NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINTENANCES ISSUED, PILES SUPPLEMENTED, MODIFIED SUPERSTRUCTURE AND SUBSTRUCTURE SKETCHES, REDRAWN APPROACH ROADWAY SKETCH

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: HARNETT STRUCTURE NUMBER: 420133 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1722 MILE POST:

LOCATION: 0.3MI.W.JCT.SR1715

FEATURE INTERSECTED: BLACK RIVER

LATITUDE: 35° 20' 52.21" LONGITUDE: 78° 37' 26.84"

SUPERSTRUCTURE: RC DECK/TIMBER JOIST(STD.BMD-10)

SUBSTRUCTURE: E.BTS&INT.BTS:TIM.CAP/TIM.PILES;STL.CRUTCH BTS

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

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

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

POSTED SV: 19 21 POSTED TTST: 28 33

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 E Wade	RAFAEL ASENCIO

BRIDGE I & A FORM 1(97) AA SHEET 1 AA

BRIDGE INSPECTION RECORD AND SUMMARY FOR SHORED STRUCTURES OR STRUCTURES WITH TEMPORARY REPAIRS MADE TO KEEP A BRIDGE OPEN

BRIDGE: **420133** COUNTY: **Harnett** DATE: 12/7/2011

THE FOLLOWING S. I. & A ITEMS ARE TO BE CODED TO REFLECT THE FACT THAT THE STRUCTURE IS SHORED OR HAS HAD TEMPORARY REPAIRS MADE TO KEEP THE BRIDGE OPEN :

	CODE	BY
S I & A ITEM 103 - TEMPORARY STRUCTURE DESIGNATION	T	TSE
S I & A ITEM 59 - SUPERSTRUCTURE		
S I & A ITEM 60 - SUBSTRUCTURE	3	TSE

S I & A ITEM 64 OPERATING RATING
HS 01 BY:

S I & A ITEM 66 - INVENTORY RATING
HS 01 BY:

COMMENTS

*Some piles have been encased with concrete. Cross caps at several locations. Helper bent placed in front of End Bent 1

*- Temporary Repairs

Revised 11/7/2006

Structure Element Scoring

Structure Number: 420133

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	1343	1339	4	0	0
111	0	Timber Open Girder/Beam	Beam	1064	112	0	952	0
216	0	Timber Abutment	Abutments	70	9	0	61	0
225	0	Steel Pile	Piles and Columns	10	-3	5	8	0
515	225	Steel Protective Coating	Piles and Columns	660	599	35	0	26
228	0	Timber Pile	Piles and Columns	16	0	0	14	2
231	0	Steel Pier Cap	Caps	26	16	10	0	0
515	231	Steel Protective Coating	Caps	153	143	10	0	0
235	0	Timber Pier Cap	Caps	108	6	0	102	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	106	106	0	0	0
510	0	Wearing Surface	Wearing Surfaces	1272	1124	0	148	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 420133 Inspection Date: 06/22/2016

MMS Code	Element Name	Defect Name	Recommended Quantity
3304	Timber Open Girder/Beam	Crack (Timber)	936 Feet
3304	Timber Open Girder/Beam	Split/Delamination (Timber)	16 Feet
3346	Timber Abutment	Decay/Section Loss	14 Feet
3346	Timber Abutment	Crack (Timber)	47 Feet
3354	Steel Pile	Corrosion	23 Each
3344	Timber Pile	Decay/Section Loss	10 Each
3344	Timber Pile	Crack (Timber)	68 Each
3344	Timber Pier Cap	Crack (Timber)	102 Feet
2816	Wearing Surface	Crack (Wearing Surface)	148 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	71 Square Feet

Element Structure Maintenance Quantities

Structure Number: 420133 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	61	70	0	61	0	9
Beam	3304	Maintenance of Timber of Superstructure Component	952	1064	0	952	0	112
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	0	106	0	0	0	106
Caps	3342	Clean and Paint Steel	10	153	0	0	10	143
Caps	3344	Maintenance To Timber Substrcutre	102	108	0	102	0	6
Caps	3354	Maintenance of Steel Substructure Components	0	26	0	0	10	16
Deck	3326	Maintenance of Concrete Deck	0	1343	0	0	4	1339
Piles and Columns	3342	Clean and Paint Steel	61	660	26	0	35	599
Piles and Columns	3344	Maintenance To Timber Substrcutre	78	16	2	14	0	0
Piles and Columns	3354	Maintenance of Steel Substructure Components	23	10	0	8	5	-3
Wearing Surfaces	2816	Asphalt Surface Repair	148	1272	0	148	0	1124

Element Condition and Maintenance Data

Structure Number: 420133 Inspection Date: 06/22/2016

Span 1 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	456	452	4	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Patched Areas	SPAN 1, TOP OF DECK HAS 4, 12 IN. X 14 IN. CONCRETE PATCHS, AT 6 FT. CENTERS 3 FT. FROM END BENT 2, AND STARTING 2 FT. FROM LEFT CURB	2	4		Square Feet

General Comments

Span 1 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	432	373	0	59	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 22 FT. LONG X 1/8 IN. WIDE TRANSVERSE CRACK OVER BENT 1, TOTAL OF 32 SQ. FT. THRU OUT SPAN	3	32	32	Square Feet
510	Crack (Wearing Surface)	SPAN 1, ASPHALT WEARING SURFACE HAS A 15 FT. LONG X 1/16 IN. WIDE LONGITUDINAL CRACK IN THE WEST BOUND LANE, NEAR CENTERLINE, TOTAL OF 27 SQ. FT. THRU OUT SPAN	3	27	27	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	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 1 HAS HARILINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	17	17	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	19	3	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 2 HAS HARILINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 3 HAS HARILINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	17	17	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	19	3	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 4 HAS HARILINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 5 HAS HARILINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	17	17	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	19	3	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 6 HAS HARILINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	19	3	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

111	Crack (Timber)	SPAN 1, JOIST 7 HAS HARILINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 8 HAS HARILINE TO 1/8 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	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 9 HAS HARILINE TO 1/8 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	19	3	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 10 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 11 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	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	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 12 HAS HARILINE 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	19	3	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 13 HAS HARILINE 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	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 14 HAS HARILINE 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	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 15 HAS HARILINE 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	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

111	Crack (Timber)	SPAN 1, JOIST 16 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	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	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 17 HAS HARILINE 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	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 18 HAS HARILINE 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	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 1, JOIST 19 HAS HARILINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	18	18	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	408	361	0	47	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 OVER BENT 2	3	22	22	Square Feet
510	Crack (Wearing Surface)	SPAN 2, ASPHALT WEARING SURFACE HAS A 15 FT. LONG X 1/16 IN. WIDE LONGITUDINAL CRACK IN THE EAST BOUND LANE, NEAR CENTERLINE, TOTAL OF 25 SQ. FT. THRU OUT SPAN	3	25	25	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	18	1	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 1 HAS HARILINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	17	17	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	18	2	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 2 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	18	1	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 3 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	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	18	2	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 4 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	18	1	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 5 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	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	18	2	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 6 HAS HARILINE 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	18	1	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 7 HAS HARILINE 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	18	2	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 8 HAS HARILINE 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	18	1	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 9 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	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	18	2	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 10 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	18	2	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Split/Delamination (Timber)	SPAN 2, JOIST 11 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	18	1	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 12 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	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	18	2	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 13 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	18	2	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

111	Crack (Timber)	SPAN 2, JOIST 14 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	18	1	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 15 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	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	18	1	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 16 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	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	18	2	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 17 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	18	2	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 18 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	18	0	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 2, JOIST 18 HAS HARILINE 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	432	390	0	42	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 15 FT. LONG X 1/16 IN. WIDE LONGITUDINAL CRACK, 5 FT. FROM THE LEFT CURB, TOTAL OF 20 SQ. FT. THRU OUT SPAN	3	20	20	Square Feet
510	Crack (Wearing Surface)	SPAN 3, ASPHALT WEARING SURFACE HAS A 22 FT. LONG X 1/8 IN. WIDE TRANSVERSE CRACK AT END BENT 2	3	22	22	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	19	4	0	15	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 1 HAS 15 FT. OF HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	15	15	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	19	3	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 2 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 3 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	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	19	3	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 4 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 5 HAS HARILINE 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	19	3	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 6 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

111	Crack (Timber)	SPAN 3, JOIST 7 HAS HARILINE 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	19	3	0	16	0	Feet

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 9 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 10 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	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	19	3	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 11 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 12 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	17	17	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	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 13 HAS HARILINE 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	19	2	0	17	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 14 HAS HARILINE 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	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 15 HAS HARILINE 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	19	3	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

111	Crack (Timber)	SPAN 3, JOIST 16 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	19	3	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 17 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	16	16	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	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 18 HAS HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	18	18	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	19	1	0	18	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Crack (Timber)	SPAN 3, JOIST 19 HAS HARILINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	18	18	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	2	0	25	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Crack (Timber)	END BENT 1 CAP HAS 25 FT. OF HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	25	25	Feet

General Comments

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End 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	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Crack (Timber)	END BENT 1, PILE 1 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3		2	Each
228	Decay/Section Loss	END BENT 1, PILE 1 HAS A AREA OF DECAY IN THE EAST FACE, 6 IN. HIGH X 3 IN. WIDE X 4 IN. DEEP, LOCATED 12 IN. BELOW BOTTOM OF CAP	3	1	1	Each

General Comments

End Bent 1 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	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Crack (Timber)	END BENT 1, PILE 2 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	1	2	Each

