



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: REDRAWN SUPSTRUCTURE SKETCHES,
TEMPORARY SHORING REPAIR PILES.

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: BLADEN STRUCTURE NUMBER: 080198 FREQUENCY: 24 MONTHS
FACILITY CARRIED: SR1536 MILE POST: _____
LOCATION: 1.0 MI N. OF JCT NC53
FEATURE INTERSECTED: KELLY CREEK
LATITUDE: 34° 29' 8.76" LONGITUDE: 78° 19' 16.61"
SUPERSTRUCTURE: TIMBER FLOOR ON TIMBER JOISTS
SUBSTRUCTURE: EBTS&IBTS:TIMBER CAP/TIMBER PILES @ VAR.CTS.
SPANS: 1@17'8,1@17'1;1@16'8
☐ FRACTURE CRITICAL ☒ TEMPORARY SHORING ☐ SCOUR CRITICAL ☐ SCOUR PLAN OF ACTION
PRESENT CONDITION: Fair INSPECTION DATE: 06/16/2016
POSTED SV: 15 POSTED TTST: 22
OTHER SIGNS PRESENT: 4 DELINEATORS



SOUTH APPROACH LOOKING NORTH

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

INSPECTED BY
H.W. HICKS, JR.

SIGNATURE

ASSISTED BY T.L. GOINS

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

BRIDGE: **080198** COUNTY: **Bladen** DATE: **3/29/2012**

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 :

	<u>CODE</u>	<u>BY</u>
S I & A ITEM 103 - TEMPORARY STRUCTURE DESIGNATION	T	TSE
S I & A ITEM 59 - SUPERSTRUCTURE		
S I & A ITEM 60 - SUBSTRUCTURE	4	TSE
S I & A ITEM 64 OPERATING RATING		
HS		BY:
S I & A ITEM 66 - INVENTORY RATING		
HS		BY:

*3/29/12***COMMENTS**

Some piles are encased with concrete.

Temporary Repairs

Structure Element Scoring

Structure Number: 080198

Inspection Date 6/16/2016

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
31	0	Timber Deck	Deck	1310	1310	0	0	0
111	0	Timber Open Girder/Beam	Beam	1008	949	56	3	0
216	0	Timber Abutment	Abutments	68	58	10	0	0
228	0	Timber Pile	Piles and Columns	20	13	7	0	0
235	0	Timber Pier Cap	Caps	109	109	0	0	0
332	0	Timber Bridge Railing	Bridge Rail	107	94	13	0	0
510	0	Wearing Surface	Wearing Surfaces	1237	187	0	1050	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 080198

Inspection Date: 06/16/2016

MMS Code	Element Name	Defect Name	Recommended Quantity
3304	Timber Open Girder/Beam	Check/Shake	30 Feet
3304	Timber Open Girder/Beam	Split/Delamination (Timber)	3 Feet
3346	Timber Abutment	Decay/Section Loss	6 Feet
3344	Timber Pile	Decay/Section Loss	2 Each
3344	Timber Pile	Check/Shake	18 Each
3316	Timber Bridge Railing	Decay/Section Loss	13 Feet
2816	Wearing Surface	Crack (Wearing Surface)	1050 Square Feet

Element Structure Maintenance Quantities

Structure Number: 080198

Inspection Date 06/16/2016

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3346	Maintenance of Timber Bulkheads or Wingwalls	6	68	0	0	10	58
Beam	3304	Maintenance of Timber of Superstructure Component	33	1008	0	3	56	949
Bridge Rail	3316	Maintenance of Timber Bridge Rail	13	107	0	0	13	94
Caps	3344	Maintenance To Timber Substrcutre	0	109	0	0	0	109
Deck	3324	Maintenance of Timber Deck Components	0	1310	0	0	0	1310
Piles and Columns	3344	Maintenance To Timber Substrcutre	20	20	0	0	7	13
Wearing Surfaces	2816	Asphalt Surface Repair	1050	1237	0	1050	0	187

Element Condition and Maintenance Data

Structure Number: 080198

Inspection Date: 06/16/2016

Span 1 Deck

Timber Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
31	Timber Deck	450	450	0	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
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	425	75	0	350	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
510	Crack (Wearing Surface)	TRANSVERSE CRACKS UP TO 1" OPEN ALONG FLOOR BOARDS JOINTS, 8" TO 16" APART.	3	350	350		Square Feet
General Comments							

Span 1 Left Bridge Rail

Timber Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
332	Timber Bridge Railing	18	15	3	0	0	Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
332	Decay/Section Loss	WHEELGUARD HAS DECAYED AREA 3" X 36" X 3" DEEP.	2	3	3		Feet
General Comments							

Span 1 Right Bridge Rail

Timber Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
332	Timber Bridge Railing	18	18	0	0	0	Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
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	19	0	0	0	Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		

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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	15	4	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
111	Check/Shake	CHECKING ON BOTH VERTICAL FACES NEAR MIDSPAN.	2	4	4 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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	13	6	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
111	Check/Shake	CHECKING ON VERTICAL FACES NEAR MIDSPAN.	2	6	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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	12	7	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
111	Check/Shake	WEATHER CHECKING ON EXTERIOR VERTICAL FACE NEAR MIDSPAN.	2	7	Feet

General Comments

Span 2

Deck

Timber Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
31	Timber Deck	435	435	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	411	61	0	350	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE CRACKS UP TO 1" OPEN, 8" TO 16" APART ALONG FLOOR BOARD JOINTS.	3	350	350	Square Feet

General Comments

Span 2 Left Bridge Rail

Timber Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
332	Timber Bridge Railing	18	8	10	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
332	Decay/Section Loss	WHEEL GUARD HAS 2" X 3" X 10' LONG SECTION SPLINTERED OFF.	2	10	10	Feet

General Comments

Span 2 Right Bridge Rail

Timber Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
332	Timber Bridge Railing	18	18	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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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	12	7	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
111	Check/Shake	WEATHER CHECKING ON EXTERIOR VERTICAL FACE NEAR MIDSPAN.	2	7		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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	0	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
111	Split/Delamination (Timber)	SPLINTER 3" X 12" X 1-3/8" DEEP AT SEAT AREA BENT 2 END.	3	1	1 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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	13	6	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
111	Check/Shake	CHECKING ON BOTH VERTICAL FACES NEAR MIDSPAN.	2	6	6 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	18	0	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
111	Split/Delamination (Timber)	SPLINTER 3" X 9" X 1-1/4" DEEP IN SEAT AREA AT BENT 2 END.	3	1	1 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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	19	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	9	10	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
111	Check/Shake	WEATHER CHECKING ON VERTICAL EXTERIOR FACE.	2	10	10 Feet

