NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINTENANCES ISSUED, TEMPORARY REPAIRS/SHORED PILES, MODIFIED SUPERSTRUCTURE AND SUBSTRUCTURE SKETCHES

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: HARNETT **STRUCTURE NUMBER:** 420134 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: SR1722 **MILE POST:**

LOCATION: 0.4 MI. W. JCT. SR1715

FEATURE INTERSECTED: BLACK RIVER OVERFLOW

LATITUDE: 35° 20' 51.46" **LONGITUDE:** 78° 37' 33.32"

SUPERSTRUCTURE: RC DECK ON TIMBER JOISTS,STD.BMD-10

SUBSTRUCTURE: EBTS&IBTS:TIM CAP/TIM.PILES@VAR.CTS/CRTCH PL@BT2

SPANS: 1@18'3;1@17';1@18'3

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

PRESENT CONDITION: Fair **INSPECTION DATE:** 06/22/2016

POSTED SV: 16 **POSTED TTST:** 23

OTHER SIGNS PRESENT: NONE



WEST APPROACH LOOKING EAST

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

INSPECTED BY	SIGNATURE	ASSISTED BY
MARK WADE	M S Wade	RAFAEL ASENCIO

Structure Element Scoring

Structure Number: **420134**

Inspection Date **6/22/2016**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	1359	1359	0	0	0
111	0	Timber Open Girder/Beam	Beam	1121	128	0	989	4
216	0	Timber Abutment	Abutments	64	5	0	59	0
225	0	Steel Pile	Piles and Columns	4	0	3	1	0
515	225	Steel Protective Coating	Piles and Columns	380	361	0	0	19
228	0	Timber Pile	Piles and Columns	16	3	2	7	4
235	0	Timber Pier Cap	Caps	108	15	0	93	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	112	112	0	0	0
510	0	Wearing Surface	Wearing Surfaces	1286	1148	0	138	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **420134** Inspection Date: **06/22/2016**

MMS Code	Element Name	Defect Name	Recommended Quantity
3304	Timber Open Girder/Beam	Decay/Section Loss	4 Feet
3304	Timber Open Girder/Beam	Crack (Timber)	989 Feet
3346	Timber Abutment	Decay/Section Loss	3 Feet
3346	Timber Abutment	Crack (Timber)	56 Feet
3354	Steel Pile	Corrosion	4 Each
3344	Timber Pile	Decay/Section Loss	19 Each
3344	Timber Pile	Crack (Timber)	63 Each
3344	Timber Pile	Split/Delamination (Timber)	2 Each
3344	Timber Pier Cap	Crack (Timber)	93 Feet
2816	Wearing Surface	Crack (Wearing Surface)	138 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	19 Square Feet

Element Structure Maintenance Quantities

Structure Number: **420134** Inspection Date **06/22/2016**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3346	Maintenance of Timber Bulkheads or Wingwalls	59	64	0	59	0	5
Beam	3304	Maintenance of Timber of Superstructure Component	993	1121	4	989	0	128
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	0	112	0	0	0	112
Caps	3344	Maintenance To Timber Substrcutre	93	108	0	93	0	15
Deck	3326	Maintenance of Concrete Deck	0	1359	0	0	0	1359
Piles and Columns	3342	Clean and Paint Steel	19	380	19	0	0	361
Piles and Columns	3344	Maintenance To Timber Substrcutre	84	16	4	7	2	3
Piles and Columns	3354	Maintenance of Steel Substructure Components	4	4	0	1	3	0
Wearing Surfaces	2816	Asphalt Surface Repair	138	1286	0	138	0	1148

Element Condition and Maintenance Data

Structure Number: **420134** Inspection Date: **06/22/2016**

Span 1 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	438	396	0	42	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	SPAN 1 ASPHALT WEARING SURFACE HAS A 15 FT. LONG X 1/16 IN. WIDE LONGITUDIANL CRACK AT CENTER LINE OF WEST BOUND LANE, TOTAL OF 20 SQ. FT. THRU OUT SPAN	3	20	20	Square Feet
510	Crack (Wearing Surface)	SPAN 1 ASPHALT WEARING SURFACE HAS A 22 FT. LONG X 1/8 IN. WIDE TRANSVERSE CRACK AT END BENT 1	3	22	22	Square Feet

General Comments

Span 1 — Beam 1

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 1 HAS HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 1 — Beam 2

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	3	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 2 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 1 — Beam 3

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 3 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 1 Beam 4

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	3	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 4 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 1 Beam 5

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 5 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 1 Beam 6

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	1	0	19	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 6 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	19	19	Feet

General Comments

Span 1 Beam 7

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 7 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 1 Beam 8

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	3	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

111	Crack (Timber)	SPAN 1, JOIST 8 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 1 Beam 9

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 9 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 1 Beam 10

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	3	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 10 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 1 Beam 11

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 11 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 1 Beam 12

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	3	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 12 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 1 Beam 13

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	4	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 13 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	Feet

General Comments

Span 1 Beam 14

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 14 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 1 Beam 15

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	3	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 15 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 1 Beam 16

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	4	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 16 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	Feet

General Comments

Span 1 Beam 17

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

111	Crack (Timber)	SPAN 1, JOIST 17 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 1 — Beam 18

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	3	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 18 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 1 — Beam 19

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	4	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 19 HAS HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	410	372	0	38	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	SPAN 2 ASPHALT WEARING SURFACE HAS A 22 FT. LONG X 1/8 IN. WIDE TRANSVERSE CRACK AT BENT 1	3	22	22	Square Feet
510	Crack (Wearing Surface)	SPAN 2, ASPHALT WEARING SURFACE HAS A 6 FT. LONG X 1/16 IN. WIDE LONGITUDINAL CRACK, 4 FT. FROM THE LEFT CURB, NEAR BENT 2, TOTAL OF 16 SQ. FT. THRU OUT SPAN	3	16	16	Square Feet

General Comments

Span 2 — Beam 1

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 1 HAS HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 2 Beam 2

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 2 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 2 Beam 3

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 3 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 2 Beam 4

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 4 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 2 Beam 5

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 5 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 2 Beam 6

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	3	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

111	Crack (Timber)	SPAN 2, JOIST 6 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	Feet

General Comments

Span 2 Beam 7

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 7 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 2 Beam 8

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	3	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 8 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	Feet

General Comments

Span 2 Beam 9

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 9 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 2 Beam 10

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 10 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 2 Beam 11

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 11 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 2 Beam 12

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	3	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 12 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	Feet

General Comments

Span 2 Beam 13

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 13 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 2 Beam 14

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 14 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 2 Beam 15

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

111	Crack (Timber)	SPAN 2, JOIST 15 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 2 Beam 16

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 16 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 2 Beam 17

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 17 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 2 Beam 18

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 18 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 2 Beam 19

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 19 HAS HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	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	438	380	0	58	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	SPAN 3, ASPHALT WEARING SURFACE HAS A 22 FT. LONG X 1/8 IN. WIDE TRANSVERSE CRACK AT BENT 2, TOTAL OF 44 SQ. FT. THRU OUT SPAN	3	44	44	Square Feet
510	Crack (Wearing Surface)	SPAN 3, ASPHALT WEARING SURFACE HAS A 6 FT. LONG X 1/16 IN. WIDE LONGITUDINAL CRACK, 6 FT. FROM THE LEFT CURB, NEAR MID-SPAN, TOTAL OF 14 SQ. FT. THRU OUT SPAN	3	14	14	Square Feet

General Comments

Span 3 — Beam 1

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	1	0	19	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 1 HAS HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	19	19	Feet

General Comments

Span 3 — Beam 2

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	6	0	10	4	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Decay/Section Loss	SPAN 3, JOIST 2 HAS A AREA OF DECAY AT END BENT 2 CAP, 43 IN. LONG X 5-3/4 IN. WIDE X 7 IN. DEEP, STARTING AT END OF JOIST	4	4	4	Feet
111	Crack (Timber)	SPAN 3, JOIST 2 HAS HAIRLINE. TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	10	10	Feet

General Comments

Span 3 — Beam 3

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 3 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 3 Beam 4

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 4 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 3 Beam 5

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	3	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 5 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 3 Beam 6

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 6 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 3 Beam 7

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	3	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 7 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 3 Beam 8

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

111	Crack (Timber)	SPAN 3, JOIST 8 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 3 Beam 9

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	3	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 9 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 3 Beam 10

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 10 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 3 Beam 11

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 11 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 3 Beam 12

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	4	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 12 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	Feet

General Comments

Span 3 Beam 13

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 13 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 3 Beam 14

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	3	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 14 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 3 Beam 15