General Comments

End 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	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Crack (Timber)	END BENT 1, PILE 3 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	1	2	Each

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)	END BENT 1, PILE 4 HAS HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	1	2	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	1	0	26	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Crack (Timber)	BENT 1 TIMBER CAP HAS 26 FT. OF HAIRLINE TO 1/8 INCH WIDE LONGITUDINAL CRACKING	3	26	26	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	1	0	Each
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Crack (Timber)	BENT 1, PILE 1 HAS 6 FT. OF HAIRLINE TO 1/18 IN. WIDE LONGITUDINAL CRACKING	3	1	6	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	0	1	0	Each
515	Steel Protective Coating	70	66	0	0	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	BENT 1, STEEL PILE CRUTCH BENT 2 HAS 1 FT. OF RUST WITH 1/32 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/32 IN. SECTION LOSS	3	1	5	Each
515	Effectiveness (Steel Protective Coatings)	BENT 1, STEEL PILE CRUTCH BENT, 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	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Crack (Timber)	BENT 1, PILE 3 HAS 6 FT. OF HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	1	6	Each

General Comments

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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Crack (Timber)	BENT 1, PILE 4 HAS 6 FT. OF HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	1	6	Each

General Comments

Bent 1 Steel Cross Cap Crutch Pile 5

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	70	66	0	0	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	BENT 1, STEEL PILE CRUTCH BENT 5 HAS 1 FT. OF RUST WITH 1/8 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/8 IN. SECTION LOSS	3	1	4	Each
515	Effectiveness (Steel Protective Coatings)	BENT 1, STEEL PILE CRUTCH BENT 5, PROTECTIVE COATING HAS LOST EFFECTIVENESS DUE TO RUST	4	4	4	Square Feet

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	70	64	0	0	6	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	BENT 1, STEEL PILE CRUTCH BENT 6, HAS 1 FT. OF RUST WITH 1/16 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 2 FT. OF RUST ON THE TOP OF THE PILES WITH 1/16 IN. SECTION LOSS	3	1	6	Each
515	Effectiveness (Steel Protective Coatings)	BENT 1, STEEL PILE CRUTCH BENT 6, PROTECTIVE COATING HAS LOST EFFECTIVENESS DUE TO RUST	4	6	6	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 6 FT. OF HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3		6	Each

228	Decay/Section Loss	BENT 1, PILE 7 HAS A AREA OF DECAY, 40 IN. HIGH X 6 IN. WIDE X 4 IN. DEEP, NEAR WATER LINE	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	35	2	0	33	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
216	Crack (Timber)	END BENT 1 TIMBER ABUTMENT HAS 27 FT. OF HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING	3	27	27	Feet
216	Decay/Section Loss	END BENT 1, TIMBER ABUTMENT HAS AREA OF DECAY BETWEEN PILES 1 AND 2, 6 FT. LONG X 2 FT. WIDE X 2 IN. DEEP	3	6	6	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 2 TIMBER CAP HAS 25 FT. OF HAIRLINE TO 1/16 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)	END BENT 2, PILE 1 HAS 1 FT. OF HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	1	1	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	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Crack (Timber)	END BENT 2, PILE 2 HAS 3 FT. OF HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	1	3	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)	END BENT 2, PILE 3 HAS 3 FT. OF HAIRLINE TO 1/8 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)	END BENT 2, PILE 4 HAS 1 FT. OF HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3		5	Each
228	Decay/Section Loss	END BENT 2, PILE 4 HAS AREA OF DECAY IN THE RIGHT SIDE AT GROUNDLINE, 27 IN. HIGH X 6 IN. WIDE X 9 IN. DEEP, PILE HAS A 2 IN. THICK OUTER SHELL	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	1	0	26	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Crack (Timber)	BENT 2 TIMBER CAP HAS 26 FT. OF HAIRLINE TO 1/8 INCH WIDE LONGITUDINAL CRACKING	3	26	26	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	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Crack (Timber)	BENT 2, PILE 1 HAS 6 FT. OF HAIRLINE TO 1/18 IN. WIDE LONGITUDINAL CRACKING	3		6	Each
228	Decay/Section Loss	BENT 2, PILE 1 HAS A DECAYED CENTER WITH A 2 IN. THICK SHELL, FROM THE TOP OF THE CONCRETE COLLAR AND GOES 16 IN. HIGH	3	1		Each

General Comments

Bent 2 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	0	1	0	Each
515	Steel Protective Coating	70	66	0	0	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	BENT 2, STEEL PILE CRUTCH BENT 2 HAS 1 FT. OF RUST WITH 1/8 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/8 IN. SECTION LOSS	3	1	4	Each
515	Effectiveness (Steel Protective Coatings)	BENT 2, STEEL PILE CRUTCH BENT 2, PROTECTIVE COATING HAS LOST EFFECTIVENESS DUE TO RUST	4	4	4	Square Feet

General Comments

Bent 2 Steel Cross Cap Crutch 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	-3	0	4	0	Each
515	Steel Protective Coating	70	66	0	0	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	BENT 2, STEEL PILE CRUTCH BENT 3 HAS 1 FT. OF RUST WITH 1/16 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/16 IN. SECTION LOSS	3	4	4	Each
515	Effectiveness (Steel Protective Coatings)	BENT 2, STEEL PILE CRUTCH BENT 3, PROTECTIVE COATING HAS LOST EFFECTIVENESS DUE TO RUST	4	4	4	Square Feet

General Comments

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	0	1	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Decay/Section Loss	BENT 2, PILE 4 HAS DECAY WITH A 3 IN. CORE REMAINING, FROM THE WATERLINE UP 2 FT.	4	1	2	Each
228	Crack (Timber)	BENT 2, PILE 4 HAS 6 FT. OF HAIRLINE TO 1/18 IN. WIDE LONGITUDINAL CRACKING	3		6	Each

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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

228	Crack (Timber)	BENT 2, PILE 5 HAS 6 FT. OF HAIRLINE TO 1/18 IN. WIDE LONGITUDINAL CRACKING	3	1	6	Each

General Comments

Bent 2 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	1	0	0	Each
515	Steel Protective Coating	70	66	0	0	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	BENT 2, STEEL CRUTCH BENT PILE 6 HAS 1 FT. OF SURFACE RUST ON EACH END OF THE CROSS CAP AND 1 FT. OF SURFACE RUST ON THE TOP OF EACH PILE	2	1		Each
515	Effectiveness (Steel Protective Coatings)	BENT 2, STEEL PILE CRUTCH BENT 6, PROTECTIVE COATING HAS LOST EFFECTIVENESS DUE TO RUST	4	4	4	Square Feet

General Comments

Bent 2 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	0	1	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Decay/Section Loss	BENT 2, PILE 7 HAS AREA OF DECAY IN THE RIGHT SIDE STARTING AT WATERLINE, 44 IN. HIGH X 7 IN. WIDE X 8 IN. DEEP	4	1	4	Each
228	Crack (Timber)	BENT 2, PILE 7 HAS 6 FT. OF HAIRLINE TO 1/18 IN. WIDE LONGITUDINAL CRACKING	3		6	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	35	7	0	28	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
216	Crack (Timber)	END BENT 2, TIMBER ABUTMENT HAS 20 FT. OF HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING	3	20	20	Feet
216	Decay/Section Loss	END BENT 2, TIMBER ABUTMENT HAS AREA OF DECAY BETWEEN PILES 1 AND 2, 8 FT. LONG X 8 IN. WIDE X 2 IN. DEEP	3	8	8	Feet

General Comments

Crutch Bent 1 Span 1 Steel Pier Cap 1

Steel Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
231	Steel Pier Cap	26	16	10	0	0	Feet
515	Steel Protective Coating	153	143	10	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
231	Corrosion	END BENT 1, STEEL CRUTCH CAP, HAS 10 FEET OF SURFACE RUST.	2	10		Feet
515	Effectiveness (Steel Protective Coatings)	END BENT 1, STEEL CRUTCH CAP, HAS LOST EFFECTIVENESS DUE TO RUST.	2	10	10	Square Feet

General Comments

Crutch Bent 1 Span 1 Steel Pile 1

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	30	25	5	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	END BENT 1, STEEL CRUTCH, PILE 1, HAS 1 FOOT OF SURFACE RUST AT TOP.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	END BENT 1, CRUTCH PILE 1, HAS 1 FOOT IN LENGTH, OF SURFACE RUST AT TOP, AND HAS LOST EFFECTIVENESS FOR A TOTAL OF 5 SQUARE FEET.	2	5	5	Square Feet

General Comments

Crutch Bent 1 Span 1 Steel Pile 2

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	30	25	5	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	END BENT 1, STEEL CRUTCH, PILE 2, HAS 1 FOOT OF SURFACE RUST AT TOP.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	END BENT 1, CRUTCH PILE 2, HAS 1 FOOT IN LENGTH, OF SURFACE RUST AT TOP, AND HAS LOST EFFECTIVENESS FOR A TOTAL OF 5 SQUARE FEET.	2	5	5	Square Feet

General Comments

Crutch Bent 1 Span 1 Steel Pile 3

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	30	25	5	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

225	Corrosion	END BENT 1, STEEL CRUTCH , PILE 3 HAS 1 FOOT OF SURFACE RUST, AT TOP OF PILE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	END BENT 1, CRUTCH PILE 3, HAS 1 FOOT IN LENGTH, OF SURFACE RUST AT TOP, AND HAS LOST EFFECTIVENESS FOR A TOTAL OF 5 SQUARE FEET.	2	5	5	Square Feet