General Comments

Span 3 Deck

Timber Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
31	Timber Deck	425	425	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	401	51	0	350	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE CRACKS UP TO 1" OPEN, 8" TO 16" APART ALONG FLOOR BOARD JOINTS.	3	350	350	Square Feet
General Comments						

Span 3	Left Bridge Rail
Timber Rail	

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
332	Timber Bridge Railing	18	18	0	0	0	Feet

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

Span 3	Right Bridge Rail
Timber Rail	

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
332	Timber Bridge Railing	17	17	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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	18	18	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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	18	18	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	18	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	18	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	18	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	18	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	12	6	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
111	Check/Shake	CHECKING ON BOTH VERTICAL FACES NEAR MIDSPAN.	2	6	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	18	18	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	18	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	18	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	18	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	18	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	17	0	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	18	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	18	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	18	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	18	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	18	8	10	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
111	Check/Shake	WEATHER CHECKING ON EXTERIOR VERTICAL FACE.	2	10	10 Feet

General Comments

Bent 1 Abutment

Timber Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
216	Timber Abutment	36	32	4	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
216	Decay/Section Loss	SPOT DECAY UP TO 1-1/2" DEEP ALONG GROUNDLINE AND AT RANDOM ON BULKHEAD BOARDS.	2	4	Feet

General Comments

Bent 1 Timber Pier Cap 2

Timber Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
235	Timber Pier Cap	15	15	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Decay/Section Loss	CONCRETE JACKET REPAIR. (TEMPORARY SHORING)	2	1	Each

General Comments

CONCRETE JACKET REPAIR

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	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Decay/Section Loss	CONCRETE JACKET REPAIR (TEMPORARY SHORING)	2	1	1 Each

General Comments

CONCRETE JACKET REPAIR.

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	1	0	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	1	0	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	1	0	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	1	0	0	0	Each

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

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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	WEATHER CHECKING UP TO 1/32" OPEN FULL HEIGHT.	2	1	6 Each

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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	WEATHER CHECKING UP TO 1/8" OPEN ON SOUTH AND EAST FACES.	2	1	6 Each

General Comments

Bent 2

Abutment

Timber Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
216	Timber Abutment	32	26	6	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
216	Decay/Section Loss	TEMPORARY PATCHWORK BETWEEN PILES 4 AND 5.	2	6	6 Feet

General Comments

Bent 2

Saved Pile 1

Timber Pile

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

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

Bent 2

Saved Pile 3

Timber Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Check/Shake	WEATHER CHECKING UP TO 1/16" OPEN ON NORTH AND EAST FACES.	2	1	6 Each

General Comments

Bent 2

Saved Pile 5

Timber Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Decay/Section Loss	CONCRETE REPAIR JACKET FULL HEIGHT. (TEMPORARY SHORING)	2	1	Each

General Comments

CONCRETE REPAIR JACKET.

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	12	12	0	0	0 Feet

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

Bent 2 Timber Pier Cap 2**Timber Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
235	Timber Pier Cap	15	15	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	1	0	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	1	0	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Decay/Section Loss	CONCRETE REPAIR JACKET FULL HEIGHT. (TEMPORARY SHORING)	2	1	1 Each

General Comments

CONCRETE REPAIR JACKET.

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	1	0	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: 080198

Inspection Date: 06/16/2016

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	1	0	0	0 Each

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

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Timber Deck	Timber Deck	450
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	Left Bridge Rail	Timber Rail	Timber Bridge Railing	18
Span 1	Right Bridge Rail	Timber Rail	Timber Bridge Railing	18
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	425
Bent 1		Timber Pier Cap	Timber Pier Cap	12
Bent 1		Timber Pier Cap	Timber Pier Cap	15
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1		Timber Pile	Timber Pile	1
Bent 1	Abutment	Timber Abutment	Timber Abutment	36
Span 2	Deck	Timber Deck	Timber Deck	435
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
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

Elements Verified

Location	Name	Component	Element Name	Amount
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	Left Bridge Rail	Timber Rail	Timber Bridge Railing	18
Span 2	Right Bridge Rail	Timber Rail	Timber Bridge Railing	18
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	411
Bent 2		Timber Pier Cap	Timber Pier Cap	12
Bent 2	Cap 1	Timber Pier Cap	Timber Pier Cap	12
Bent 2		Timber Pier Cap	Timber Pier Cap	15
Bent 2	Cap 2	Timber Pier Cap	Timber Pier Cap	16
Bent 2		Timber Pile	Timber Pile	1
Bent 2	Saved Pile 1	Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2	Saved Pile 2	Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2	Saved Pile 3	Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2	Saved Pile 4	Timber Pile	Timber Pile	1
Bent 2		Timber Pile	Timber Pile	1
Bent 2	Saved Pile 5	Timber Pile	Timber Pile	1
Bent 2	Abutment	Timber Abutment	Other Abutments	32
Bent 2	Abutment	Timber Abutment	Timber Abutment	32
Span 3	Deck	Timber Deck	Timber Deck	425
Span 3	Beam 1	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 2	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 3	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 4	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 5	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 6	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 7	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 8	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 9	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 10	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 11	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 12	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 13	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 14	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 15	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 16	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 17	Timber Joist	Timber Open Girder/Beam	18
Span 3	Beam 18	Timber Joist	Timber Open Girder/Beam	18
Span 3	Left Bridge Rail	Timber Rail	Timber Bridge Railing	18
Span 3	Right Bridge Rail	Timber Rail	Timber Bridge Railing	17
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	401

National Bridge and NC Inspection Items

Structure Number: 080198

Inspection Date: 06/16/2016

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	7
Item 59: Superstructure	0 - 9 , N	7
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	1300	3376
Drainage System	G, F, P, or C	G	0	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	60	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	16		

Note: If NC SMU Inspection 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	N
Inspection Time	Hours	12
Traffic Control Time	Hours	0
Snooper Time	Hours	0
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	Y

National Bridge and NC SMU Inspection Item Details

Structure Number: 080198

Inspection Date: 06/16/2016

Item	Presently Posted	Grade	Y	Maint Code	Qty.	0
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Details SV 15 TONS TTST 22 TONS

Item	Other Equipment Used	Grade	Y	Maint Code	Qty.	0
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Details WADERS

Item	Deck Debris	Grade	F	Maint Code	3376	Qty.	1300
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Details ENTIRE DECK SURFACE HAS SAND COVERING LESS THAN 1/4" DEEP.