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 15 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 3 Beam 16

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	3	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 16 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	Feet

General Comments

Span 3 Beam 17

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	2	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

111	Crack (Timber)	SPAN 3, JOIST 17 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	Feet

General Comments

Span 3 — Beam 18

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	1	0	19	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 18 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	19	19	Feet

General Comments

Span 3 — Beam 19

Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
111	Timber Open Girder/Beam	20	1	0	19	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 19 HAS HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	19	19	Feet

General Comments

End Bent 1 — Timber Pier Cap 1

Timber Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
235	Timber Pier Cap	27	3	0	24	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Crack (Timber)	END BENT 1 CAP HAS HAIRLINE TO 1/18 IN. WIDE LONGITUDINAL CRACKING BETWEEN PILES 3 AND 4, TOTAL OF 24 FT.	3	24	24	Feet

General Comments

End Bent 1 — Timber Pile 4

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	Crack (Timber)	PILE 4 AT END BENT 1 HAS HAIRLINE. TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	1	4	Each

General Comments

Bent 1 — Timber Pier Cap 1

Timber Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
235	Timber Pier Cap	27	7	0	20	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Crack (Timber)	BENT 1, TIMBER CAP HAS HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	20	20	Feet

General Comments

Bent 1 — Timber 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	BENT 1, PIE 1 HAS A AREA OF DECAY, 40 IN. FROM BOTTOM OF CAP, 36 IN. HIGH FULL CIRCUMFERENCE WITH A 2 IN. DIAMETER CORE REMAINING	4	1	3	Each
228	Crack (Timber)	BENT 1, PILE 1 HAS HAIRLINE TO 1/16 IN WIDE LONGITUDINAL CRACKING	3		5	Each
228	Decay/Section Loss	BENT 1, PILE 1, TOP 15 INCHES OF PILE IS MISSING 60 PERCENT OF SECTION	3		2	Each

General Comments

Bent 1 — Steel Cross Cap Crutch Pile 2

Steel Cross Cap Crutch 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	95	91	0	0	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	BENT 1, STEEL PILE 2 HAS 4 FT. OF SURFACE RUST ON CROSS CAP AND PILES	2	1		Each
515	Effectiveness (Steel Protective Coatings)	BENT 1. STEEL PILE 2, AND CROSS CAP, PROTECTIVE COATING HAS LOST EFFECTIVENESS DUE TO RUST	4	4	4	Square Feet

General Comments

Bent 1 — Timber 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	BENT 1, PILE 3 HAS AREA OF DECAY IN THE WEST FACE, STARTING 43 IN. BELOW CAP, 36 IN. HIGH X 10 IN. WIDE X 3 IN. DEEP	4	1	3	Each
228	Crack (Timber)	BENT 1, PILE 4 HAS HAIRLINE TO 1/16 IN WIDE LONGITUDINAL CRACKING	3		5	Each

General Comments

Bent 1 — Steel Cross Cap Crutch Pile 4

Steel Cross Cap Crutch 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	95	88	0	0	7	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	BENT 1, STEEL PILE HAS 7 FT. OF SURFACE RUST ON CROSS CAP AND PILES	2	1		Each
515	Effectiveness (Steel Protective Coatings)	BENT 1. STEEL PILE 4, AND CROSS CAP, PROTECTIVE COATING HAS LOST EFFECTIVENESS DUE TO RUST	4	7	7	Square Feet

General Comments

Bent 1 — Timber 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	BENT 1, PILE 5 HAS AREA OF DECAY IN THE EAST FACE, STARTS 46 IN. FROM BOTTOM OF CAP, 34 IN. HIGH X 8 IN. WIDE X 2 IN. DEEP	4	1	3	Each
228	Crack (Timber)	BENT 1, PILE 5 HAS HAIRLINE TO 1/16 IN WIDE LONGITUDINAL CRACKING	3		5	Each
228	Decay/Section Loss	BENT 1, PILE 5, TOP 14 INCHES OF PILE IS MISSING 30 PERCENT OF SECTION	3		1	Each

General Comments

Bent 1 — Steel Cross Cap Crutch Pile 6

Steel Cross Cap Crutch 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	95	91	0	0	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	BENT 1, STEEL PILE 6 HAS 4 FT. OF 1/16 IN. SECTION LOSS ON CROSS CAP AND PILES	3	1	4	Each
515	Effectiveness (Steel Protective Coatings)	BENT 1. STEEL PILE 6, AND CROSS CAP, PROTECTIVE COATING HAS LOST EFFECTIVENESS DUE TO RUST	4	4	4	Square Feet

General Comments

Bent 1 — Timber Pile 7

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	Crack (Timber)	BENT 1, PILE 7 HAS HAIRLINE TO 1/16 IN WIDE LONGITUDINAL CRACKING	3	2	Each
228	Decay/Section Loss	BENT 1, PILE 7 HAS DECAY 8 IN. HIGH IN THE RIGHT SIDE ABOVE CONCRETE COLLAR, PILE IS HOLLOW WITH 2 IN. SHELL	3	1	Each

General Comments

End Bent 1 — Timber Abutment 1

Timber Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
216	Timber Abutment	32	1	0	31	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
216	Crack (Timber)	END BENT 1 TIMBER ABUTMENT HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	28	28	Feet
216	Decay/Section Loss	END BENT 1, TIMBER ABUTMENT HAS A AREA OF DECAY IN THE RIGHT SIDE, 1 IN. DEEP X 1 FT. WIDE	3	1	1	Feet
216	Decay/Section Loss	END BENT 1, TIMBER ABUTMENT HAS AREA OF DECAY IN THE LEFT SDE, 2 FT. LONG X 2 IN. DEEP	3	2	2	Feet

General Comments

End Bent 2 — Timber Pier Cap 1

Timber Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
235	Timber Pier Cap	27	2	0	25	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Crack (Timber)	END BENT 2, TIMBER CAP HAS HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	25	25	Feet

General Comments

End Bent 2 — Timber Pile 1

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	Crack (Timber)	PILE 1 AT END BENT 1 HAS HAIRLINE. TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	1	5	Each

General Comments

End Bent 2 — Timber Pile 2

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	Split/Delamination (Timber)	END BENT 2, PILE 2 HAS AREA OF DELAMINATION NEAR THE GROUNDLINE, IN THE WEST FACE, 21 IN. HIGH X 10 IN. WIDE, WITH 1/16 IN. WIDE TRANSVERSE CRACKING	4	1	2	Each

228	Crack (Timber)	PILE 2 AT END BENT 2 HAS HAIRLINE. TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	6	Each

General Comments

End Bent 2 — Timber Pile 3

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	Crack (Timber)	PILE 3 AT END BENT 2 HAS HAIRLINE. TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	1	3	Each

General Comments

End Bent 2 — Timber Pile 4

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	Crack (Timber)	PILE 4 AT END BENT 2 HAS HAIRLINE. TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	1	3	Each

General Comments

Bent 2 — Timber Pier Cap 1

Timber Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
235	Timber Pier Cap	27	3	0	24	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Crack (Timber)	BENT 2, TIMBER CAP HAS HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	24	24	Feet

General Comments

Bent 2 — Timber 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	Crack (Timber)	BENT 2, PILE 1 HAS HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3		8	Each
228	Decay/Section Loss	BENT 2, PILE 1 HAS DECAY IN THE EAST FACE, 64 IN. BELOW BOTTOM OF CAP, 22 IN. HIGH X 9 IN. WIDE X 1 IN. DEEP	2	1	2	Each

General Comments

Bent 2 — Timber 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	Crack (Timber)	BENT 2, PILE 2 HAS HAIRLINE TO 1/16 IN WIDE LONGITUDINAL CRACKING	3		4	Each
228	Decay/Section Loss	BENT 2, PILE 2 HAS AREA OF DECAY IN THE WEST FACE, 5 IN. HIGH X 1 IN. WIDE X 2.5 IN. DEEP, BELOW CONCRETE COLLAR	2	1	1	Each

General Comments

Bent 2 — Timber Pile 3

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	Crack (Timber)	BENT 2, PILE 3 HAS HAIRLINE TO 1/16 IN WIDE LONGITUDINAL CRACKING	3	1	8	Each

General Comments

Bent 2 — Steel Cross Cap Crutch Pile 4

Steel Cross Cap Crutch 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	95	91	0	0	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	BENT 2, STEEL PILE 4 HAS 4 FT. OF SURFACE RUST ON CROSS CAP AND PILES	2	1		Each
515	Effectiveness (Steel Protective Coatings)	BENT 2. STEEL PILE 4, AND CROSS CAP, PROTECTIVE COATING HAS LOST EFFECTIVENESS DUE TO RUST	4	4	4	Square Feet