General Comments

Crutch Bent 1 Span 1 Steel Pile 1

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	30	25	5	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	END BENT 1, STEEL CRUTCH, PILE 1, HAS 1 FOOT OF SURFACE RUST AT THE TOP OF PILE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	END BENT 1, STEEL CRUTCH , PILE 1 HAS 1 FOOT IN LENGTH, OF SURFACE RUST AT TOP OF PILE, THEREFORE 5 SQUARE FEET OF LOST EFFECTIVENESS.	2	5	5	Square Feet

General Comments

Crutch Bent 1 Span 1 Steel Pile 2

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	30	25	5	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	END BENT 1, STEEL CRUTCH, PILE 2, HAS 1 FOOT OF SURFACE RUST AT TOP OF PILE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	END BENT 1, STEEL CRUTCH , PILE 2 HAS 1 FOOT IN LENGTH, OF SURFACE RUST AT TOP OF PILE, THEREFORE 5 SQUARE FEET OF LOST EFFECTIVENESS.	2	5	5	Square Feet

General Comments

Crutch Bent 1 Span 1 Steel Pile 3

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	30	25	5	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	END BENT 1, STEEL CRUTCH, PILE 3, HAS 1 FOOT OF SURFACE RUST AT TOP OF PILE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	END BENT 1, STEEL CRUTCH , PILE 3 HAS 1 FOOT IN LENGTH, OF SURFACE RUST AT TOP OF PILE, THEREFORE 5 SQUARE FEET OF LOST EFFECTIVENESS.	2	5	5	Square Feet

General Comments

Crutch Bent 1 Span 1 Steel Pile 4

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	30	25	5	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	END BENT 1, STEEL CRUTCH, PILE 4 , HAS 1 FOOT OF SURFACE RUST AT TOP OF PILE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	END BENT 1, STEEL CRUTCH , PILE 4 HAS 1 FOOT IN LENGTH, OF SURFACE RUST AT TOP OF PILE, THEREFORE 5 SQUARE FEET OF LOST EFFECTIVENESS.	2	5	5	Square Feet

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	456
Span 1	Beam 1	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 2	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 3	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 4	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 5	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 6	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 7	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 8	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 9	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 10	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 11	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 12	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 13	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 14	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 15	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 16	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 17	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 18	Timber Joist	Timber Open Girder/Beam	19
Span 1	Beam 19	Timber Joist	Timber Open Girder/Beam	19
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	18
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	18
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	432
Bent 1		Steel Pier Cap	Steel Pier Cap	26
Bent 1		Timber Pier Cap	Timber Pier Cap	27
Bent 1		Steel Pile	Steel 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		Steel Cross Cap Crutch Pile	Timber Pile	1
Bent 1		Steel Pile	Steel Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Steel Pile	Steel Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Steel Pile	Steel 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		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 Abutment	Timber Abutment	35
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	431
Span 2	Beam 1	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 2	Timber Joist	Timber Open Girder/Beam	18

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 2	Beam 3	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 4	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 5	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 6	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 7	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 8	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 9	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 10	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 11	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 12	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 13	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 14	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 15	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 16	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 17	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 18	Timber Joist	Timber Open Girder/Beam	18
Span 2	Beam 19	Timber Joist	Timber Open Girder/Beam	18
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	17
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	17
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	408
Bent 2		Timber Pier Cap	Timber Pier Cap	27
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		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 Pile	Steel Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Steel Cross Cap Crutch Pile	Steel Pile	1
Bent 2		Steel Cross Cap Crutch Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2		Timber Abutment	Timber Abutment	35
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	456
Span 3	Beam 1	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 2	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 3	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 4	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 5	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 6	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 7	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 8	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 9	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 10	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 11	Timber Joist	Timber Open Girder/Beam	19

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Beam 12	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 13	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 14	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 15	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 16	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 17	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 18	Timber Joist	Timber Open Girder/Beam	19
Span 3	Beam 19	Timber Joist	Timber Open Girder/Beam	19
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	18
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	18
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	432

National Bridge and NC Inspection Items

Structure Number: 420133 Inspection Date: 06/22/2016

National Bridge Inventory Items

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

Note: 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	1285	3376
Drainage System	G, F, P, or C	F	106	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C		0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation		O		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
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	22
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: 420133 Inspection Date: 06/22/2016

Item	Superstructure - Item 59	Grade 6	Maint Code	Qty.	0
Details	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 DECAY AND LONGITUDINAL CRACKING.				
	STEEL SUBSTUCTURE HAS UP TO 1/8 INCH SECTION LOSS DUE TO RUST.				
	TIMBER CAPS HAVE HAIRLINE TO 1/8 INCH WIDE LONGITUDINAL CRACKING.				

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.	1285
Details	DEBRIS ON THE LEFT SIDE OF SPAN 1 DECK, 3 IN. DEEP X 1 FT. WIDE, ALL SPANS SAME				

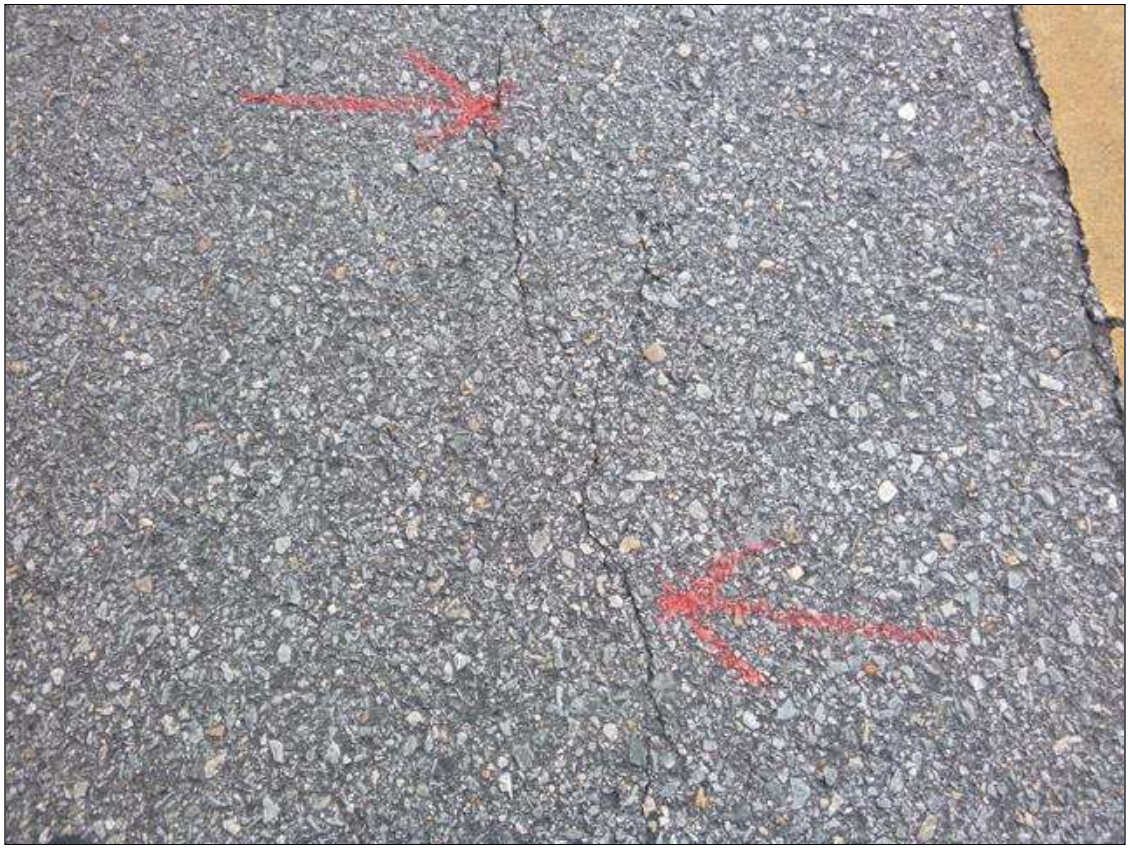
Item	Drainage System	Grade F	Maint Code 3332	Qty.	106
Details	DECK DEBRIS ALONG CURBLINES				



ASPHALT WEARING SURFACE APPROACH AT END BENT 1, 25 SQ. FT. OF 1/16 IN. WIDE MAP CRACKING, WEST BOUND LANE SETTLED 2 INCHES



Span 1 Deck: SPAN 1, TOP OF DECK HAS 4, 12 IN. X 14 IN. CONCRETE PATCHS, AT 6 FT. CENTERS 3 FT. FROM END BENT 2, AND STARTING 2 FT. FROM LEFT CURB



Span 1 Wearing Surface: SPAN 1, ASPHALT WEARING SURFACE HAS A 15 FT. LONG X 1/16 IN. WIDE LONGITUDINAL CRACK IN THE WEST BOUND LANE, NEAR CENTERLINE, TOTAL OF 27 SQ. FT. THRU OUT SPAN



Span 1 Wearing Surface: SPAN 1 ASPHALT WEARING SURFACE HAS A 22 FT. LONG X 1/8 IN. WIDE TRANSVERSE CRACK OVER BENT 1, TOTAL OF 32 SQ. FT. THRU OUT SPAN



DEBRIS ON THE LEFT SIDE OF SPAN 1 DECK, 3 IN. DEEP X 1 FT. WIDE, ALL SPANS SAME



Span 2 Wearing Surface: SPAN 2, ASPHALT WEARING SURFACE HAS A 15 FT. LONG X 1/16 IN. WIDE LONGITUDINAL CRACK IN THE EAST BOUND LANE, NEAR CENTERLINE, TOTAL OF 25 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 OVER BENT 2