Item	Wingwalls	Grade	F	Maint Code	3350	Qty.	60
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Details WINGWALL BOARDS AT NORTHEAST CORNER ARE DECAYED ON ENDS UP TO 3" DEEP.

WINGWALL BOARDS AT NORTHWEST CORNER HAVE SPOT DECAY UP TO 2" DEEP.



Span 1 Wearing Surface: TRANSVERSE CRACKS UP TO 1" OPEN ALONG FLOOR BOARDS JOINTS, 8" TO 16" APART.



Span 2 Wearing Surface: TRANSVERSE CRACKS UP TO 1" OPEN, 8" TO 16" APART ALONG FLOOR BOARD JOINTS.



Span 3 Wearing Surface: TRANSVERSE CRACKS UP TO 1" OPEN, 8" TO 16" APART ALONG FLOOR BOARD JOINTS.



Span 2 Beam 4: SPLINTER 3" X 12" X 1-3/8" DEEP IN SEAT AREA AT BENT 2 END.



Span 2 Beam 13: SPLINTER SECTION 3" X 9" X 1-1/4" DEEP IN SEAT AREA AT BENT 2 END.



End Bent 2 Abutment/Backwall : TEMPORARY PATCHWORK BETWEEN PILES 4 AND 5.



SOUTH APPROACH LOOKING NORTH



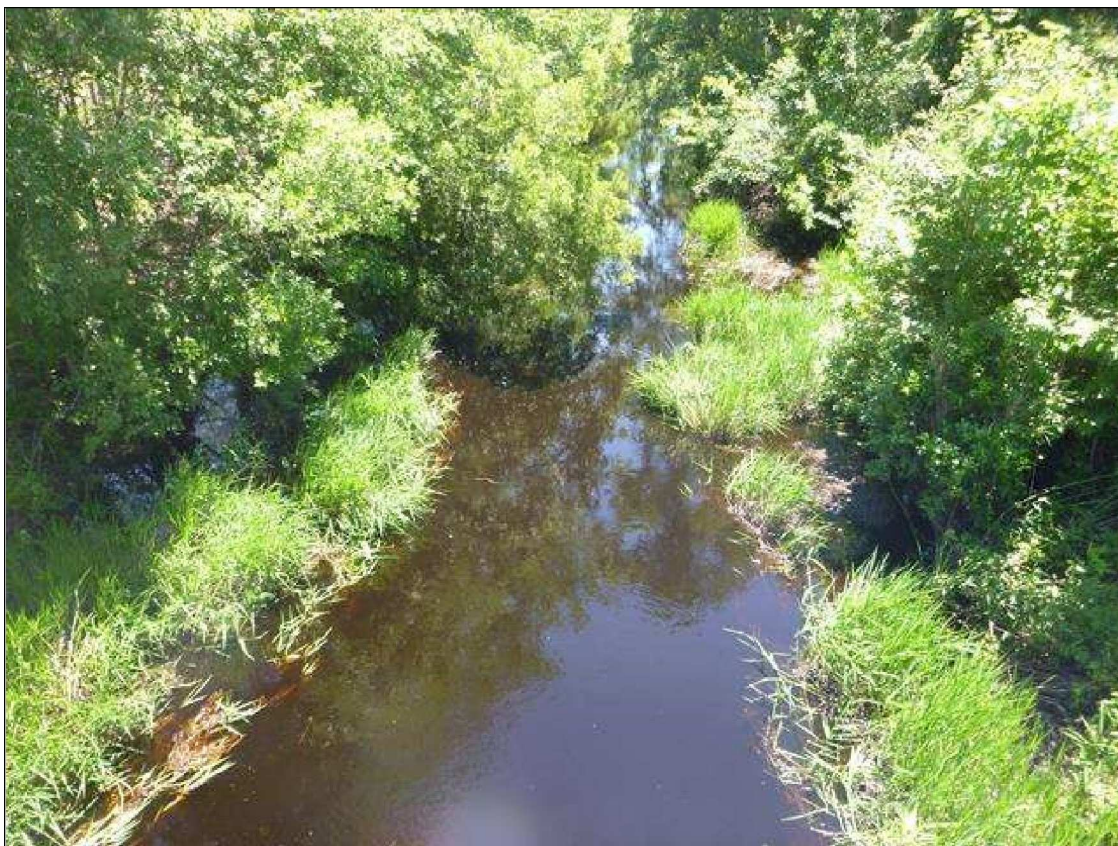
POSTING SV 15 TONS TTST 22 TONS SOUTH END