General Comments

Bent 2 — Timber Pile 5

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	Crack (Timber)	BENT 2, PILE 5 HAS HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3		5	Each
228	Decay/Section Loss	BENT 2, PILE 5 HAS AREA OF DECAY IN THE RIGHT SIDE STARING 36 IN. BELOW BOTTOM OF CAP, 53 IN. HIGH X 8 IN. WIDE X 5 IN. DEEP	3	1	4	Each

General Comments

End Bent 2 — Timber Abutment 1

Timber Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
216	Timber Abutment	32	4	0	28	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
216	Crack (Timber)	END BENT 2 TIMBER ABUTMENT HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	28	28	Feet

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	463
Span 1	Beam 1	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 2	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 3	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 4	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 5	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 6	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 7	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 8	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 9	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 10	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 11	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 12	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 13	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 14	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 15	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 16	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 17	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 18	Timber Joist	Timber Open Girder/Beam	20
Span 1	Beam 19	Timber Joist	Timber Open Girder/Beam	20
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	19
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	19
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	438
Bent 1		Timber Pier Cap	Timber Pier Cap	27
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Steel Cross Cap Crutch Pile	Steel Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Steel Cross Cap Crutch Pile	Steel Pile	1
Bent 1		Steel Cross Cap Crutch Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Steel Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Steel Cross Cap Crutch Pile	Steel Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Abutment	Timber Abutment	32
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	433
Span 2	Beam 1	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 2	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 3	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 4	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 5	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 6	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 7	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 8	Timber Joist	Timber Open Girder/Beam	19

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 2	Beam 9	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 10	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 11	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 12	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 13	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 14	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 15	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 16	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 17	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 18	Timber Joist	Timber Open Girder/Beam	19
Span 2	Beam 19	Timber Joist	Timber Open Girder/Beam	19
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	18
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	18
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	410
Bent 2		Timber Pier Cap	Timber Pier Cap	27
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Steel Cross Cap Crutch Pile	Steel Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Timber Abutment	Timber Abutment	32
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	463
Span 3	Beam 1	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 2	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 3	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 4	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 5	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 6	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 7	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 8	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 9	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 10	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 11	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 12	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 13	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 14	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 15	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 16	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 17	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 18	Timber Joist	Timber Open Girder/Beam	20
Span 3	Beam 19	Timber Joist	Timber Open Girder/Beam	20
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	19
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	19
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	438

National Bridge and NC Inspection Items

Structure Number: 420134 **Inspection Date:** 06/22/2016

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	**6**
Item 61: Channel and Channel Protection	0 - 9 , N	**7**
Item 62: Culvert	0 - 9 , N	**N**
Item 71: Waterway Adequacy	0 - 9 , N	**7**
Item 72: Approach Roadway Alignment	0 - 9 , N	**8**

Note: 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**	**1283**	**3376**
Drainage System	G, F, P, or C	**F**	**107**	**3332**
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C			
Scour	G, F, P, or C	**G**		
Wingwall	G, F, P, or C	**F**	**3**	**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	**8**		

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

Inspection Information

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	**N**
Priority Maintenance Request Submitted	YES/NO	**Y**
Inspection Time	Hours	**21**
Traffic Control Time	Hours	**0**
Snooper Time	Hours	**0**
Ladder Used	YES/NO	**Y**
Bucket Truck Used	YES/NO	**N**
Boat Used	YES/NO	**N**
Other Equipment Used	YES/NO	**N**

National Bridge and NC SMU Inspection Item Details

Structure Number: 420134 **Inspection Date:** 06/22/2016

Item	Deck - Item 58	**Grade**	6	**Maint Code**		**Qty.**	0
Details	GRADED 6 , DUE TO AGE.						

Item	Superstructure - Item 59	**Grade**	6	**Maint Code**		**Qty.**	0
Details	SPAN 3, JOIST 2 , AT END BENT 2, HAS DECAY IN BOTTOM AND ISSUED PRIORITY MAINTENANCE.						
	TIMBER JOISTS HAVE HAIRLINE TO 1/8 INCH WIDE LONGITUDINAL CRACKING.						

Item	Substructure - Item 60	**Grade**	6	**Maint Code**		**Qty.**	0
Details	TIMBER PILES HAVE AREAS OF DECAY.						
	STEEL SUPPLEMENT PILES HAVE SURFACE RUST TO 1/16 INCH SECTION LOSS.						

Item	Approach Roadway Alignment - Item 72	**Grade**	8	**Maint Code**		**Qty.**	0
Details	SPEED LIMIT 55 MPH						

Item	Deck Debris	**Grade**	F	**Maint Code**	3376	**Qty.**	1283
Details	DECK BEBRIS ON BOTH SIDES OF DECK UP TO 3 IN. DEEP X 1 FT. WIDE						

Item	Drainage System	**Grade**	F	**Maint Code**	3332	**Qty.**	107
Details	DEBRIS AT CURBLINES.						

Item	Wingwalls	**Grade**	F	**Maint Code**	3350	**Qty.**	3
Details	END BENT 1, RIGHT WINGWALL, ONE BOARD HAS DECAY THAT IS 3 FT. LONG X 8 IN. WIDE WITH FILL SPILLAGE.						



Span 1 Wearing Surface: SPAN 1 ASPHALT WEARING SURFACE HAS A 22 FT. LONG X 1/8 IN. WIDE TRANSVERSE CRACK AT END BENT 1



Span 1 Wearing Surface: SPAN 1 ASPHALT WEARING SURFACE HAS A 15 FT. LONG X 1/16 IN. WIDE LONGITUDINAL CRACK AT CENTER LINE OF WEST BOUND LANE, TOTAL OF 20 SQ. FT. THRU OUT SPAN



Span 2 Wearing Surface: SPAN 2 ASPHALT WEARING SURFACE HAS A 22 FT. LONG X 1/8 IN. WIDE TRANSVERSE CRACK AT BENT 1



Span 2 Wearing Surface: SPAN 2, ASPHALT WEARING SURFACE HAS A 6 FT. LONG X 1/16 IN. WIDE LONGITUDINAL CRACK, 4 FT. FROM THE LEFT CURB, NEAR BENT 2, TOTAL OF 16 SQ. FT. THRU OUT SPAN



Span 3 Wearing Surface: SPAN 3, ASPHALT WEARING SURFACE HAS A 22 FT. LONG X 1/8 IN. WIDE TRANSVERSE CRACK AT BENT 2, TOTAL OF 44 SQ. FT. THRU OUT SPAN



Span 3 Wearing Surface: SPAN 3, ASPHALT WEARING SURFACE HAS A 6 FT. LONG X 1/16 IN. WIDE LONGITUDINAL CRACK, 6 FT. FROM THE LEFT CURB, NEAR MID-SPAN, TOTAL OF 14 SQ. FT. THRU OUT SPAN



APPROACH GUARD RAIL SPACER BLOCK MISSING AT SOUTH EAST CORNER, 40 FT. FROM END OF BRIDGE



ASPHALT WEARING SURFACE APPROACH AT END BENT 1 HAS 10 SQ. FT. OF 1/8 INCH WIDE LONGITUDINAL CRACKING



Span 1 Beam 19: SPAN 1, JOIST 1 HAS HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING



Bent 1 Cap 1: END BENT 1 CAP HAS HAIRLINE TO 1/18 IN. WIDE LONGITUDINAL CRACKING BETWEEN PILES 3 AND 4, TOTAL OF 24 FT.