Span 3 Wearing Surface: SPAN 3 ASPHALT WEARING SURFACE HAS A 15 FT. LONG X 1/16 IN. WIDE LONGITUDINAL CRACK, 5 FT. FROM THE LEFT CURB, TOTAL OF 20 SQ. FT. THRU OUT SPAN



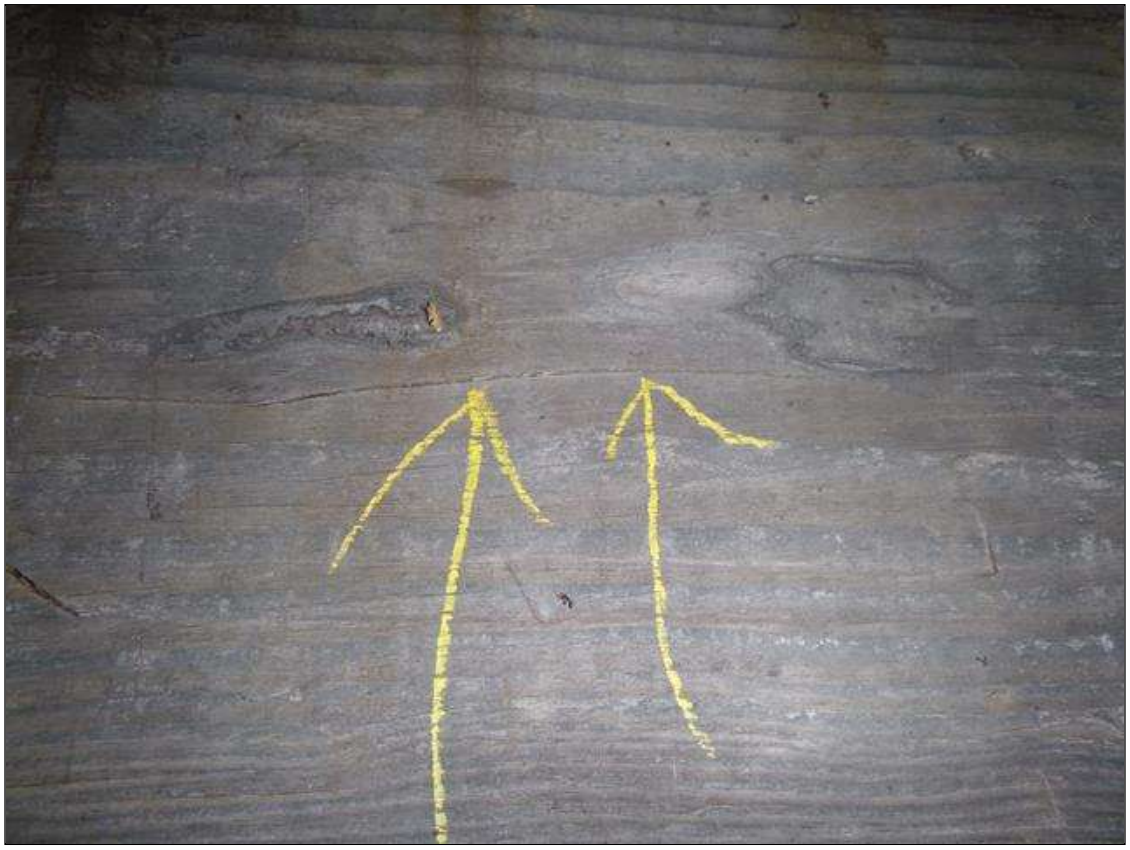
Span 3 Wearing Surface: SPAN 3, ASPHALT WEARING SURFACE HAS A 22 FT. LONG X 1/8 IN. WIDE TRANSVERSE CRACK AT END BENT 2



ASPHALT WEARING SURFACE APPOACH AT END BENT 2, HAS 12 SQ. FT. 1/16 IN. WIDE LONGITUDINAL AND TRANSVERSE CRACKING



End Bent 1 Pile 1: END BENT 1, PILE 1 HAS A AREA OF DECAY IN THE EAST FACE, 6 IN. HIGH X 3 IN. WIDE X 4 IN. DEEP, LOCATED 12 IN. BELOW BOTTOM OF CAP



End Bent 1 Cap 1: END BENT 1 CAP HAS 25 FT. OF HARILINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING



END BENT 1 CAP AND PILES ARE ROTATED BACK TOWARD THE FILL UP TO 1.5 INCHES AT THE TOP



End Bent 1 Abutment/Backwall : END BENT 1 TIMBER ABUTMENT HAS 27 FT. OF HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING



End Bent 1 Abutment/Backwall : END BENT 1, TIMBER ABUTMENT HAS AREA OF DECAY BETWEEN PILES 1 AND 2, 6 FT. LONG X 2 FT. WIDE X 2 IN. DEEP



Bent 1 Pile 2: BENT 1, STEEL PILE CRUTCH BENT 2, HAS 1 FT. OF RUST WITH 1/32 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/32 IN. SECTION LOSS



Bent 1 Pile 5: BENT 1, STEEL PILE CRUTCH BENT 5 HAS 1 FT. OF RUST WITH 1/8 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/8 IN. SECTION LOSS



Bent 1 Pile 6: BENT 1, STEEL PILE CRUTCH BENT 6, HAS 1 FT. OF RUST WITH 1/16 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 2 FT. OF RUST ON THE TOP OF THE PILES WITH 1/16 IN. SECTION LOSS



Bent 1 Pile 7: BENT 1, PILE 7 HAS A AREA OF DECAY, 40 IN. HIGH X 6 IN. WIDE X 4 IN. DEEP, NEAR WATER LINE



Bent 1 Pile 1: BENT 1, PILE 1 HAS 6 FT. OF HAIRLINE TO 1/18 IN. WIDE LONGITUDINAL CRACKING



Bent 2 Pile 1: BENT 2, PILE 1 HAS A DECAYED CENTER WITH A 2 IN. THICK SHELL, FROM THE TOP OF THE CONCRETE COLLAR AND GOES 16 IN. HIGH



Bent 2 Pile 2: BENT 2, STEEL PILE CRUTCH BENT 2 HAS 1 FT. OF RUST WITH 1/8 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/8 IN. SECTION LOSS



Bent 2 Pile 3: BENT 2, STEEL PILE CRUTCH BENT 3 HAS 1 FT. OF RUST WITH 1/16 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/16 IN. SECTION LOSS



Bent 2 Pile 4: BENT 2, PILE 4 HAS DECAY WITH A 3 IN. CORE REMAINING, FROM THE WATERLINE UP 2 FT.



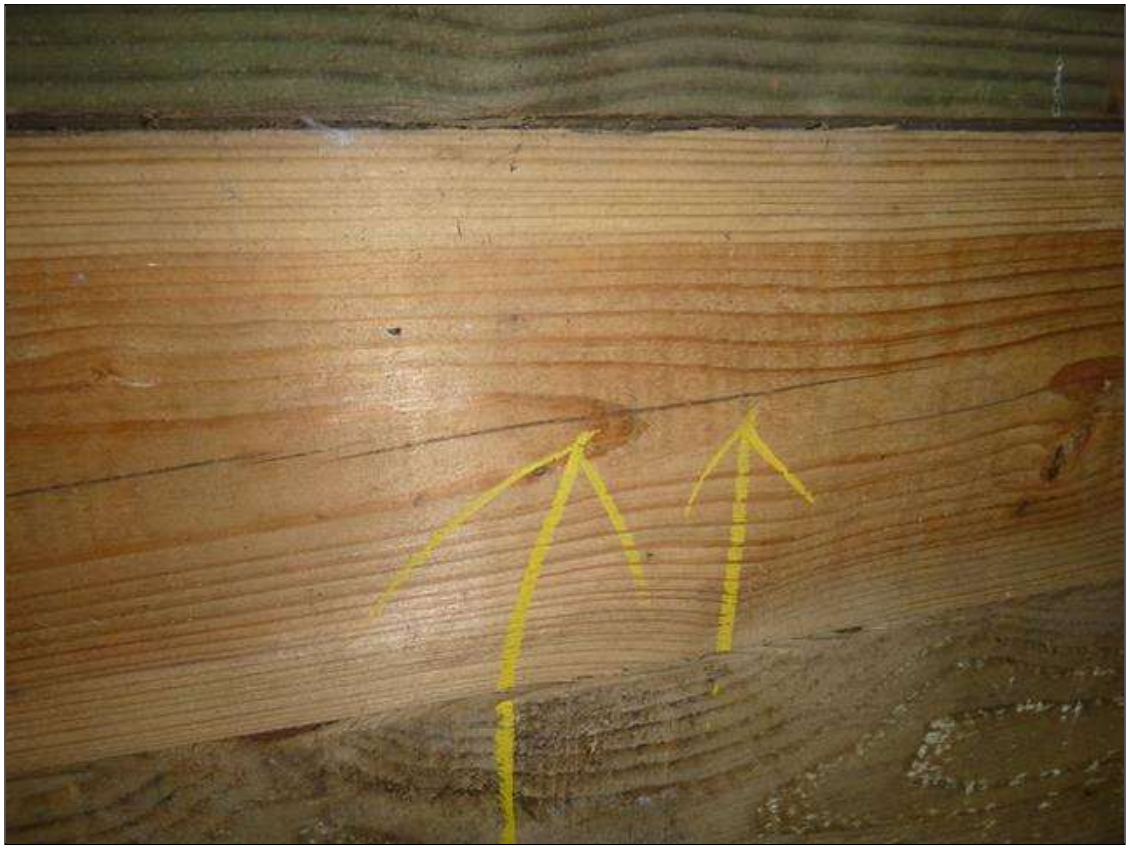
Bent 2 Pile 6: BENT 2, STEEL CRUTCH BENT PILE 6 HAS 1 FT. OF SURFACE RUST ON EACH END OF THE CROSS CAP AND 1 FT. OF SURFACE RUST ON THE TOP OF EACH PILE



Bent 2 Pile 7: BENT 2, PILE 7 HAS AREA OF DECAY IN THE RIGHT SIDE STARTING AT WATERLINE, 44 IN. HIGH X 7 IN. WIDE X 8 IN. DEEP. NOTE THAT BOAT WAS USED FOR INSPECTION.