LOOKING WEST



LOOKING EAST



DOWNSTREAM



UPSTREAM



NORTH APPROACH LOOKING SOUTH



POSTING SV 15 TONS TTST 22 TONS NORTH END



END BENT 1 LOOKING SOUTH



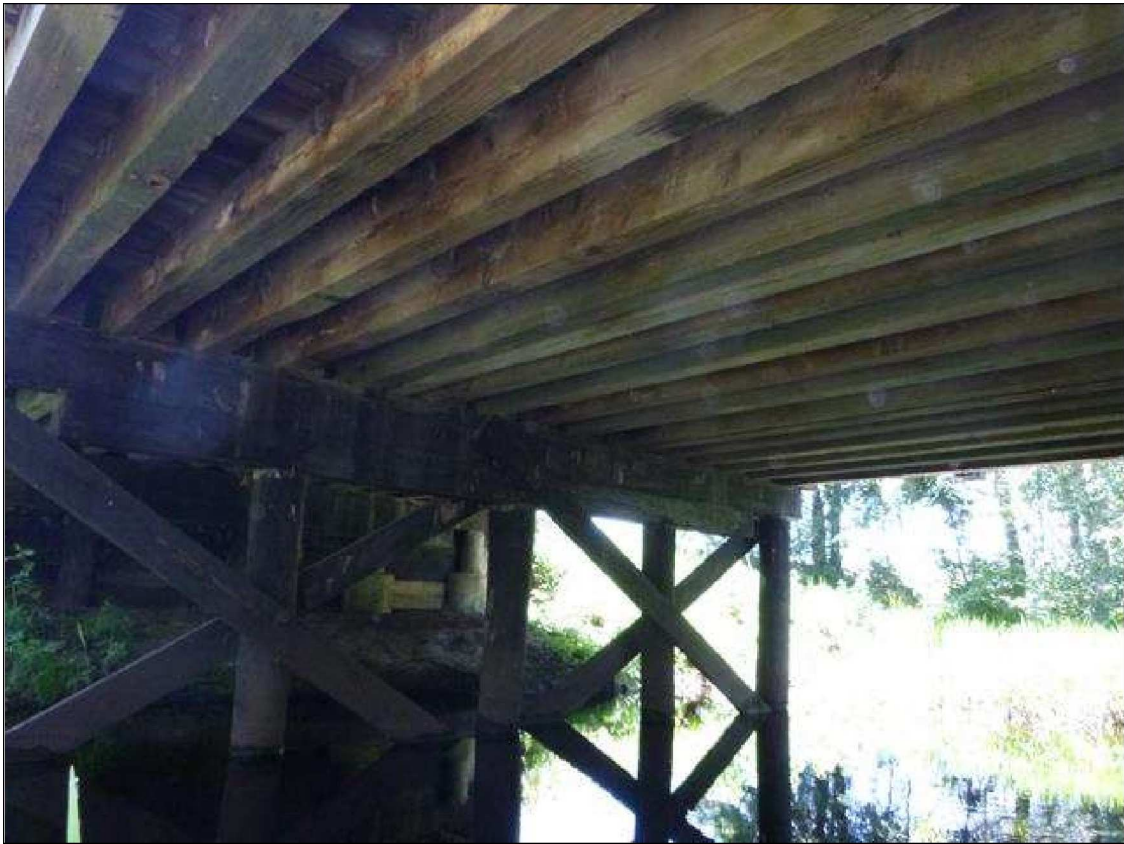
SUPERSTRUCTURE SPAN 1



BENT 1 LOOKING NORTH



SUPERSTRUCTURE SPAN 3



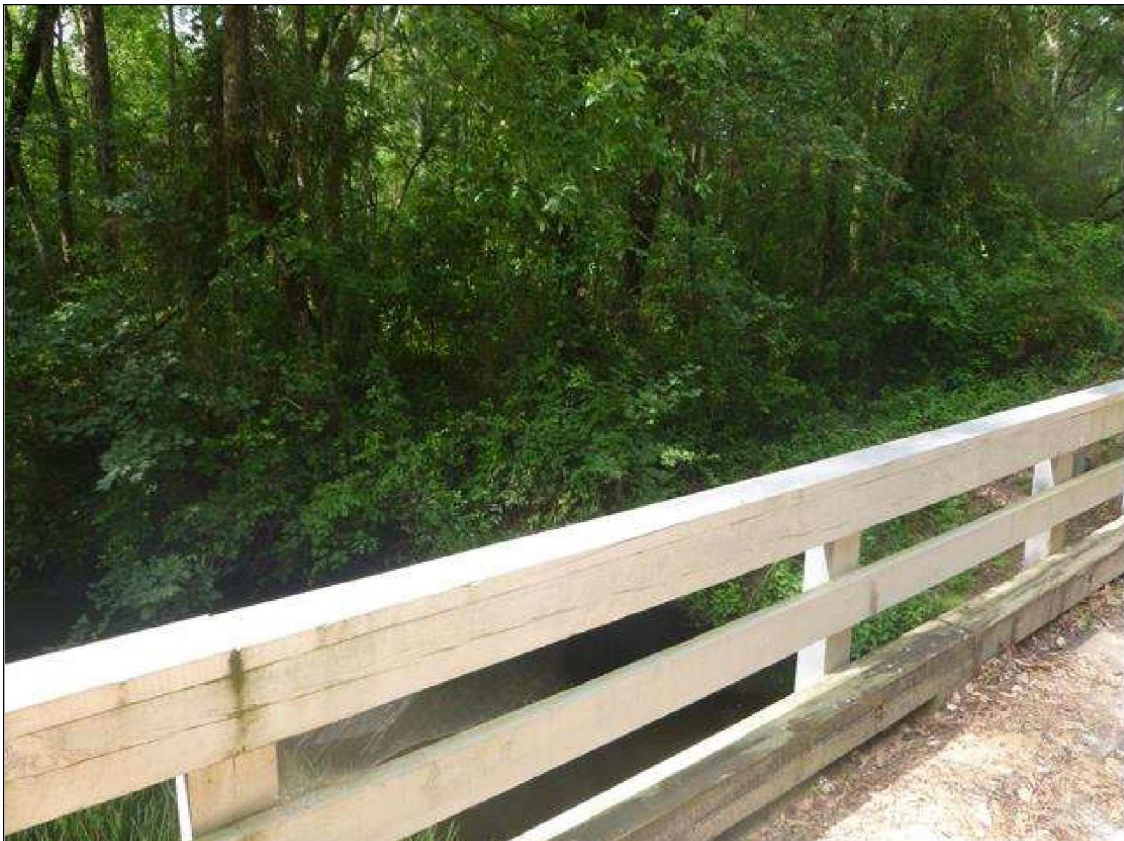
SUPERSTRUCTURE SPAN 2



END BENT 2 LOOKING NORTH



BENT 2 LOOKING SOUTH



LEFT RAIL SIMILAR RIGHT RAIL

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

Run Date: 11/01/2016

IDENTIFICATION					
(1) STATE NAME -NORTH CAROLINA	BRIDGE	080198	SUFFICIENCY RATING =	40.03	
(8) STRUCTURE NUMBER(FEDERAL)	000000000170198		STATUS =	Structurally Deficient	
(5) INVENTORY ROUTE (ON/UNDER) - ON	31015360				
(2) STATE HIGHWAY DEPARTMENT DISTRICT	3		CLASSIFICATION	CODE	
(3) COUNTY CODE 17 (4) PLACE CODE	0		(112)NBIS BRIDGE SYSTEM -	YES	
(6) FEATURE INTERSECTED - KELLY CREEK			(104)HIGHWAY SYSTEM Is not on NHS	0	
(7) FACILITY CARRIED SR1536			(26) FUNCTIONAL CLASS - Local	09	
(9) LOCATION 1.0 MI N. JCT NC53			(100)STRAHNET HIGHWAY - Not a STRAHNET Route	0	
(11)MILEPOINT	0		(101)PARALLEL STRUCTURE - No Parallel Structure	N	
(16)LAT 34° 29' 8.76" (17)LONG 78° 19' 16.61"			(102)DIRECTION OF TRAFFIC - 2-way Traffic	2	
(98)BORDER BRIDGE STATE CODE	PCT SHARE		(103)TEMPORARY STRUCTURE - Temporary Structure/Conditions	T	
(99)BORDER BRIDGE STRUCTURE NO			(110)DESIGNATED NATIONAL NETWORK - Not on the National Network	0	
			(20) TOLL On Free Road	3	
STRUCTURE TYPE AND MATERIAL			(31) MAINTAIN - State Highway Agency	01	
(43) STRUCTURE TYPE MAIN: Wood or Timber			(22) OWNER - State Highway Agency	01	
TYPE - Stringer Multibeam or Girder	CODE 702		(37) HISTORICAL SIGNIFICANCE - Not Eligible	5	
(44) STRUCTURE TYPE APPR :			CONDITION	CODE	
TYPE -	CODE 000		(58) DECK	7	
(45) NUMBER OF SPANS IN MAIN UNIT	3		(59) SUPERSTRUCTURE	7	
(46) NUMBER OF APPROACH SPANS			(60) SUBSTRUCTURE	4	
(107)DECK STRUCTURE TYPE - 8	CODE		(61) CHANNEL & CHANNEL PROTECTION	7	
(108)WEARING SURFACE / PROTECTIVE SYSTEM :			(62) CULVERTS	N	
(A) TYPE OF WEARING SURFACE -	CODE		LOAD RATING AND POSTING CODE		
(B) TYPE OF MEMBRANE -	CODE		(31) DESIGN LOAD Unknown	0	
(C) TYPE OF DECK PROTECTION -	CODE		(63) OPERATING RATING METHOD - Allowable Stress	2	