End Bent 1 Abutment/Backwall : END BENT 1, TIMBER ABUTMENT HAS A AREA OF DECAY IN THE RIGHT SIDE, 1 IN. DEEP X 1 FT. WIDE



End Bent 1 Abutment/Backwall : END BENT 1, TIMBER ABUTMENT HAS AREA OF DECAY IN THE LEFT SIDE, 2 FT. LONG X 2 IN. DEEP



Span 3 Beam 2: SPAN 3, JOIST 2 HAS A AREA OF DECAY AT END BENT 2 CAP, 43 IN. LONG X 5-3/4 IN. WIDE X 7 IN. DEEP, STARTING AT END OF JOIST



Bent 1 Pile 1: BENT 1, PIE 1 HAS A AREA OF DECAY, 40 IN. FROM BOTTOM OF CAP, 36 IN. HIGH FULL CIRCUMFERENCE WITH A 2 IN. DIAMETER CORE REMAINING



Bent 1 Pile 1: BENT 1, PILE 1, TOP 15 INCHES OF PILE IS MISSING 60 PERCENT OF SECTION



Bent 1 Pile 2: BENT 1, STEEL PILE 2 HAS 4 FT. OF SURFACE RUST ON CROSS CAP AND PILES



Bent 1 Pile 3: BENT 1, PILE 3 HAS AREA OF DECAY IN THE WEST FACE, STARTING 43 IN. BELOW CAP, 36 IN. HIGH X 10 IN. WIDE X 3 IN. DEEP



Bent 1 Pile 4: BENT 1, STEEL PILE HAS 7 FT. OF SURFACE RUST ON CROSS CAP AND PILES



Bent 1 Pile 5: BENT 1, PILE 5 HAS AREA OF DECAY IN THE EAST FACE, STARTS 46 IN. FROM BOTTOM OF CAP, 34 IN. HIGH X 8 IN. WIDE X 2 IN. DEEP



Bent 1 Pile 5: BENT 1, PILE 5, TOP 14 INCHES OF PILE IS MISSING 30 PERCENT OF SECTION



Bent 1 Pile 6: BENT 1, STEEL PILE 6 HAS 4 FT. OF 1/16 IN. SECTION LOSS ON CROSS CAP AND PILES



Bent 1 Pile 7: BENT 1, PILE 7 HAS DECAY 8 IN. HIGH IN THE RIGHT SIDE ABOVE CONCRETE COLLAR, PILE IS HOLLOW WITH 2 IN. SHELL



Bent 2 Pile 1: BENT 2, PILE 1 HAS DECAY IN THE EAST FACE, 64 IN. BELOW BOTTOM OF CAP, 22 IN. HIGH X 9 IN. WIDE X 1 IN. DEEP



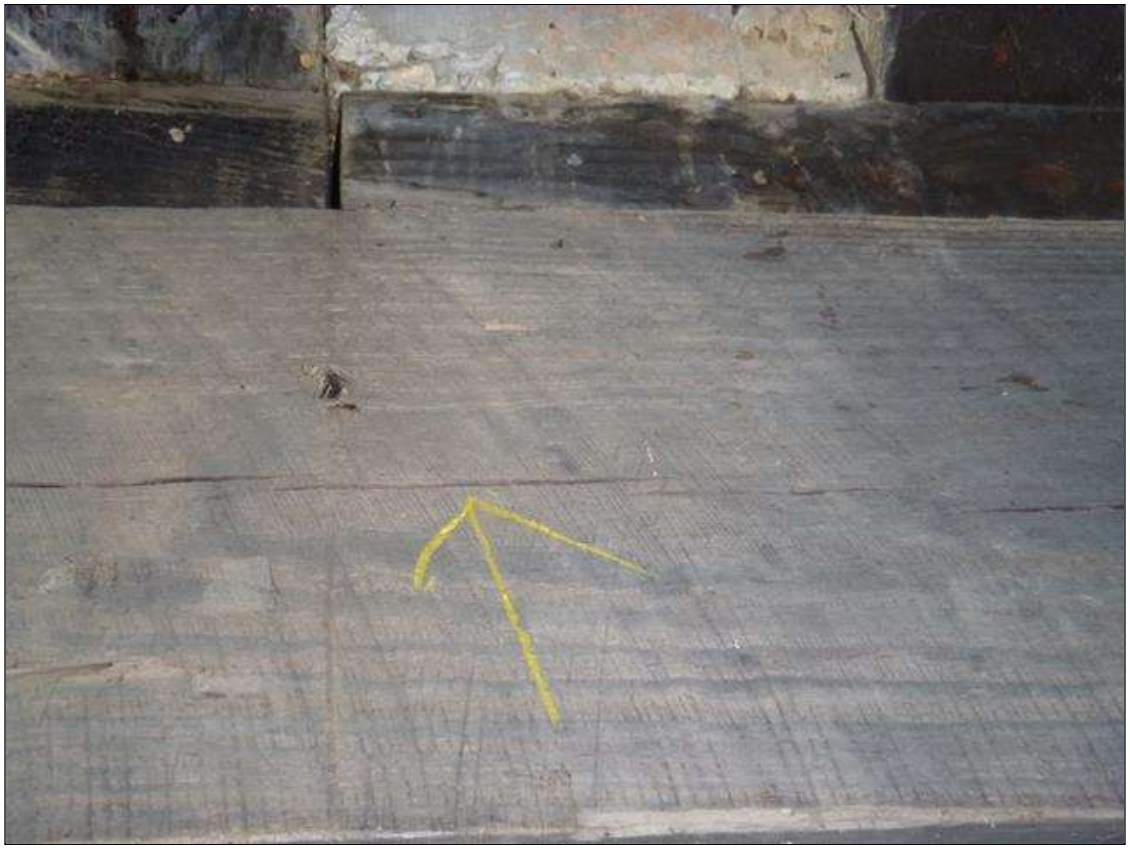
Bent 2 Pile 2: BENT 2, PILE 2 HAS AREA OF DECAY IN THE WEST FACE, 5 IN. HIGH X 1 IN. WIDE X 2.5 IN. DEEP, BELOW CONCRETE COLLAR



Bent 2 Pile 4: BENT 2, STEEL PILE 4 HAS 4 FT. OF SURFACE RUST ON CROSS CAP AND PILES



Bent 2 Pile 5: BENT 2, PILE 5 HAS AREA OF DECAY IN THE RIGHT SIDE STARING 36 IN. BELOW BOTTOM OF CAP, 53 IN. HIGH X 8 IN. WIDE X 5 IN. DEEP



End Bent 2 Cap 1: END BENT 2, TIMBER CAP HAS HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING



End Bent 2 Abutment/Backwall : END BENT 2 TIMBER ABUTMENT HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING



End Bent 1 Abutment/Backwall : END BENT 1 TIMBER ABUTMENT HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING



End Bent 2 Pile 2: END BENT 2, PILE 2 HAS AREA OF DELAMINATION NEAR THE GROUNDLINE, IN THE WEST FACE, 21 IN. HIGH X 10 IN. WIDE, WITH 1/16 IN. WIDE TRANSVERSE CRACKING



End Bent 2 Pile 2: PILE 2 AT END BENT 2 HAS HAIRLINE. TO 1/8 IN. WIDE LONGITUDINAL CRACKING



END BENT 1, RIGHT WINGWALL, ONE BOARD HAS DECAY THAT IS 3 FT. LONG X 8 IN. WIDE WITH FILL SPILLAGE



DECK BEBRIS ON BOTH SIDES OF DECK UP TO 3 IN. DEEP X 1 FT. WIDE



TOP OF DECK AT END BENT 1



LOOKING UPSTREAM LOOKING NORTH



LOOKING DOWNSTREAM, LOOKING SOUTH



TOP OF DECK AT BENT 1



TOP OF DECK AT BENT 2



TOP OF DECK AT END BENT 2



ASPHALT WEARING SURFACE APPROACH AT END BENT 2, HAS 20 SQ. FT. OF 1/8 INCH WIDE MAP CRACKING



APPROACH GUARD RAIL POST AT RIGH SIDE OF END BENT 2, 11 AT 18 IN. CENTERS, SAME ALL 4 CORNERS



APPROACH GUARD RAIL POST SPACING AT SOUTH EAST CORNER, 75 IN. SAME ALL 4 CORNERS



POSTING SIGN AT LEFT SIDE OF END BENT 2



EAST APPROACH LOOKING WEST



APPROACH GUARD RAIL ATTACHMENT AT RIGHT SIDE OF BENT 1, ALL 4 SAME



RIGHT RAIL AT SPAN 2



POSTING SIGN AT RIGHT SIDE OF END BENT 1



WEST APPROACH LOOKING EAST



NORTH WEST APPROACH GUARD RAIL END



SOUTH WEST APPROACH GUARD RAIL END



END BENT 2, LEFT WINGWALL



END BENT 2, RIGHT WINGWALL



END BENT 2



SPAN 3 SUPERSTRUCTURE LOOKING WEST



END BENT 1, LEFT WINGWALL



END BENT 1, RIGHT WINGWALL



BENT 2, SPAN 3 SIDE



BENT 1, SPAN 2 SIDE



END BENT 1

NATIONAL BRIDGE INVENTORY-------- STRUCTURE INVENTORY AND APPRAISAL Run Date: 08/22/2016

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **420134**
(8) STRUCTURE NUMBER(FEDERAL) 000000000850134
(5) INVENTORY ROUTE (ON/UNDER) - ON 31017220
(2) STATE HIGHWAY DEPARTMENT DISTRICT 2
(3) COUNTY CODE 85 (4) PLACE CODE 0
(6) FEATURE INTERSECTED - BLACK RIVER OVERFLOW
(7) FACILITY CARRIED SR1722
(9) LOCATION 0.4 MI. W. JCT. SR1715
(11)MILEPOINT 0
(16)LAT 35° 20' 51.46" (17)LONG 78° 37' 33.32"
(98)BORDER BRIDGE STATE CODE PCT SHARE
(99)BORDER BRIDGE STRUCTURE NO

