BULGING. (PM)



End Bent 2 Pile 4: 2' OF DECAY, 3" WIDE X 5" DEEP, ALONG NORTH FACE. (PM)



End Bent 2 Pile 4: 2' OF DECAY, 3" WIDE X 5" DEEP, ALONG NORTH FACE. (PM)



End Bent 2 Pile 4: 2' OF DECAY, 3" WIDE X 5" DEEP, ALONG NORTH FACE. (PM)



End Bent 2 Pile 5: 1' OF DECAY, 2" WIDE X 4" DEEP, ALONG NORTH FACE. (PM)



End Bent 2 Pile 5: 1' OF DECAY, 2" WIDE X 4" DEEP, ALONG NORTH FACE. (PM)



Span 3 Slab 1: 7" X 4" X 1" SPALL, OUTSIDE FACE OF LEG 1, 10' FROM BENT 2.



Span 3 Slab 7: 14" X 2" X 2-1/2" SPALL WITH EXPOSED REINFORCING, BOTTOM OF LEG 2, 10' FROM END BENT 2. (PM)



Span 3 Slab 7: 32" PATCHED AREA, BOTTOM OF LEG 2, 5' FROM END BENT 2.



Span 3 Slab 7: 32" PATCHED AREA, BOTTOM OF LEG 2, 5' FROM END BENT 2.



Span 3 Slab 9: 16" X 2" X 2" DELAMINATION, BOTTOM OF LEG 2, 7' FROM END BENT 2.



Bent 2 Pile 6: 12" X 3" X 2" AREA OF DECAY, WEST FACE, 4' BELOW CAP. (PM)



Bent 2 Pile 7: 5' OF DECAY AND HOLLOW SOUNDING ALONG NORTH FACE, BEGINNING 2' BELOW CAP. (PM)



Bent 2 Pile 7: 5' OF DECAY AND HOLLOW SOUNDING ALONG NORTH FACE, BEGINNING 2' BELOW CAP. (PM)



Bent 2 Pile 7: 5' OF DECAY AND HOLLOW SOUNDING ALONG NORTH FACE, BEGINNING 2' BELOW CAP. (PM)



Bent 2 Pile 2: 12" X 5" X 4" AREA OF DECAY BELOW CROSS BRACE, BEGINNING 4' BELOW CAP. (PM)



Bent 2 Pile 2: 12" X 5" X 4" AREA OF DECAY BELOW CROSS BRACE, BEGINNING 4' BELOW CAP. (PM)



Span 2 Slab 1: (11) 2" X UP TO 10" X 1/4" SPALLS WITH EXPOSED REINFORCING, AT RANDOM ALONG UNDERSIDE OF TOP SLAB.



Span 2 Slab 2: 8" X 4" X 2" PATCHED AREA, BOTTOM OF LEG 2, AT BENT 1.



Span 2 Slab 3: 18" HORIZONTAL CRACK UP TO 1/16", UNDERSIDE OF LEG 2, 5' FROM BENT 1.



Superstructure: POST TENSIONING CABLE SHOT OUT NORTH SIDE, CENTER OF SPAN 2. (PM)



Superstructure: POST TENSIONING CABLE SHOT OUT NORTH SIDE, CENTER OF SPAN 2. (PM)



Span 2 Slab 10: 4' HORIZONTAL CRACK UP TO 1/8", UNDERSIDE OF LEG 1, BEGINNING AT BENT 1.



Span 2 Slab 10: 4' HORIZONTAL CRACK UP TO 1/8", UNDERSIDE OF LEG 1, BEGINNING AT BENT 1.



Span 2 Slab 12: 16" X 8" PATCHED AREA, INSIDE FACE OF LEG 1, AT BENT 1.