AGE AND SERVICE			(64) OPERATING RATING - HS-1	1	
(27) YEAR BUILT	1966		(65) INVENTORY RATING METHOD - Allowable Stress	2	
(106)YEAR RECONSTRUCTED			(66) INVENTORY RATING - HS-1	1	
(42) TYPE OF SERVICE : ON - Highway			(70) BRIDGE POSTING - Posting Required	0	
UNDER - Waterway	CODE 15		(41) STRUCTURE OPEN, POSTED ,OR CLOSED	P	
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE	0		DESCRIPTION - Posted for Load		
(29) AVERAGE DAILY TRAFFIC	40		APPRAISAL	CODE	
(30) YEAR OF ADT 2000 (109) TRUCK ADT PCT	%		(67) STRUCTURAL EVALUATION	3	
(19) BYPASS OR DETOUR LENGTH	99 MI		(68) DECK GEOMETRY	6	
GEOMETRIC DATA			(69) UNDERCLEARANCES,VERTI & HORIZ	N	
(48) LENGTH OF MAXIMUM SPAN	18 FT		(71) WATERWAY ADEQUACY	7	
(49) STRUCTURE LENGTH	51 FT		(72) APPROACH ROADWAY ALIGNMENT	8	
(50)CURB OR SIDEWALK: LEFT .5 FT RIGHT .5 FT			(36) TRAFFIC SAFETY FEATURES	0000	
(51) BRIDGE ROADWAY WIDTH CURB TO CURB	24 FT		(113)SCOUR CRITICAL BRIDGES	U	
(52) DECK WIDTH OUT TO OUT	25.417 FT		PROPOSED IMPROVEMENTS		
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)	16 FT		(75) TYPE OF WORK -	CODE	
(33) BRIDGE MEDIAN - No Median	CODE 0		(76) LENGTH OF STRUCTURE IMPROVEMENT		
(34) SKEW 0° (35) STRUCTURE FLARED	0		(94) BRIDGE IMPROVEMENT COST		
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9 FT		(95) ROADWAY IMPROVEMENT COST		
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	24 FT		(96) TOTAL PROJECT COST		
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9 FT		(97) YEAR OF IMPROVEMENT COST ESTIMATE		
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad	0 FT		(114)FUTURE ADT 80 (115) YEAR FUTURE ADT 2025		
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad	000 FT		INSPECTIONS		
(56) MIN LAT UNDERCLEAR LT REF -	000 FT		(90) INSPECTION DATE	06/16/2016	
NAVIGATION DATA			(92) CRITICAL FEATURE INSPECTION :	(93) CFI DATE	
(38) NAVIGATION CONTROL - No Navigational Control	CODE 0		A) FRACTURE CRIT DETAIL - NO	A)	
(111)PIER PROTECTION -	CODE		B) UNDERWATER INSP - NO	B)	
(39) NAVIGATION VERTICAL CLEARANCE	0		C) OTHER SPECIAL INSP NO	C)	
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR	FT		SCOUR		
(40) NAVIGATION HORIZONTAL CLEARANCE	0 FT				