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Wood or Timber
TYPE - Stringer Mutlibeam or Girder CODE 702
(44) STRUCTURE TYPE APPR :
TYPE - CODE 000
(45) NUMBER OF SPANS IN MAIN UNIT 3
(46) NUMBER OF APPROACH SPANS
(107)DECK STRUCTURE TYPE - 1 CODE
(108)WEARING SURFACE / PROTECTIVE SYSTEM :
(A) TYPE OF WEARING SURFACE - CODE
(B) TYPE OF MEMBRANE - CODE
(C) TYPE OF DECK PROTECTION - CODE

AGE AND SERVICE

(27) YEAR BUILT 1957
(106)YEAR RECONSTRUCTED
(42) TYPE OF SERVICE : ON - Highway
UNDER - Waterway CODE 15
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 0
(29) AVERAGE DAILY TRAFFIC 710
(30) YEAR OF ADT 2012 (109) TRUCK ADT PCT 6%
(19) BYPASS OR DETOUR LENGTH 8 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 17 FT
(49) STRUCTURE LENGTH 54 FT
(50)CURB OR SIDEWALK: LEFT .75 FT RIGHT .75 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 24 FT
(52) DECK WIDTH OUT TO OUT 25.333 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 21 FT
(33) BRIDGE MEDIAN - No Median CODE 0
(34) SKEW 0° (35) STRUCTURE FLARED 0
(10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 24 FT
(53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad 0 FT
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad 000 FT
(56) MIN LAT UNDERCLEAR LT REF - 000 FT

NAVIGATION DATA

(38) NAVIGATION CONTROL - No Navigational Control CODE 0
(111)PIER PROTECTION - CODE
(39) NAVIGATION VERTICAL CLEARANCE 0
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR FT
(40) NAVIGATION HORIZONTAL CLEARANCE 0 FT

SUFFICIENCY RATING = 26.41
STATUS = Structurally Deficient

CLASSIFICATION — CODE

(112)NBIS BRIDGE SYSTEM - YES
(104)HIGHWAY SYSTEM Is not on NHS 0
(26) FUNCTIONAL CLASS - Local 09
(100)STRAHNET HIGHWAY - Not a STRAHNET Route 0
(101)PARALLEL STRUCTURE - No Parallel Structure N
(102)DIRECTION OF TRAFFIC - 2-way Traffic 2
(103)TEMPORARY STRUCTURE - Temporary Structure/Conditions T
(110)DESIGNATED NATIONAL NETWORK - Not on the National Network 0
(20) TOLL On Free Road 3
(31) MAINTAIN - State Highway Agency 01
(22) OWNER - State Highway Agency 01
(37) HISTORICAL SIGNIFICANCE - Not Eligible 5

CONDITION — CODE

(58) DECK 6
(59) SUPERSTRUCTURE 6
(60) SUBSTRUCTURE 3
(61) CHANNEL & CHANNEL PROTECTION 7
(62) CULVERTS N

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD Unknown 0
(63) OPERATING RATING METHOD - Allowable Stress 2
(64) OPERATING RATING - HS-1 1
(65) INVENTORY RATING METHOD - Allowable Stress 2
(66) INVENTORY RATING - HS-1 1
(70) BRIDGE POSTING - Posting Required 0
(41) STRUCTURE OPEN, POSTED ,OR CLOSED P
DESCRIPTION - Posted for Load

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION 3
(68) DECK GEOMETRY 4
(69) UNDERCLEARANCES,VERTI & HORIZ N
(71) WATERWAY ADEQUACY 7
(72) APPROACH ROADWAY ALIGNMENT 8
(36) TRAFFIC SAFETY FEATURES 0000
(113)SCOUR CRITICAL BRIDGES U

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK - CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT
(94) BRIDGE IMPROVEMENT COST
(95) ROADWAY IMPROVEMENT COST
(96) TOTAL PROJECT COST
(97) YEAR OF IMPROVEMENT COST ESTIMATE
(114)FUTURE ADT 1420 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 06/22/2016
(92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
A) FRACTURE CRIT DETAIL - NO A)
B) UNDERWATER INSP - NO B)
C) OTHER SPECIAL INSP NO C)
SCOUR

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Run Date: 08/22/2016

COUNTY :	DIVISION :	DISTRICT:	STRUCTURE NUMBER :	LENGTH :
HARNETT	6	2	420134	54 FEET

ROUTE CARRIED : SR1722

FEATURE INTERSECTED : BLACK RIVER OVERFLOW

LOCATED : 0.4 MI. W. JCT. SR1715

BRIDGE NAME :

CITY :

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :		RAIL TYPE :	
09	NFA	NFA	710	2012	LT 241	RT 241

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1957	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :	
	DBM		TAN.	90	ON 2	UNDER 0

NAVIGATION :				HT. CRN. TO BED :		WATER DEPTH :	
VC	0 FT	HC	0 FT	13	FT	3	FT

SUPERSTRUCTURE : RC DECK ON TIMBER JOISTS,STD.BMD-10

SUBSTRUCTURE : EBTS&IBTS:TIM CAP/TIM.PILES@VAR.CTS/CRTCH PL@BT2

SPANS : 1@18'3", 1@17', 1@18'3"

BEAMS OR GIRDERS : 19 LINES 6X12 TIMBER JOIST @ 1'4.25 CENTERS

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
5RC/2.5" AWS		25.333 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :		
24 FT	25.5 FT	LT .75 FT	RT .75 FT	

VERT.CL.OVER : 999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :			
HS-1	HS-1	Sp3 J1 (Sp3J2 Remv.)	SV 9	TTST 15	DATE	08/19/2016

SYSTEM :	GREEN LINE ROUTE :
Secondary S.R. Route	N

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 420134 County HARNETT Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3304	Maintain/Replace Timber Superstructure Components	LF	4	Span 3 Beam 2: SPAN 3, JOIST 2 HAS A AREA OF DECAY AT END BENT 2 CAP, 43 IN. LONG X 5-3/4 IN. WIDE X 7 IN. DEEP, STARTING AT END OF JOIST	
3344	Repair / Replace Timber Substructure Components	LF	3	Bent 1 Pile 3: BENT 1, PILE 3 HAS AREA OF DECAY IN THE WEST FACE, STARTING 43 IN. BELOW CAP, 36 IN. HIGH X 10 IN. WIDE X 3 IN. DEEP. THIS PILE HAS NOT BEEN SUPPLEMENTED.	
3344	Repair / Replace Timber Substructure Components	LF	2	Bent 2 Pile 2: END BENT 2, PILE 2 HAS AREA OF DELAMINATION NEAR THE GROUND-LINE, IN THE WEST FACE, 21 IN. HIGH X 10 IN. WIDE, WITH 1/16 IN. WIDE TRANSVERSE CRACKING.	
3354	Maintain Steel Substructure Components	LF	4	Bent 1 Pile 6: BENT 1, STEEL PILE 6 HAS 4 FT. OF 1/16 IN. SECTION LOSS ON CROSS CAP AND PILES	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 420134 County HARNETT

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

MMS Code	MMS Description	Quantity
3304	Maintain/Replace Timber Superstructure Components	4 LF

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

Submitted Date:	Submitted By:	Assisted By:
06/25/2016	MARK WADE	

Details

Span 3 Beam 2: SPAN 3, JOIST 2 HAS A AREA OF DECAY AT END BENT 2 CAP, 43 IN. LONG X 5-3/4 IN. WIDE X 7 IN. DEEP, STARTING AT END OF JOIST

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	3 LF

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

Submitted Date:	Submitted By:	Assisted By:
06/25/2016	MARK WADE	

Details

Bent 1 Pile 3: BENT 1, PILE 3 HAS AREA OF DECAY IN THE WEST FACE, STARTING 43 IN. BELOW CAP, 36 IN. HIGH X 10 IN. WIDE X 3 IN. DEEP. THIS PILE HAS NOT BEEN SUPPLEMENTED.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 420134 County HARNETT

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

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	2 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
06/25/2016	MARK WADE	

Details
Bent 2 Pile 2: END BENT 2, PILE 2 HAS AREA OF DELAMINATION NEAR THE GROUND-LINE, IN THE WEST FACE, 21 IN. HIGH X 10 IN. WIDE, WITH 1/16 IN. WIDE TRANSVERSE CRACKING.