End Bent 2 Abutment/Backwall : END BENT 2, TIMBER ABUTMENT HAS AREA OF DECAY BETWEEN PILES 1 AND 2, 8 FT. LONG X 8 IN. WIDE X 2 IN. DEEP



End Bent 2 Abutment/Backwall : END BENT 2, TIMBER ABUTMENT HAS 20 FT. OF HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING



End Bent 2 Cap 1: END BENT 2 TIMBER CAP HAS 25 FT. OF HAIRLINE TO 1/16 IN. WIDE LONGITUDINAL CRACKING



End Bent 2 Pile 4: END BENT 2, PILE 4 HAS AREA OF DECAY IN THE RIGHT SIDE AT GROUNDLINE, 27 IN. HIGH X 6 IN. WIDE X 9 IN. DEEP, PILE HAS A 2 IN. THICK OUTER SHELL



Span 3 Beam 1: SPAN 3, JOIST 1 HAS 15 FT. OF HAIRLINE TO 1/8 IN. WIDE LONGITUDINAL CRACKING



END BENT 1, CRUTCH BENT , PILE 4, HAS 1 FOOT OF SURFACE RUST, AT TOP.



END BENT 1, STEEL CRUTCH CAP, HAS 10 FT OF SURFACE RUST.



WEST APPROACH LOOKING EAST



APPROACH GUARD RAIL POST SPACING, 75 INCHES, AT NORTH WEST CORNER, SAME ALL CORNERS



APPROACH GUARD RAIL POST SPACING AT LEFT SIDE OF END BENT 1, 19 INCHES, 11 POST, SAME ALL 4 CORNERS



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



TOP OF DECK AT END BENT 1



POSTING SIGN AT RIGHT SIDE OF END BENT 1



DOWNSTREAM LOOKING SOUTH



UPSTREAM LOOKING NORTH



TOP OF DECK OVER BENT 1



TOP OF DECK OVER BENT 2



POSTING SIGN AT LEFT SIDE OF END BENT 2



EAST APPROACH LOOKING WEST



APPROACH GUARD RAIL END AT THE NORTH EAST CORNER



APPROACH GUARD RAIL END AT THE SOUTH EAST CORNER



END BENT 2, LEFT WINGWALL



BENT 2, SPAN 3 SIDE



SUPERSTRUCTURE IN SPAN 3 LOOKING WEST



END BENT 2, RIGHT WINGWALL



END BENT 2



LEFT SIDE OF BRIDGE LOOKING DOWNSTREAM, LOOKING SOUTH



RIGHT SIDE OF BRIDGE LOOKIG UPSTREAM, LOOKING NORTH



END BENT 1, LEFT WINGWALL



END BENT 1



STEEL CRUTCH BENT AT END BENT 1



TOP OF DECK AT END BENT 2



LEFT BRIDGE RAIL AT SPAN 2



BENT 2, SPAN 2 SIDE, BOAT USED FOR INSPECTION



END BENT 1, RIGHT WINGWALL



BENT 1, SPAN 1 SIDE.

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE 420133
(8) STRUCTURE NUMBER(FEDERAL) 000000000850133
(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
(7) FACILITY CARRIED SR1722
(9) LOCATION 0.3MI.W.JCT.SR1715
(11)MILEPOINT 0
(16)LAT 35° 20' 52.21" (17)LONG 78° 37' 26.84"
(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 6 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 17 FT
(49) STRUCTURE LENGTH 53 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 = 27.06
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 7
(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 1
(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 0111
(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: 02/08/2017

COUNTY :	DIVISION :	DISTRICT:	STRUCTURE NUMBER :	LENGTH :
HARNETT	6	2	420133	53 FEET

ROUTE CARRIED : SR1722

FEATURE INTERSECTED : BLACK RIVER

LOCATED : 0.3MI.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	16 FT		7	FT

SUPERSTRUCTURE : RC DECK/TIMBER JOIST(STD.BMD-10)

SUBSTRUCTURE : E.BTS&INT.BTS:TIM.CAP/TIM.PILES;STL.CRUTCH BTS

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

BEAMS OR GIRDERS : 19 LINES 6X12 TIMBER JOIST @ 1'4 CENTERS

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
5 RC/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	Int Joist B	SV	19	TTST 28	DATE	07/17/2014

SYSTEM : Secondary S.R. Route

GREEN LINE ROUTE : N

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 420133 County HARNETT Date: 06/22/2016

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3344	Repair / Replace Timber Substructure Components	LF	1	Bent 1 Pile 1: END BENT 1, PILE 1 HAS A AREA OF DECAY IN THE EAST FACE, 6 IN. HIGH X 3 IN. WIDE X 4 IN. DEEP, LOCATED 12 IN. BELOW BOTTOM OF CAP	
3344	Repair / Replace Timber Substructure Components	LF	3	Bent 2 Pile 4: END BENT 2, PILE 4 HAS AREA OF DECAY IN THE RIGHT SIDE AT GROUND-LINE, 27 IN. HIGH X 6 IN. WIDE X 9 IN. DEEP, PILE HAS A 2 IN. THICK OUTER SHELL	
3354	Maintain Steel Substructure Components	LF	4	Bent 1 Pile 5: BENT 1, STEEL PILE CRUTCH BENT 5 HAS 1 FT. OF RUST WITH 1/8 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/8 IN. SECTION LOSS	
3354	Maintain Steel Substructure Components	LF	6	Bent 1 Pile 6: BENT 1, STEEL PILE CRUTCH BENT 6, HAS 1 FT. OF RUST WITH 1/16 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 2 FT. OF RUST ON THE TOP OF THE PILES WITH 1/16 IN. SECTION LOSS	
3354	Maintain Steel Substructure Components	LF	4	Bent 2 Pile 2: BENT 2, STEEL PILE CRUTCH BENT 2 HAS 1 FT. OF RUST WITH 1/8 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/8 IN. SECTION LOSS	
3354	Maintain Steel Substructure Components	LF	4	Bent 2 Pile 3: BENT 2, STEEL PILE CRUTCH BENT 3 HAS 1 FT. OF RUST WITH 1/16 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/16 IN. SECTION LOSS	
3354	Maintain Steel Substructure Components	LF	5	Bent 1 Pile 2: BENT 1, STEEL PILE CRUTCH BENT 2 HAS 1 FT. OF RUST WITH 1/32 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/32 IN. SECTION LOSS	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 420133 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	1 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Maintenance Work In Process

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

Details
Bent 1 Pile 1: END BENT 1, PILE 1 HAS A AREA OF DECAY IN THE EAST FACE, 6 IN. HIGH X 3 IN. WIDE X 4 IN. DEEP, LOCATED 12 IN. BELOW BOTTOM OF CAP

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

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Maintenance Work In Process

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

Details
Bent 2 Pile 4: END BENT 2, PILE 4 HAS AREA OF DECAY IN THE RIGHT SIDE AT GROUND-LINE, 27 IN. HIGH X 6 IN. WIDE X 9 IN. DEEP, PILE HAS A 2 IN. THICK OUTER SHELL

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 420133 County HARNETT

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

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

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Maintenance Work In Process

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

Details
Bent 1 Pile 5: BENT 1, STEEL PILE CRUTCH BENT 5 HAS 1 FT. OF RUST WITH 1/8 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/8 IN. SECTION LOSS

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	6 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Maintenance Work In Process

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

Details
Bent 1 Pile 6: BENT 1, STEEL PILE CRUTCH BENT 6, HAS 1 FT. OF RUST WITH 1/16 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 2 FT. OF RUST ON THE TOP OF THE PILES WITH 1/16 IN. SECTION LOSS

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 420133 County HARNETT

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

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

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
06/25/2016	MARK WADE	

Details

Bent 2 Pile 2: BENT 2, STEEL PILE CRUTCH BENT 2 HAS 1 FT. OF RUST WITH 1/8 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/8 IN. SECTION LOSS

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

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
06/25/2016	MARK WADE	

Details

Bent 2 Pile 3: BENT 2, STEEL PILE CRUTCH BENT 3 HAS 1 FT. OF RUST WITH 1/16 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/16 IN. SECTION LOSS