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 11/01/2016

COUNTY : BLADEN	DIVISION : 6	DISTRICT : 3	STRUCTURE NUMBER : 080198	LENGTH : 51	FEET
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ROUTE CARRIED : SR1536	FEATURE INTERSECTED : KELLY CREEK
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LOCATED : 1.0 MI N. JCT NC53	BRIDGE NAME :	CITY :
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FUNC. CLASS : 09	SYST.ON : NFA	SYST.UNDER : NFA	ADT & YR : 40 2000	RAIL TYPE : LT 227 RT 227
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BUILT : 1966	BY : BMU	PROJ :	FED.AID PROJ :	DESIGN LOAD : Unknown
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REHAB :	BY : DBM	PROJ :	ALIGNMENT : TAN.	SKEW : 90	LANES : ON 2 UNDER 0
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NAVIGATION : VC 0 FT	HC 0 FT	HT. CRN. TO BED : 10 FT	WATER DEPTH : 1 FT
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SUPERSTRUCTURE :	TIMBER FLOOR ON TIMBER JOISTS
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SUBSTRUCTURE :	EBTS&IBTS:TIMBER CAP/TIMBER PILES @ VAR.CTS.
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SPANS :	1@17'8,1@17'1;1@16'8
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BEAMS OR GIRDERS :	18 LINES 6X12 TIMBER JOISTS@1'5 CENTERS
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FLOOR : 4X8 TIM/1.5" AWS	ENCROACHMENT :	DECK (OUT TO OUT) : 25.417 FT
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CLEAR ROADWAY : 24 FT	BETWEEN RAILS : 25 FT	SIDEWALK OR CURB : LT .5 FT RT .5 FT
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VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-1	OPE.RTG. : HS-1	CONTR.MEMBER : Timber Joist	POSTED : SV 15	TTST 22	DATE 09/02/2008
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SYSTEM : Secondary S.R. Route	GREEN LINE ROUTE : N
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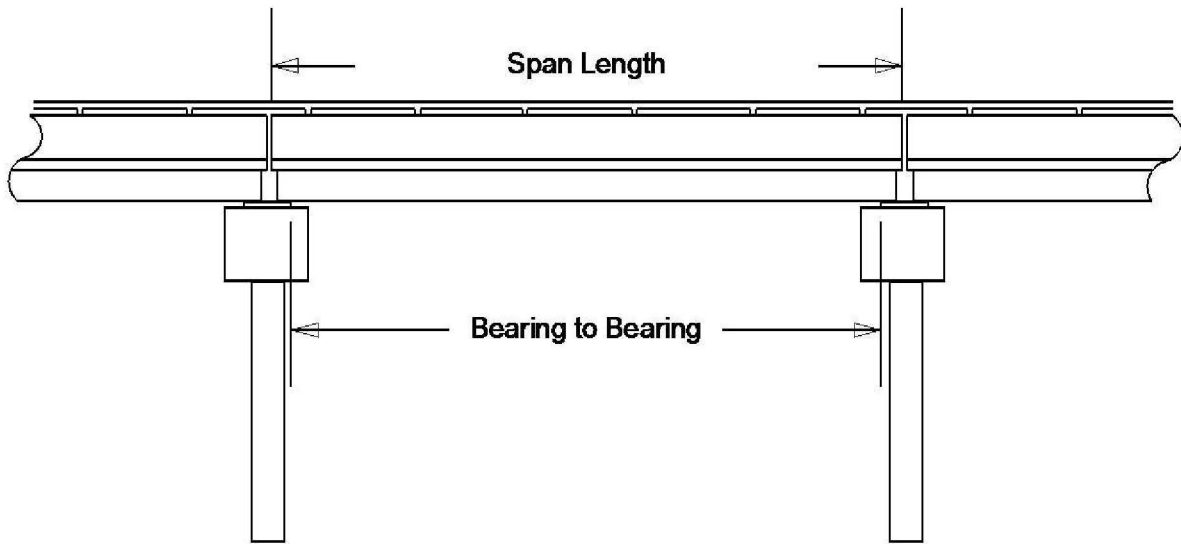
UNDER ROUTES AND CLEARANCES

REMARKS :

Structure Data Worksheet

Spans

County: BLADEN Structure No: 080198 Date: Inspected By: HWH



Span No	Span Length	Bearing to Bearing	Comments
1	17.667FT	16.917ft	NBIS BRIDGE LENGTH 48.917 FT.
2	17.083ft	17.083ft	
3	16.667ft	15.833ft	

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 080198 County: BLADEN Date: By: HWH

Record sounding from top of rail. Other location if needed: _____

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	3	TOP OF BULKHEAD			
0.5	4.3	Top of Cap			
0.6	9.2	GROND AT CAP	0.6	9.1	GROUND AT CAP
5	9.5				
17	12.7	Water Surface/Water Edge (WSWE)			
18	12.9	BENT 1	18	12.3	BENT 1
25	12.9				
30.5	12.7	Water Surface/Water Edge (WSWE)			
35	11.4	BENT 2	35	13	BENT 2
46	9.1				
51.5	8.2	GROUND AT CAP	51.5	8	GROUND AT CAP
51.6	4.3	Top of Cap			
52	3	TOP OF BULKHEAD			