LOOKING EAST



WEST APPROACH, LOOKING EAST



NORTHWEST GUARDRAIL TERMINAL



SOUTHWEST GUARDRAIL TERMINAL



SOUTHWEST GUARDRAIL



NORTHWEST GUARDRAIL



SOUTHWEST GUARDRAIL ATTACHMENT



NORTHWEST GUARDRAIL ATTACHMENT



NORTH BRIDGE RAIL



SOUTH BRIDGE RAIL



UPSTREAM VIEW FROM BRIDGE DECK, LOOKING NORTH



DOWNSTREAM VIEW FROM BRIDGE DECK, LOOKING SOUTH



NORTHEAST GUARDRAIL ATTACHMENT



SOUTHEAST GUARDRAIL ATTACHMENT



NORTHEAST GUARDRAIL



SOUTHEAST GUARDRAIL



SOUTHEAST GUARDRAIL TERMINAL



NORTHEAST GUARDRAIL TERMINAL



EAST APPROACH, LOOKING WEST



BRIDGE POSTING



ASPHALT WEARING SURFACE, SPAN 1, LOOKING EAST



CRACK IN ASPHALT WEARING SURFACE OVER END BENT 1, LOOKING SOUTH



CRACK IN ASPHALT WEARING SURFACE OVER BENT 1, LOOKING SOUTH



CRACK IN ASPHALT WEARING SURFACE OVER BENT 2, LOOKING SOUTH



CRACK IN ASPHALT WEARING SURFACE OVER END BENT 2, LOOKING SOUTH



END BENT 1 ELEVATION, LOOKING WEST



END BENT 1 SLOPE PROTECTION, LOOKING WEST



SOUTHWEST WINGWALL



NORTHWEST WINGWALL



BENT 1 ELEVATION, LOOKING EAST



SUPERSTRUCTURE UNDERSIDE, SPAN 1, LOOKING EAST



BENT 2 ELEVATION, LOOKING EAST



DOWNSTREAM PROFILE, LOOKING NORTH



UPSTREAM PROFILE, LOOKING SOUTH



END BENT 2 ELEVATION, LOOKING EAST



SOUTHEAST WINGWALL



NORTHEAST WINGWALL

Stream Bed Soundings

(Profile diagram on following sheet)