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 420133 County HARNETT

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

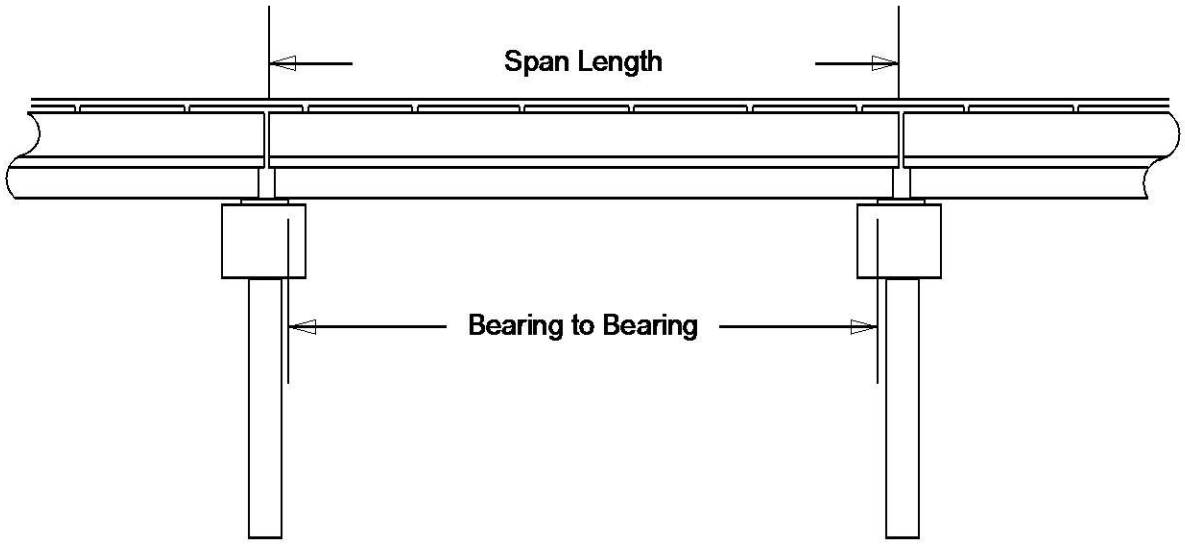
MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	5 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
06/25/2016	MARK WADE	

Details
Bent 1 Pile 2: BENT 1, STEEL PILE CRUTCH BENT 2 HAS 1 FT. OF RUST WITH 1/32 IN. SECTION LOSS ON EACH END OF THE CROSS CAP AND 1 FT. OF RUST ON THE TOP OF THE PILES WITH 1/32 IN. SECTION LOSS

Structure Data Worksheet

County: HARNETT Structure No: 420133 Date: 06/22/2016 Inspected By: MSW



Span No	Span Length	Bearing to Bearing	Comments
1	18	14.5	NBIS BRIDGE LENGTH= 51.0 FT.BEARING = END BENT 1 CRUTCH BENT TO BENT 1
2	17	16	
3	18	17	
X	X		X

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 420133 County: HARNETT Date: 06/22/2016 By: MSW

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

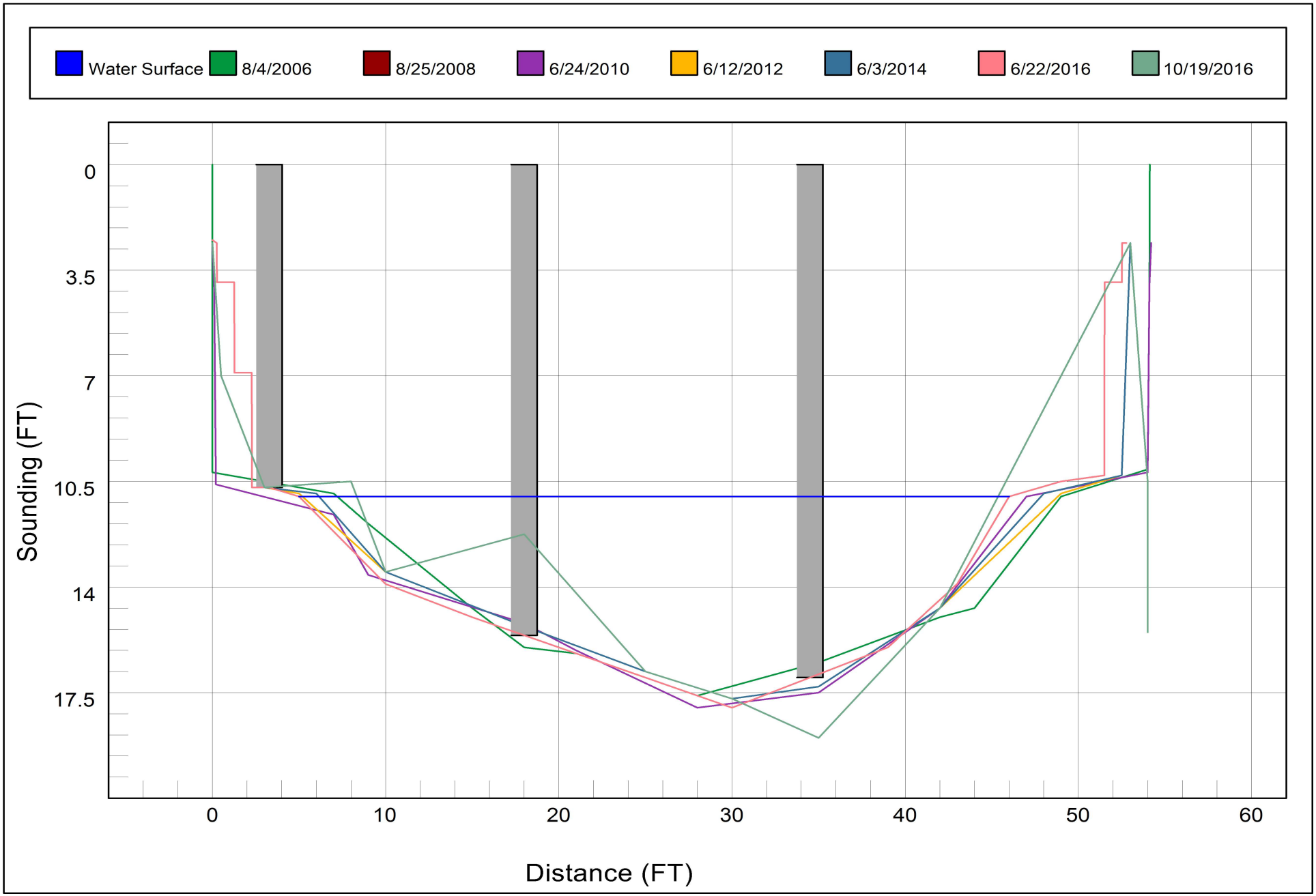
Distance from Highwater Mark to top of rail: Location of Highwater Mark:

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.5	TOP OF WINGWALL			
0.25	2.6	TOP OF WINGWALL			
0.26	3.9	Top of Cap			
1.26	3.9	Top of Cap			
1.27	6.9	TOP OF FOOTING			
2.27	6.9	FACE OF FOOTING	2.27	13.3	BED
2.28	10.7	GL			
3.28	10.7	CRUTCH BENT	3.28	13.5	CRUTCH BENT
5	11	WSWE			
10	13.9	BED			
15	15	BED			
18	15.6	BENT 1	18	17.8	BENT 1
24	16.8	BED			
30	18	BED			
34.5	17	BENT 2	34.5	16.9	BENT 2
39	16	BED			
43	13.9	BED			
46	11	WSWE			
49	10.5	GL			
51.5	10.3	GL			
51.51	3.9	Top of Cap			
52.51	3.9	Top of Cap			
52.52	2.6	TOP OF WIING			
52.77	2.6	TOP OF WINGWALL			

Bridge: 420133 County HARNETT Date: 06/22/2016

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

SR 1722



LOOKING EAST

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		

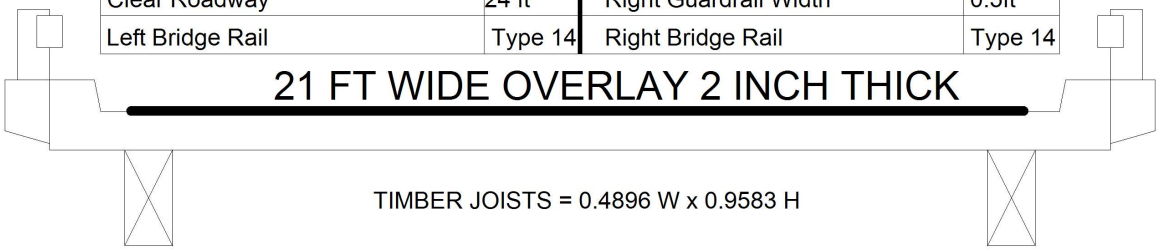
SKETCH REDRAWN 6/22/16 MSW

Title	**Description**		
APPROACH ROADWAY	LOOKING EAST		
Bridge No: 420133	**Drawn By:** EC BLAKE	**Date:** 08/01/2006	**File Name:** S0070000639

Bridge Inspection Field Sketch

DISTANCE BETWEEN NEW APPROACH GUARDRAILS = 23.792'

Deck Width/Out to Out	25.333ft	Wearing Surface	0.208ft
Between Rails	25.5ft	Median Width	
Curb Height	0.667ft	Median Height	
Top Rail to Deck/Wearing Surface	2.083ft	Left Guardrail Width	0.5ft
Clear Roadway	24 ft	Right Guardrail Width	0.5ft
Left Bridge Rail	Type 14	Right Bridge Rail	Type 14



TIMBER JOISTS = 0.4896 W x 0.9583 H

Measurements for Spans #	1	SPAN 3 SIM.	
Deck Thickness	0.4167	Left Overhang	0.667
Top of Rail to Bottom of Beam	3.92	Right Overhang	0.667