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	4 LF

Location:
Bent/Span No.

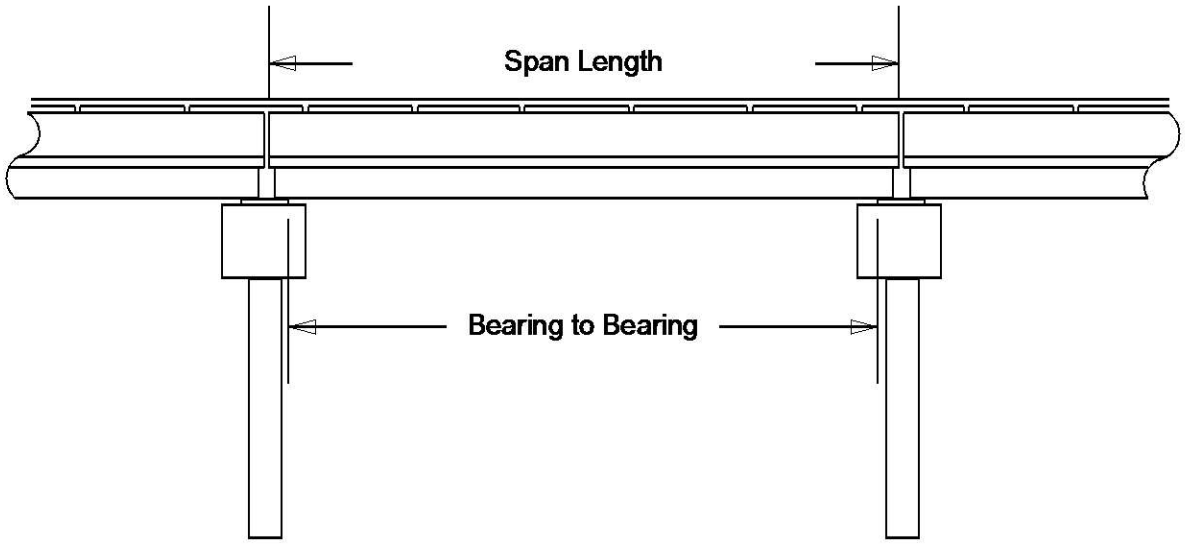
Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
06/25/2016	MARK WADE	

Details
Bent 1 Pile 6: BENT 1, STEEL PILE 6 HAS 4 FT. OF 1/16 IN. SECTION LOSS ON CROSS CAP AND PILES

Structure Data Worksheet

County: HARNETT **Structure No:** 420134 **Date:** **Inspected By:** MSW



Span No	Span Length	Bearing to Bearing	Comments
1	18	17	NBIS BRIDGE LENGTH = 51.0 FT.
2	17	16	
3	18	17	
X	X		X

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 420134 **County:** HARNETT **Date:** **By:** MSW

Record sounding from top of rail. Other location if needed: TOP OF RAILS

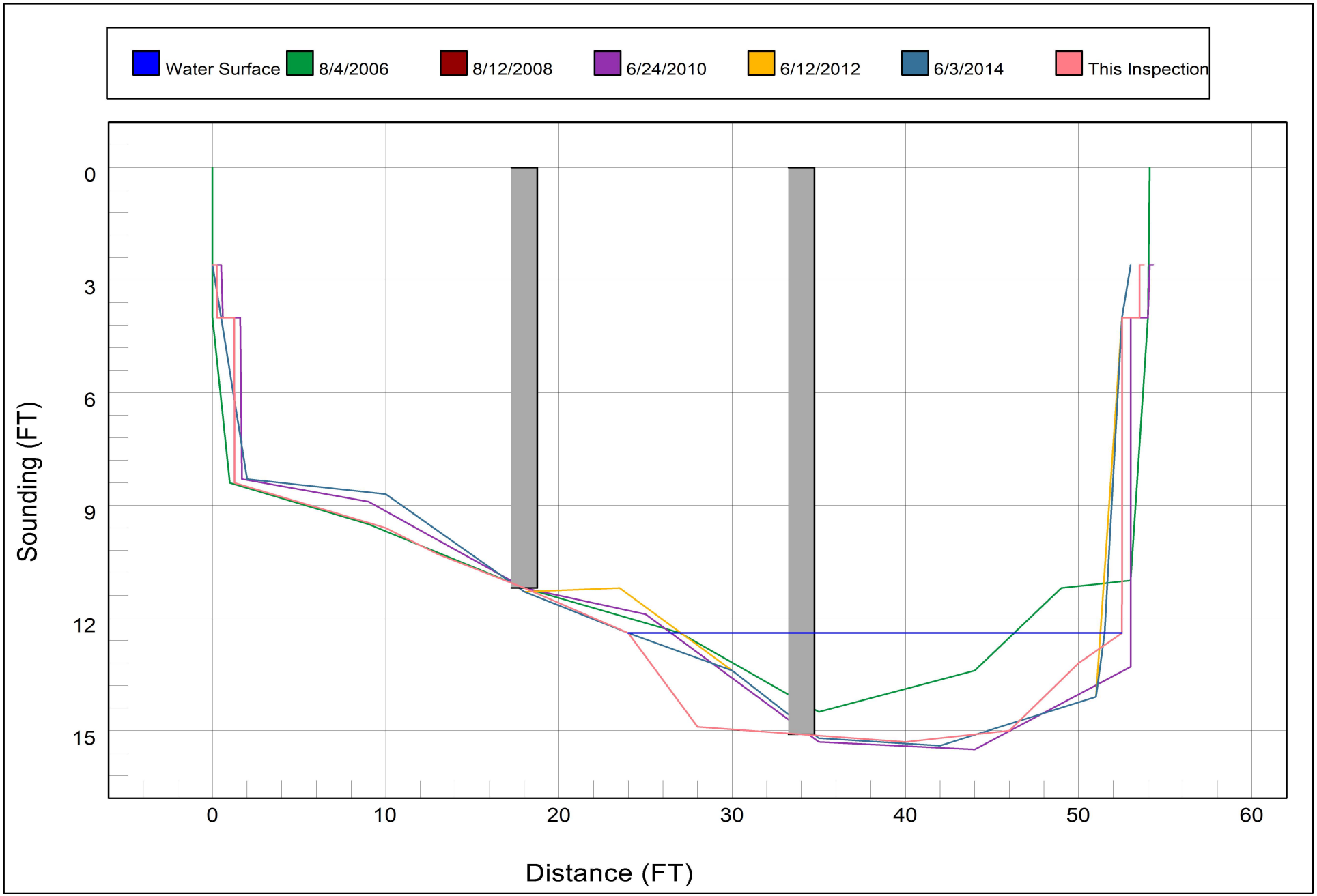
Distance from Highwater Mark to top of rail: **Location of Highwater Mark:**

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.6	TOP OF WINGWALL			
0.25	2.6	TOP OF WINGWALL			
0.26	4	Top of Cap			
1.26	4	Top of Cap			
1.27	8.4	GL	1.27	9.7	GL
10	9.6	GL			
13	10.3	GL			
18	11.2	BENT 1	18	15.2	BENT 1
21	11.8	GL			
24	12.4	WSWE			
28	14.9	BED			
34	15.1	BENT 2	34	13.8	BENT 2
40	15.3	BED			
46	15	BED			
50	13.2	BED	50	12	GL
52.5	12.4	WSWE			
52.51	4	Top of Cap			
53.51	4	Top of Cap			
53.52	2.6	TOP OF WINGWALL			
53.77	2.6	TOP OF WINGWALL			

Bridge: 420134 County HARNETT Date:

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



Roadway	19ft Wide	2 Paved Lanes	Looking East
Left Shoulder	4ft Wide	1ft Paved	3ft Unpaved
Right Shoulder	4ft Wide	1ft Paved	3ft Unpaved
Left Guardrail	4ft from road		
Right Guardrail	4ft from road		

SKETCH REDRAWN 6/22/16 MSW

Title	**Description**		
APPROACH ROADWAY	LOOKING EAST		
Bridge No: 420134	**Drawn By:** WBN	**Date:** 08/04/2006	**File Name:** S0074001082

Bridge Inspection Field Sketch

DISTANCE BETWEEN NEW APPROACH GUARDRAILS = 23.75'

Deck Width/Out to Out	25.333ft	Wearing Surface	0.333 ft
Between Rails	25.5ft	Median Width	
Curb Height	0.667ft	Median Height	
Top Rail to Deck/Wearing Surface	2.083 ft	Left Guardrail Width	
Clear Roadway	24 ft	Right Guardrail Width	
Left Bridge Rail	Type 24	Right Bridge Rail	Type 24