County **CUMBERLAND**

Structure Number: **250211**

Inspection Date **01/08/2018**

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

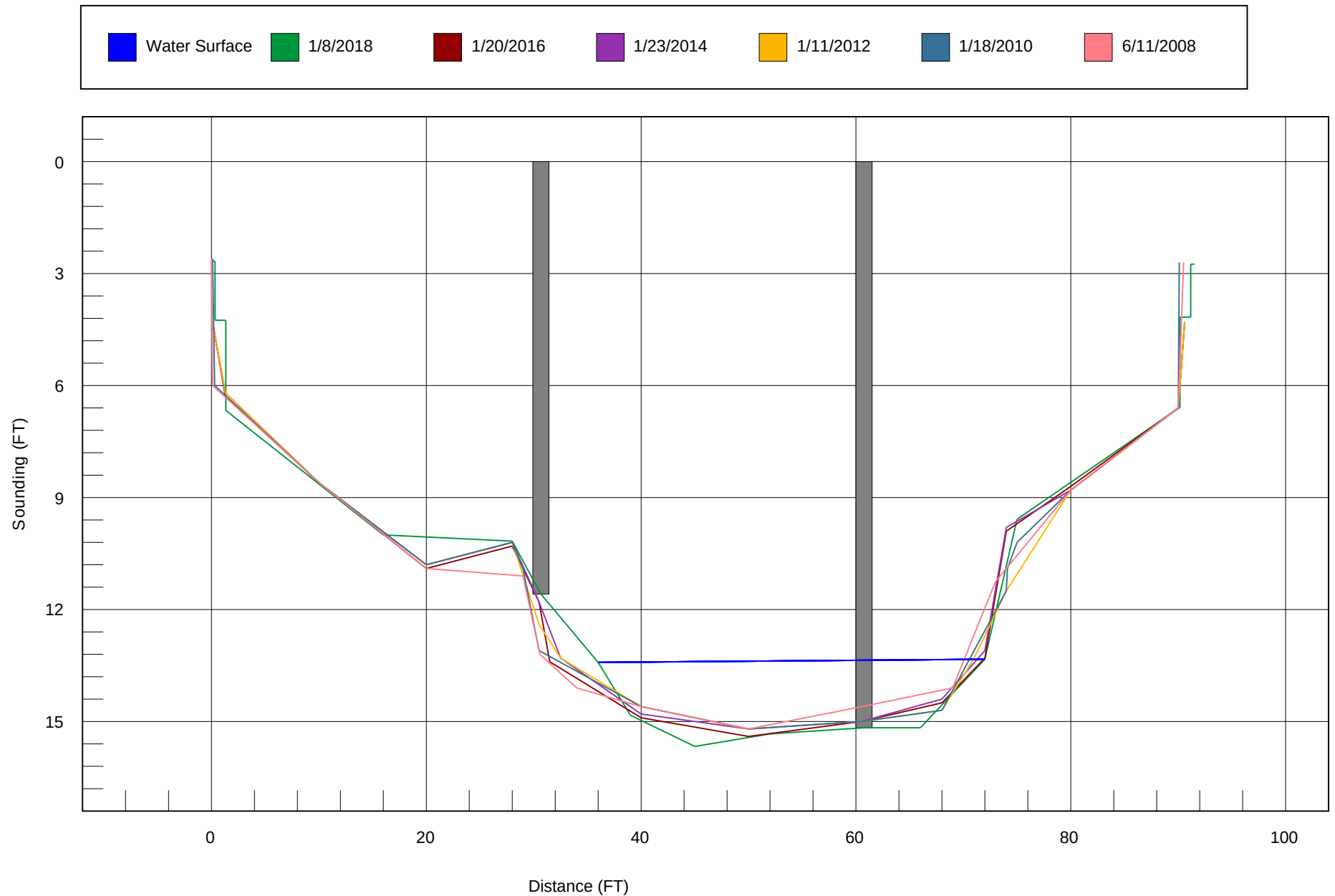
Highwater Mark Distance **6**

Location of Highwater Mark **DRIFT ON BANK**

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.667	0.000	FILL FACE
0.333	2.667	0.000	
0.334	4.250	0.000	TOP OF CAP
1.333	4.250	0.000	
1.334	6.667	6.833	
16.000	10.000	0.000	
28.000	10.167	0.000	
30.667	11.583	13.667	BENT 1
36.000	13.417	0.000	WSWE
39.000	14.833	0.000	
45.000	15.667	0.000	
52.000	15.333	0.000	
60.750	15.167	14.667	BENT 2
66.000	15.167	0.000	
72.000	13.333	0.000	WSWE
75.000	9.583	0.000	
90.165	6.583	6.583	
90.166	4.167	0.000	
91.166	4.167	0.000	TOP OF CAP
91.167	2.750	0.000	
91.500	2.750	0.000	FILL FACE

STREAMBED PROFILE (Downstream)

Top of Rail = 0FT (Sounding)

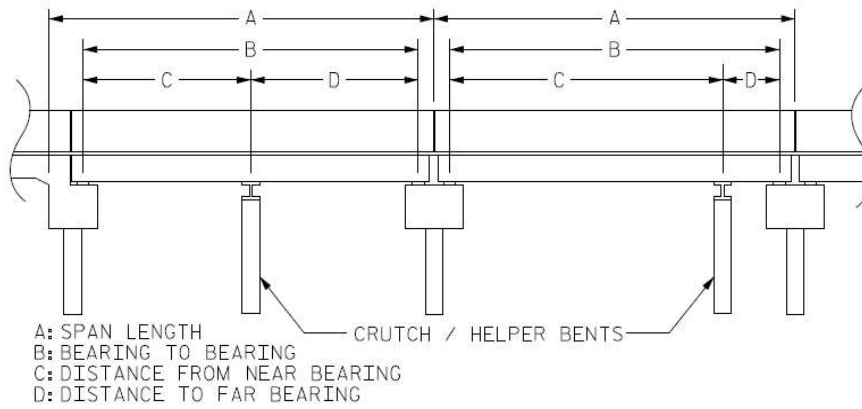


Structure Data Worksheet

Span Profile

County: **CUMBERLAN**
D

Structure Number: **250211**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	30.667	0.000			
2	30.083	0.000			
3	30.750	0.000			