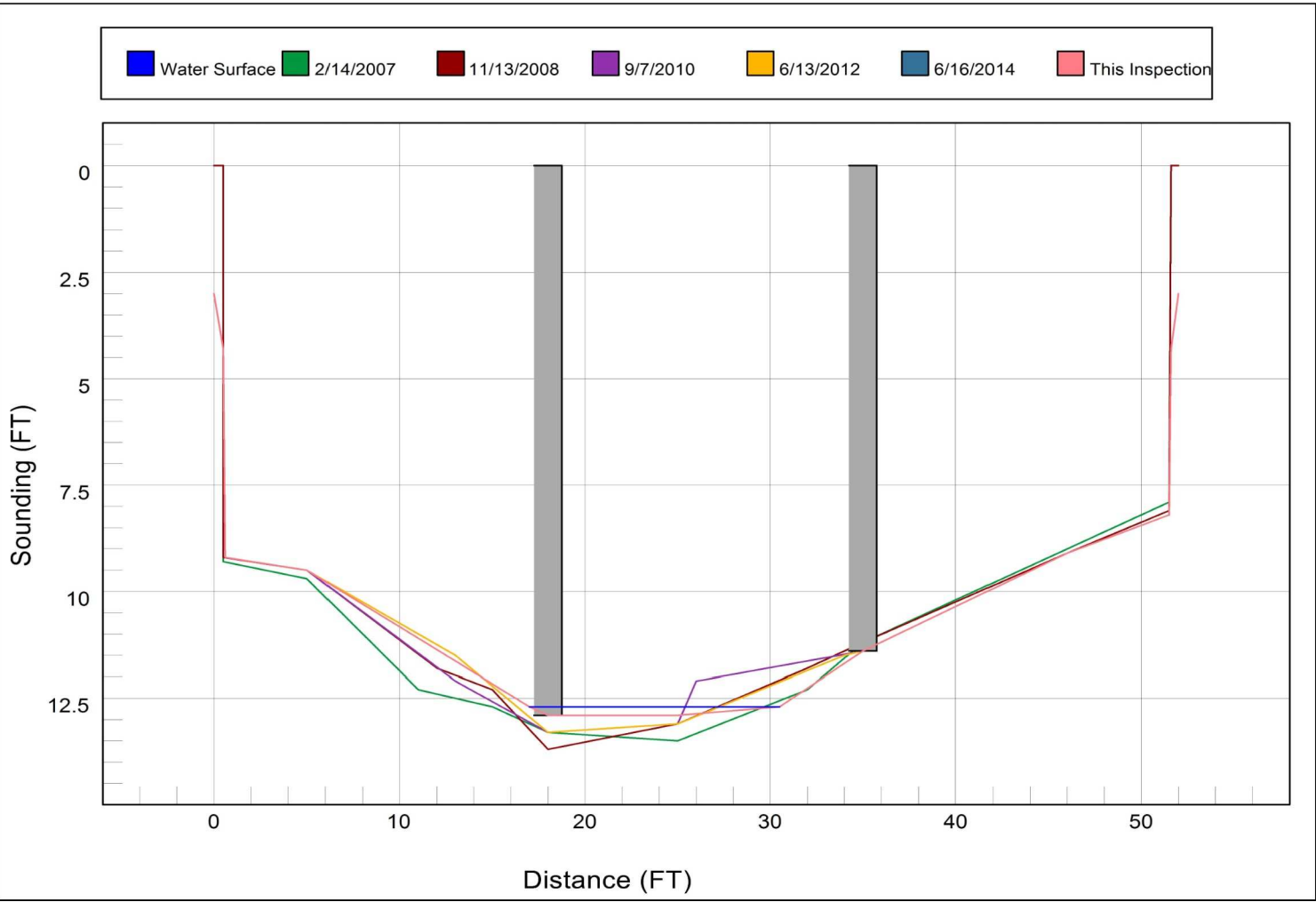
Bridge: 080198

County: BLADEN

Date:

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



SR-1536 (JAMES PORTER ROAD)

Roadway	16ft Wide	2 Unpaved Lanes	Looking North
Left Shoulder	1ft Wide		1ft Unpaved
Right Shoulder	1ft Wide		1ft Unpaved
Left Guardrail			
Right Guardrail			

MEASUREMENTS VERIFIED BY RLK 9/7/10

MEASUREMENTS VERIFIED BY RLK 6/13/12

MEASUREMENTS VERIFIED BY RLK 6/16/14

VERIFIED 6/16/16 H.W. HICKS, JR.

Title

APPROACH ROADWAY

Description

LOOKING NORTH

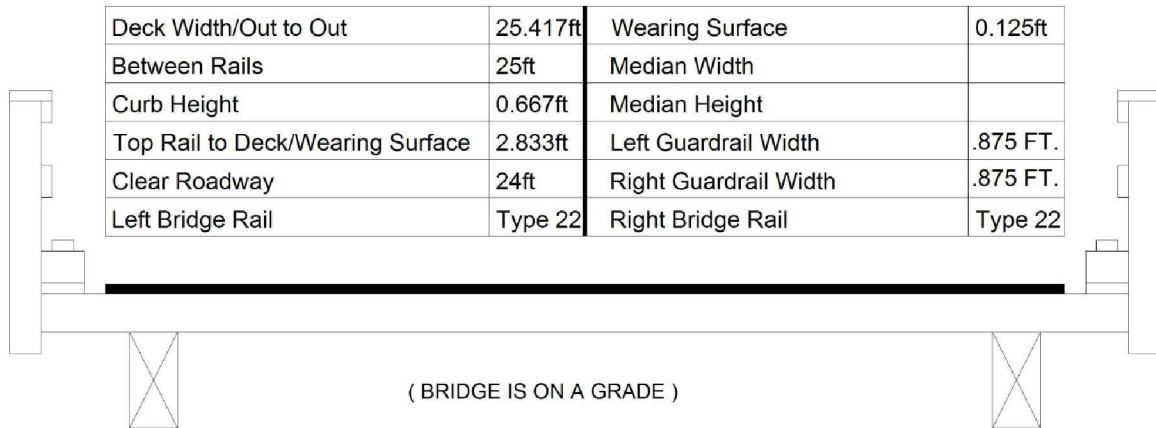
Bridge No: 080198

Drawn By: RLB

Date: 02/13/2007

File Name: S0274002553

Bridge Inspection Field Sketch



Measurements for Span #	1	SPANS 1&3 SIMILAR	
Deck Thickness	0.313	Left Overhang	0.667
Top of Rail to Bottom of Beam	4.23	Right Overhang	0.667

Beam No	Beam Type	Spacing	Comments
1	Timber (Rectangular)	1.501ft	ALL JOIST 0.49ft x 0.959ft TIMBER
2	Timber (Rectangular)	1.500ft	
3	Timber (Rectangular)	1.531ft	
4	Timber (Rectangular)	1.552ft	
5	Timber (Rectangular)	1.583ft	
6	Timber (Rectangular)	0.792ft	
7	Timber (Rectangular)	1.354ft	
8	Timber (Rectangular)	1.406ft	
9	Timber (Rectangular)	1.480ft	
10	Timber (Rectangular)	1.531ft	
11	Timber (Rectangular)	1.542ft	
12	Timber (Rectangular)	0.625ft	
13	Timber (Rectangular)	1.459ft	
14	Timber (Rectangular)	1.501ft	
15	Timber (Rectangular)	1.500ft	
16	Timber (Rectangular)	1.542ft	
17	Timber (Rectangular)	1.667ft	
18	Timber (Rectangular)		

MEASUREMENTS VERIFIED BY RLK 9/7/10
 MEASUREMENTS VERIFIED BY RLK 6/13/12
 MEASUREMENTS VERIFIED BY RLK 6/16/14

VERIFIED 6/16/16 H.W. HICKS, JR.