Measurements for Spans #	1 - 3		
Deck Thickness	0.417	Left Overhang	0.48
Top of Rail to Bottom of Beam	4.167	Right Overhang	0.48

Beam No	Beam Type	Spacing	Comments SPAN 2
1	Timber (Rectangular)	1.353ft	1.917 ft
2	Timber (Rectangular)	1.353ft	1.353ft
3	Timber (Rectangular)	1.353ft	1.353ft
4	Timber (Rectangular)	1.353ft	1.353ft
5	Timber (Rectangular)	1.353ft	1.353ft
6	Timber (Rectangular)	1.353ft	1.353ft
7	Timber (Rectangular)	1.353ft	1.353ft
8	Timber (Rectangular)	1.353ft	1.353ft
9	Timber (Rectangular)	1.353ft	1.353ft
10	Timber (Rectangular)	1.353ft	1.353ft
11	Timber (Rectangular)	1.353ft	1.353ft
12	Timber (Rectangular)	1.353ft	1.353ft
13	Timber (Rectangular)	1.353ft	1.353ft
14	Timber (Rectangular)	1.353ft	1.353ft
15	Timber (Rectangular)	1.353ft	1.353ft
16	Timber (Rectangular)	1.353ft	1.353ft
17	Timber (Rectangular)	1.353ft	1.353ft
18	Timber (Rectangular)	1.353ft	1.292 ft
19	Timber (Rectangular)		

Measurement Verified By: ado,jsf 06/03/2014

MODIFIED 6/22/16 MSW

Title

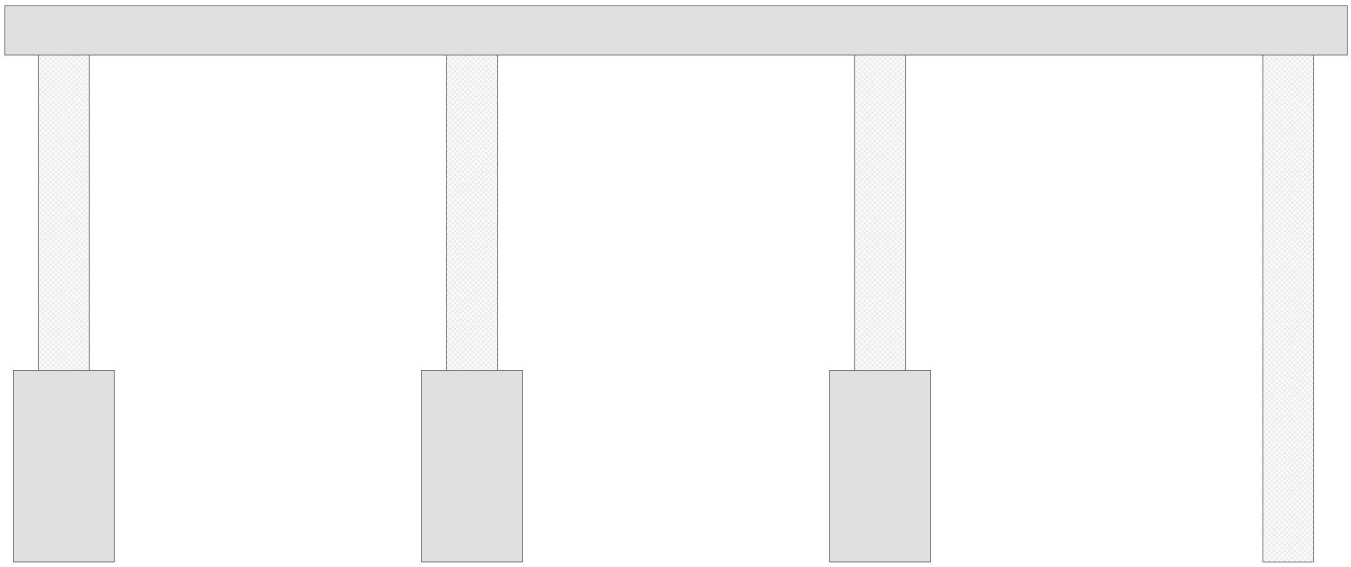
TYPICAL SECTION

Description

19 LINES OF TIMBER JOISTS

Bridge No: 420134 **Drawn By:** WBN **Date:** 08/04/2006 **File Name:** S0074001083

Bridge Inspection Field Sketch



Cap Information			Material Timber			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
25.917 ft.	.979 ft.	.979 ft.	1.167 ft.	.8333 ft.	.750 ft.	.750 ft.

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

Sill Information			Material
Length	Width	Height	Measurements Verified By:ado,jsf 06/03/2014

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	7.75 ft.	1 ft.			Vertical	No	No	No	Yes
2	Timber	7.75 ft.	1 ft.			Vertical	No	No	No	Yes
3	Timber	8.4167 ft.	1 ft.			Vertical	No	No	No	Yes
4	Timber		1 ft.			Vertical	No	No	No	No

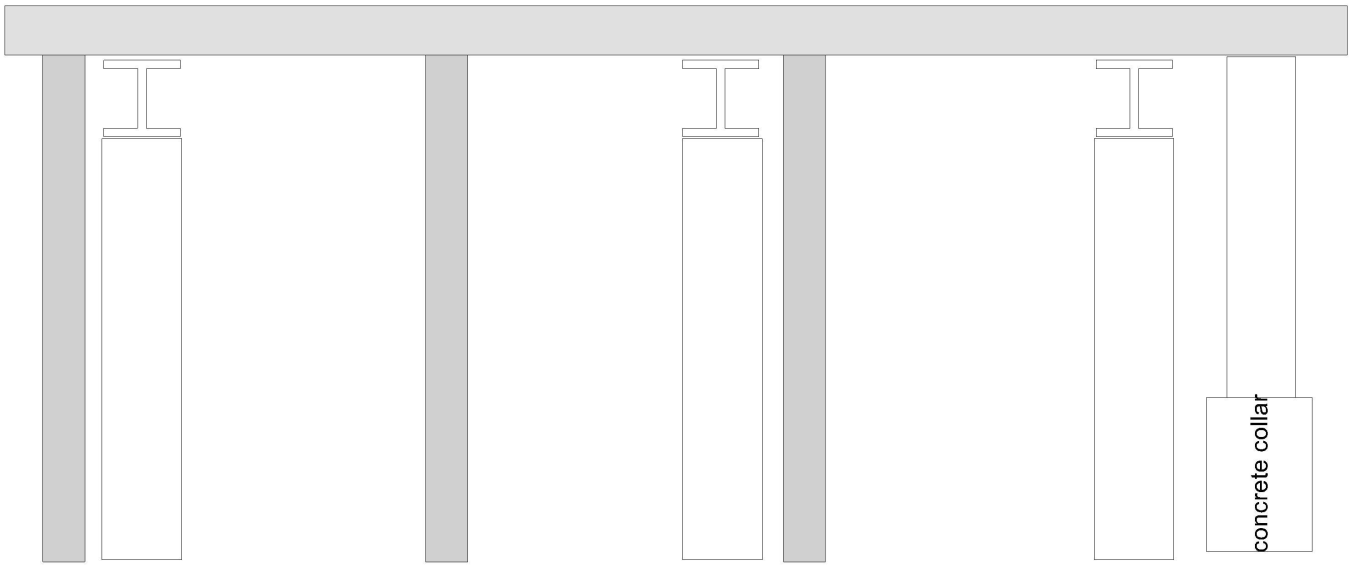
MODIFIED 6/22/16 MSW

End Bents #: 1 & 2

Title	**Description**
END BENT 1	END BENT 1

Bridge No: 420134	**Drawn By:** EC BLAKE	**Date:** 08/04/2006	**File Name:** S0070000645

Bridge Inspection Field Sketch

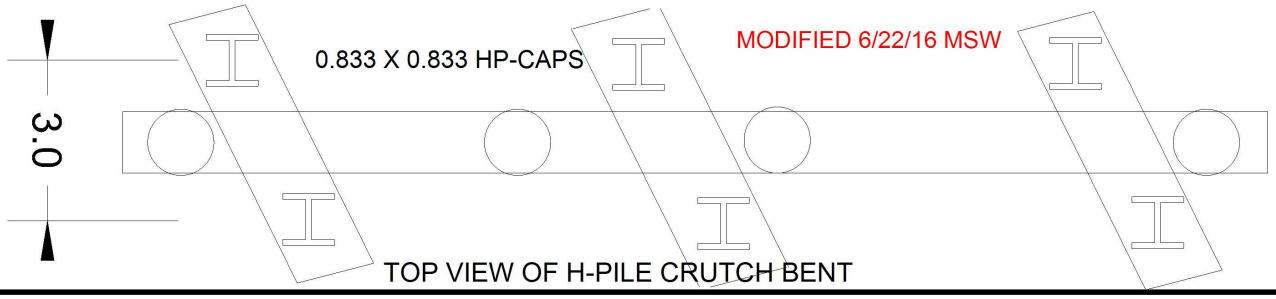


Cap Information			Material Timber			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
25.75 ft.	.979 ft.	.979 ft.	1 ft.	1 ft.	.75 ft.	.75 ft.