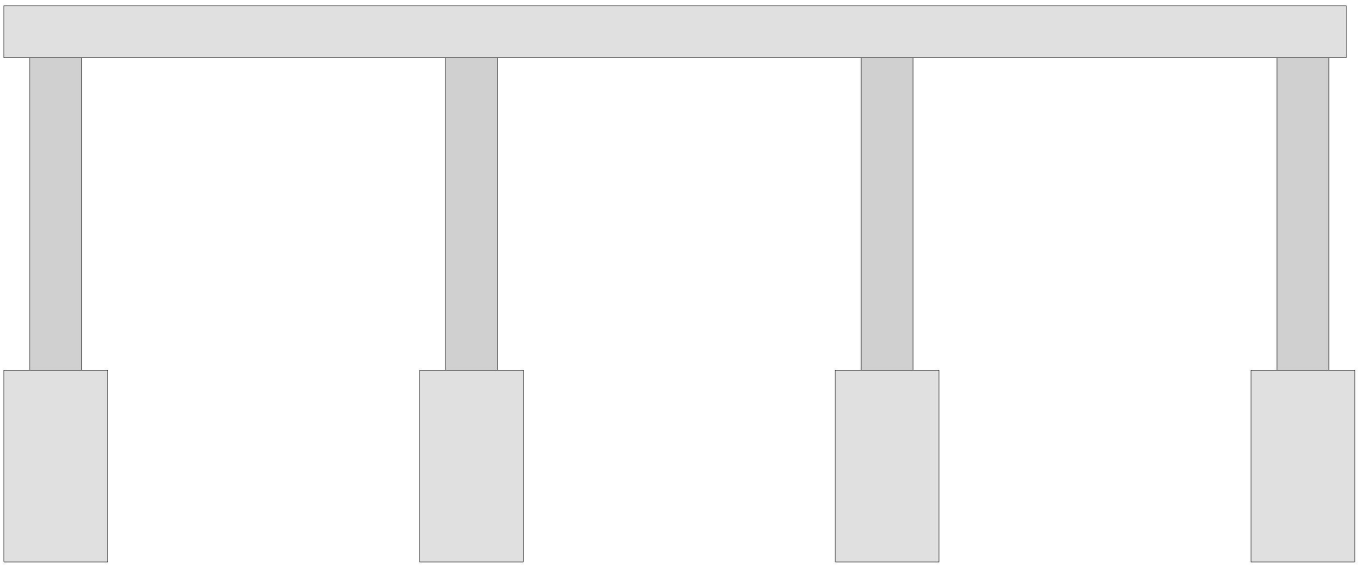
Beam No	Beam Type	Spacing	Comments
1	Timber (Rectangular)	1.33ft	JOIST SPACING SPAN 2 - JOIST 1 1.292'
2	Timber (Rectangular)	1.33ft	1.33ft
3	Timber (Rectangular)	1.33ft	1.33ft
4	Timber (Rectangular)	1.33ft	1.33ft
5	Timber (Rectangular)	1.33ft	1.33ft
6	Timber (Rectangular)	1.33ft	1.33ft
7	Timber (Rectangular)	1.33ft	1.33ft
8	Timber (Rectangular)	1.33ft	1.33ft
9	Timber (Rectangular)	1.33ft	1.33ft
10	Timber (Rectangular)	1.33ft	1.33ft
11	Timber (Rectangular)	1.33ft	1.33ft
12	Timber (Rectangular)	1.33ft	1.33ft
13	Timber (Rectangular)	1.33ft	1.33ft
14	Timber (Rectangular)	1.33ft	1.33ft
15	Timber (Rectangular)	1.33ft	1.33ft
16	Timber (Rectangular)	1.33ft	1.33ft
17	Timber (Rectangular)	1.33ft	1.33ft
18	Timber (Rectangular)	1.33ft	JOIST SPACING SPAN 2 - JOIST 18 1.833'
19	Timber (Rectangular)		

MEASUREMENTS REVISED ADO JSF 6-03-2014
MODIFIED 6/22/16 MSW

Title	Description
TYPICAL SECTION	19 LINES OF TIMBER JOISTS

Bridge No:	Drawn By:	Date:	File Name:
420133	JSF	06/03/2014	S0070000640

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.
25.833 ft.	.958 ft.	1.000 ft.	1.000 ft.	.833 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	8 ft.	1 ft.			Vertical	Yes	No	No	Yes
2	Timber	8 ft.	1 ft.			Vertical	Yes	No	No	Yes
3	Timber	8 ft.	1 ft.			Vertical	Yes	No	No	Yes
4	Timber		1 ft.			Vertical	Yes	No	No	Yes

Bent/Abutment #: 1 Similar Bents:

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

Bridge No: 420133	**Drawn By:** MSW	**Date:** 6/25/2016	**File Name:** S0206001058

Bridge Inspection Field Sketch

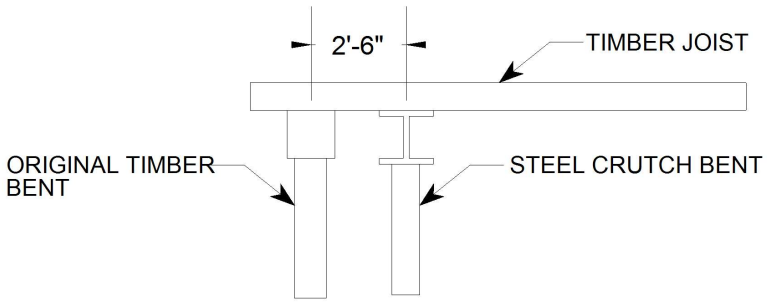


Cap Information			Material Steel			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
26.0 ft.	1.000 ft.	1.000 ft.	3.25 ft.	2.750 ft.	.750 ft.	.750 ft.

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

Sill Information			Material
Length	Width	Height	MEASUREMENTS VERIFIED ADO JSF 6-03-2014

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Steel	6.667 ft.	0.875 ft.	0.833 ft.		Vertical	Yes	No	No	No
2	Steel	6.667 ft.	0.875 ft.	0.833 ft.		Vertical	Yes	No	No	No
3	Steel	6.667 ft.	0.875 ft.	0.833 ft.		Vertical	Yes	No	No	No
4	Steel		0.875 ft.	0.833 ft.		Vertical	Yes	No	No	No



DOWNSTREAM END VIEW OF END BENT 1

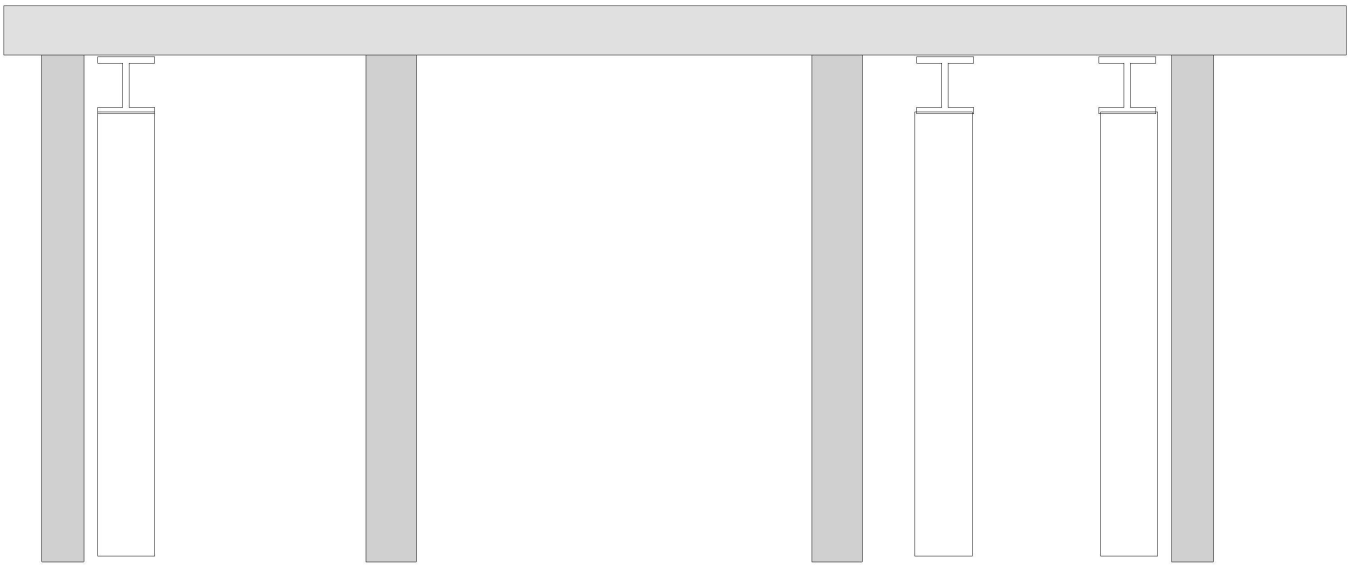
MODIFIED 6/22/16 MSW

End Bent #: 1

Title	Description
END BENT 1 PROFILE	CRUTCH BENT AT END BENT 1

Bridge No:	Drawn By:	Date:	File Name:
420133	KMM	6/14/2012	S0374000172

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.
25.633 ft.	.979 ft.	.979 ft.	1.5 ft.	1 ft.	.75 ft.	.75 ft.