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

Sill Information			Material
Length	Width	Height	
			Measurements Verified By:ado,jsf 06/03/2014

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	1 ft.	1.00 ft.			Vertical	Yes	No	No	No
2	Steel	6.5 ft.	0.833 ft.	0.833 ft.		Vertical	Yes	Yes	No	No
3	Timber	6.833 ft.	1.00 ft.			Vertical	Yes	No	No	No
4	Steel	.833 ft.	0.833 ft.	0.833 ft.		Vertical	Yes	Yes	No	No
5	Timber	7.25 ft.	1.00 ft.			Vertical	Yes	No	No	No
6	Steel	1.333 ft.	0.833 ft.	0.833 ft.		Vertical	Yes	Yes	No	No
7	Timber		1.00 ft.			Vertical	No	No	No	Yes



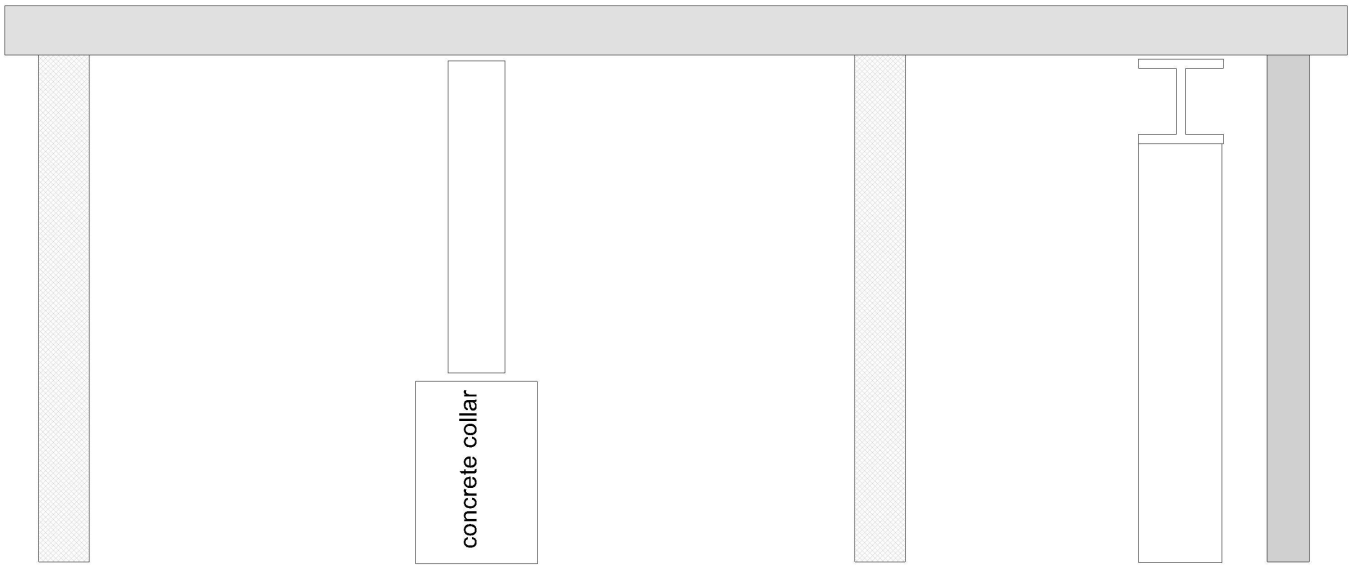
Bent/Abutment #: 1 Similar Bents:

Title
INTERIOR BENT 1

Description
SHORED PILES

Bridge No: 420134 **Drawn By:** EC BLAKE **Date:** 08/04/2006 **File Name:** S0070000646

Bridge Inspection Field Sketch



Cap Information			Material Timber			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
25.917 ft.	.979 ft.	.979 ft.	1 ft.	1 ft.	.75 ft.	.75 ft.

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

Sill Information			Material
Length	Width	Height	Measurements Verified By:ado,jsf 06/03/2014

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	8.0 ft.	1.00 ft.			Vertical	Yes	No	No	No
2	Timber	8.25 ft.	1.00 ft.			Vertical	Yes	No	No	Yes
3	Timber	6.5 ft.	1.00 ft.			Vertical	Yes	No	No	No
4	Steel	1.167 ft.	.833 ft.	0.833 ft.		Vertical	Yes	Yes	No	No
5	Timber		1.00 ft.			Vertical	Yes	No	No	No

MODIFIED 6/22/16 MSW



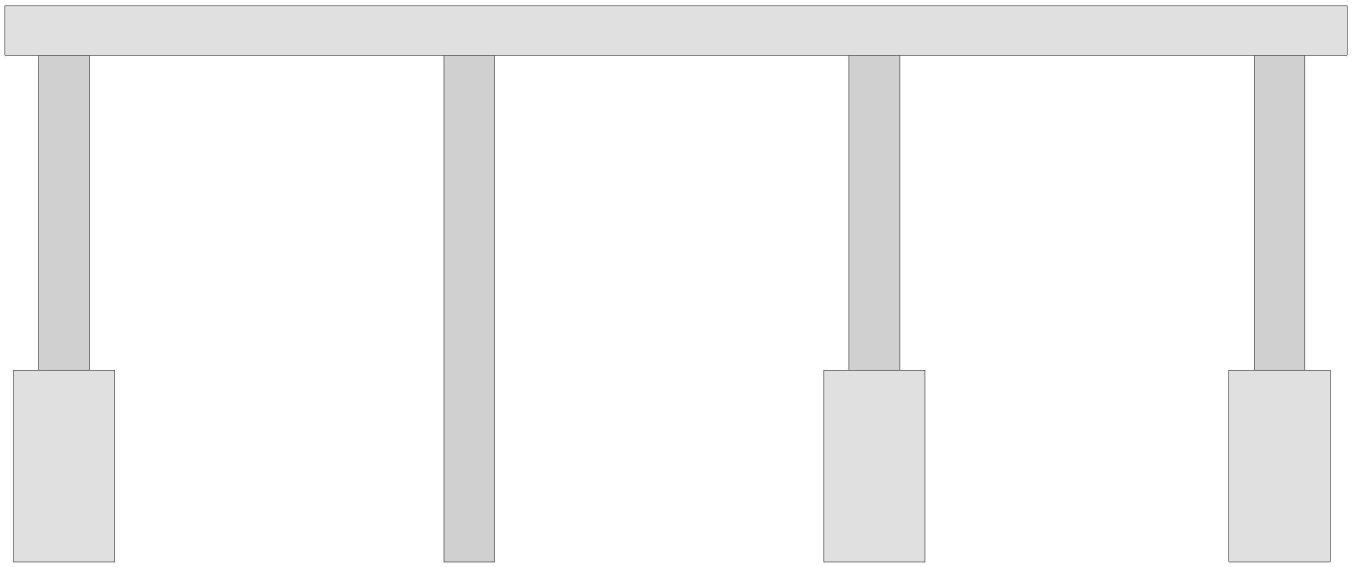
TOP VIEW OF H-PILE CRUTCH BENT

Bent/Abutment #: 2 Similar Bents:

Title	Description
INT. BENT 2	SHORED SPACINGS

Bridge No: 420134	Drawn By: EC BLAKE	Date: 08/04/2006	File Name: S0070000647

Bridge Inspection Field Sketch



Cap Information			Material Timber			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
26.33 ft.	.979 ft.	.979 ft.	1.167 ft.	1.000 ft.	.750 ft.	.750 ft.

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

Sill Information			Material
Length	Width	Height	

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	7.833 ft.	1 ft.			Vertical	Yes	No	No	Yes
2	Timber	8.25 ft.	1 ft.			Vertical	Yes	No	No	No
3	Timber	8.0833 ft.	1 ft.			Vertical	Yes	No	No	Yes
4	Timber		1 ft.			Vertical	Yes	No	No	Yes

Bent/Abutment #: 2 Similar Bents:

Title	**Description**
END BENT 2	END BENT 2

Bridge No: 420134	**Drawn By:** MSW	**Date:** 6/25/2016	**File Name:** S0206001057