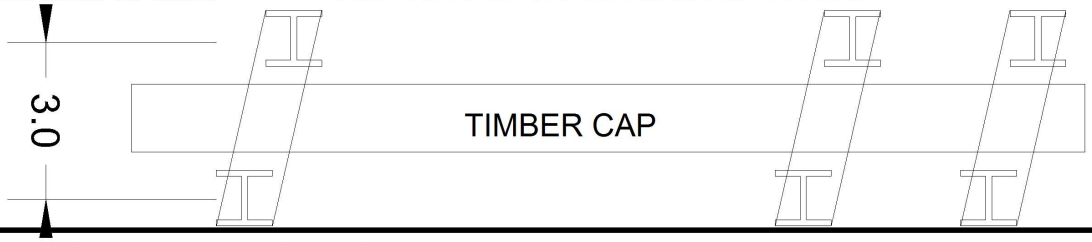
Subcap Information			Material		
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.

Sill Information			Material
Length	Width	Height	MEASUREMENTS REVISED ADO JSF 6-03-2014

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	1 ft.	1 ft.			Vertical	Yes	No	No	No
2	Steel	6.333 ft.	.833 ft.	.833 ft.		Vertical	Yes	No	No	No
3	Timber	8.33 ft.	1 ft.			Vertical	Yes	No	No	No
4	Timber	1.667 ft.	1 ft.			Vertical	Yes	No	No	No
5	Steel	5.0 ft.	.833 ft.	.833 ft.		Vertical	Yes	No	No	No
6	Steel	.833 ft.	.833 ft.	.833 ft.		Vertical	Yes	No	No	No
7	Timber		1 ft.			Vertical	Yes	No	No	No

MODIFIED 6/22/16 MSW

TOP VIEW OF H-PILE CRUTCH BENTS

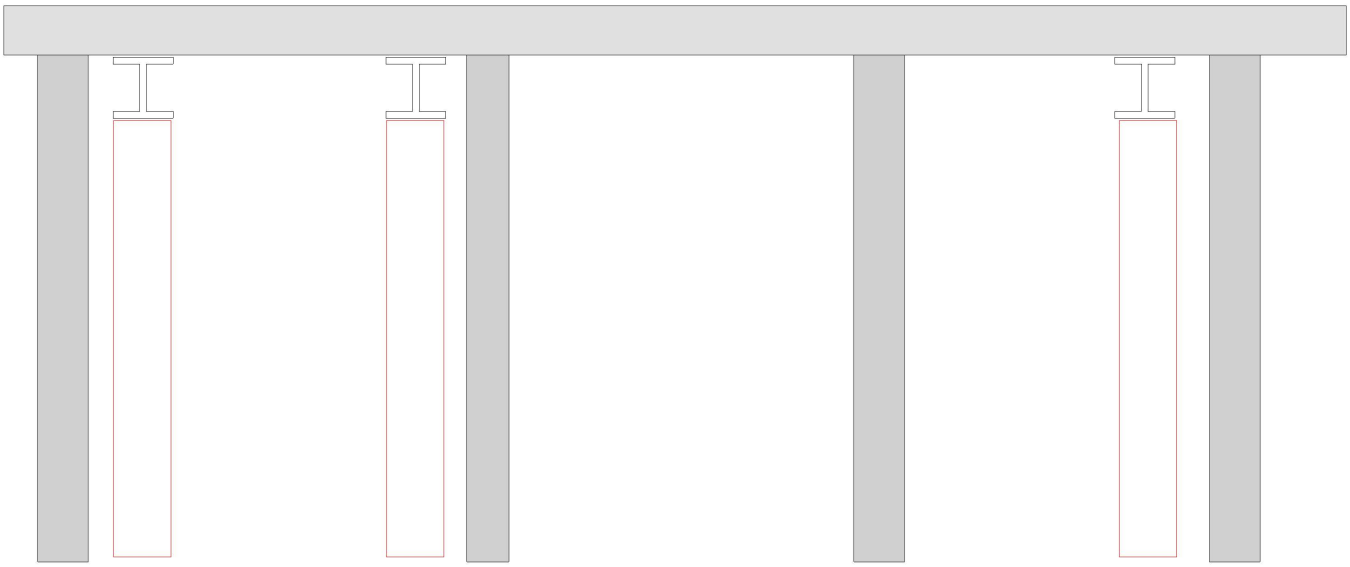


Bent/Abutment #: 1 Similar Bents:

Title	Description
BENT 1 PROFILE	BENT 1

Bridge No:	Drawn By:	Date:	File Name:
420133	JSF	06/03/2014	S0070000642

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.
26.663 ft.	.979 ft.	.979 ft.	1 ft.	.75 ft.	.75 ft.	.6667 ft.

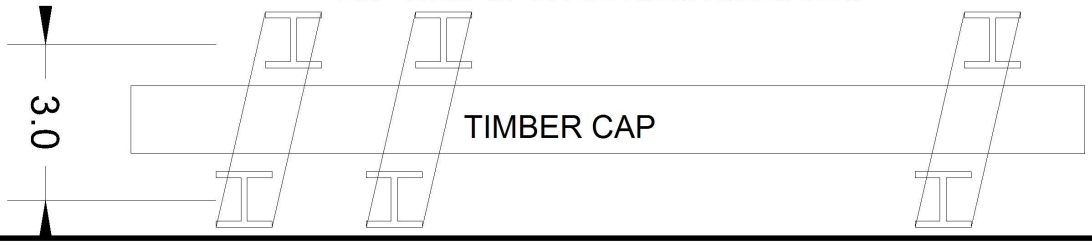
Subcap Information			Material		
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.

Sill Information			Material
Length	Width	Height	MEASUREMENTS REVISED ADO JSF 6-03-2014

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	1.75 ft.	1 ft.			Vertical	Yes	No	No	Yes
2	Steel	5.25 ft.	.833 ft.	.833 ft.		Vertical	Yes	No	No	No
3	Steel	1.083 ft.	.833 ft.	.833 ft.		Vertical	Yes	No	No	No
4	Timber	8 ft.	1 ft.			Vertical	Yes	No	No	No
5	Timber	6.5 ft.	1 ft.			Vertical	Yes	No	No	No
6	Steel	1.333 ft.	.833 ft.	.833 ft.		Vertical	Yes	No	No	No
7	Timber		1 ft.			Vertical	Yes	No	No	No

MODIFIED 6/22/16 MSW

TOP VIEW OF H-PILE CRUTCH BENTS



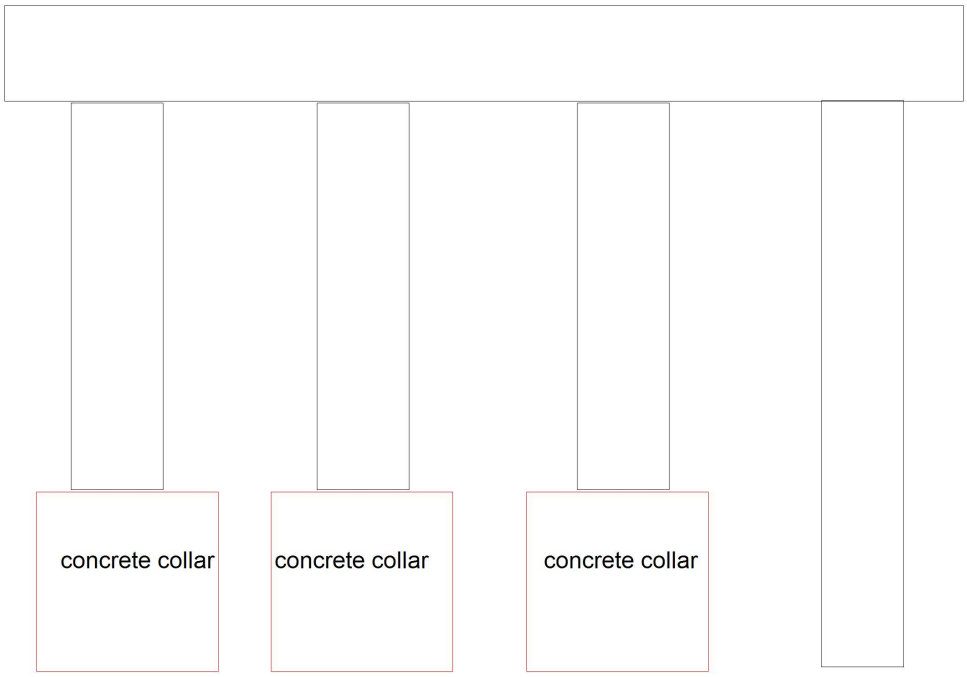
Bent/Abutment #: 2 Similar Bents:

Title
BENT 2 PROFILE

Description
BENT 2

Bridge No: 420133 **Drawn By:** JSF **Date:** 06/03/2014 **File Name:** S0070000643

Bridge Inspection Field Sketch



End Bent #	1	End Bent 2 similar	
Cap - Beam Type (Wood)			
Cap Size	26.416 ft Length	0.979ft Wide	0.979ft High
Left Overhang	.9167 ft	Lt Cap/Beam Overhang	.75 ft
Right Overhang	.833 ft	Rt Cap/Beam Overhang	.75 ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	8.417 ft.		1.0 DIA		Vertical
2	Wood or Timber	Pile Bent	8.25 ft.		1.0 DIA		Vertical
3	Wood or Timber	Pile Bent	8.0 ft.		1.0 DIA		Vertical
4	Wood or Timber	Pile Bent			1.0 DIA		Vertical

MEASUREMENTS VERIFIED ADO JSF 6-03-2014

MODIFIED 6/22/16 MSW

Title	Description
END BENT 2	TIMBER POST AND BEAM

Bridge No:	Drawn By:	Date:	File Name:
420133	EC BLAKE	08/01/2006	S0070000641