Title

SUPERSTRUCTURE

Description

SIMILAR SECTION

Bridge No: 080198

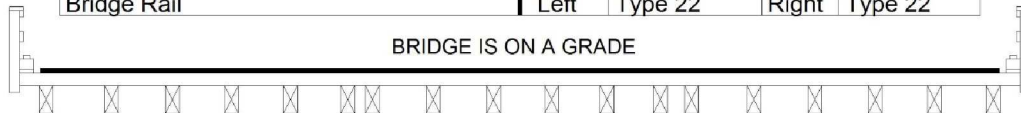
Drawn By: RLB

Date: 02/13/2007

File Name: S0274002554

Bridge Inspection Field Sketch

Deck Width/Out to Out	25.417ft	Between Rails	25ft
Clear Roadway	24ft	Wearing Surface	0.125ft
Median Width		Median Height	
Curb Height		Left	0.667ft
Sidewalk Width		Left	
Clear Roadway (Rail to Median)		Left	
Guardrail Width		Left	0.875ft
Top of Rail to Deck/Wearing Surface		Left	2.833ft
Bridge Rail		Left	Type 22



Measurements for Span #	2		
Deck Thickness	0.313	Left Overhang	0.667
Top of Rail to Bottom of Beam	4.23	Right Overhang	0.667

Beam Number	Beam Type	Spacing	Comments
1	Timber (Rectangular)	1.667ft	ALL JOISTS 0.49ft x 0.959ft TIMBER
2	Timber (Rectangular)	1.542ft	
3	Timber (Rectangular)	1.5ft	
4	Timber (Rectangular)	1.501ft	
5	Timber (Rectangular)	1.459ft	
6	Timber (Rectangular)	.625ft	
7	Timber (Rectangular)	1.542ft	
8	Timber (Rectangular)	1.531ft	
9	Timber (Rectangular)	1.480ft	
10	Timber (Rectangular)	1.406ft	
11	Timber (Rectangular)	1.354ft	
12	Timber (Rectangular)	.792ft	
13	Timber (Rectangular)	1.583ft	
14	Timber (Rectangular)	1.552ft	
15	Timber (Rectangular)	1.531ft	
16	Timber (Rectangular)	1.5ft	
17	Timber (Rectangular)	1.501ft	
18	Timber (Rectangular)	ft	

VERIFIED 6/16/16 H.W. HICKS, JR.

Title

SUPERSTRUCTURE 1

Description

SPAN 2 ONLY

Bridge No: 080198

Drawn By: RLK

Date: 6/16/2014

File Name: S0098001567

Bridge Inspection Field Sketch

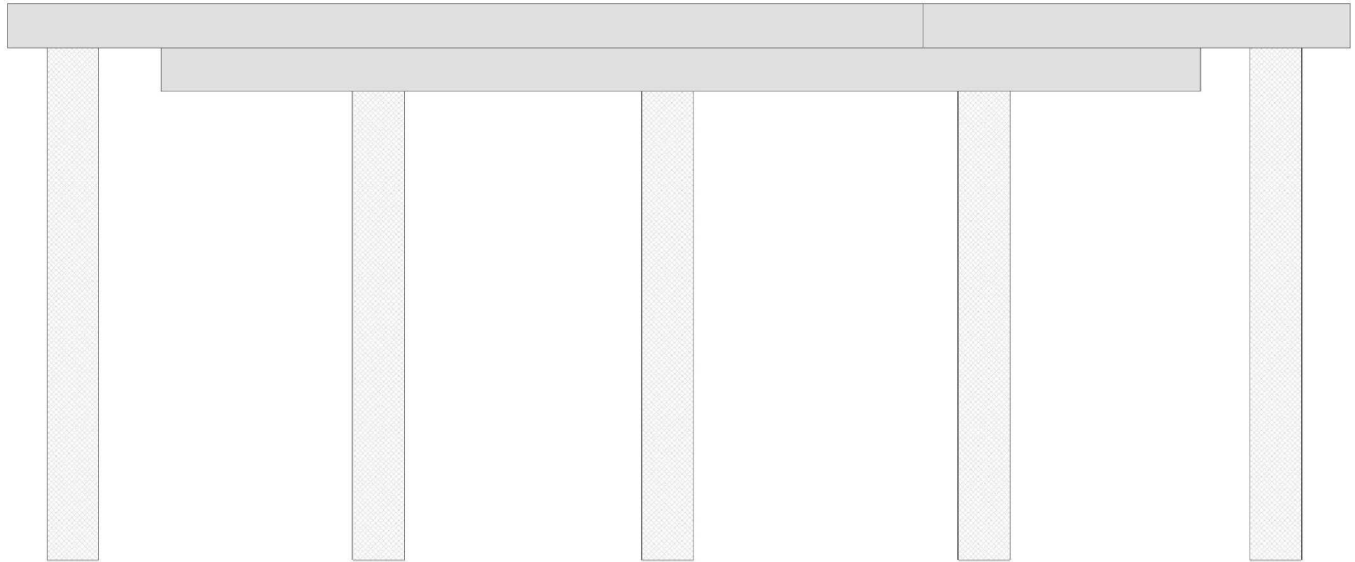


Cap Information			Material Timber							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
26.070 ft.	1 ft.	0.854 ft.	1.390 ft.	1.390 ft.	1.25 ft.	1.25 ft.				
Subcap Information			Material Timber							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
20.000 ft.	1 ft.	0.833 ft.	4.000 ft.	4.320 ft.	0.15 ft.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	5.70 ft.	1.0 ft.			Vertical	No	No	No	Yes
2	Timber	5.79 ft.	1.0 ft.			Vertical	No	No	No	Yes
3	Timber	5.83 ft.	1.0 ft.			Vertical	No	No	No	No
4	Timber	5.97 ft.	1.0 ft.			Vertical	No	No	No	No
5	Timber		1.0 ft.			Vertical	No	No	No	No

REVISED AND REDRAWN 6/16/16 H.W. HICKS, JR.

Bent/Abutment #: 1		Similar Bents:	
Title			Description
SUBSTRUCTURE 1			END BENT 1
Bridge No: 080198	Drawn By: RLB	Date: 02/14/2007	File Name: S0274002562

Bridge Inspection Field Sketch

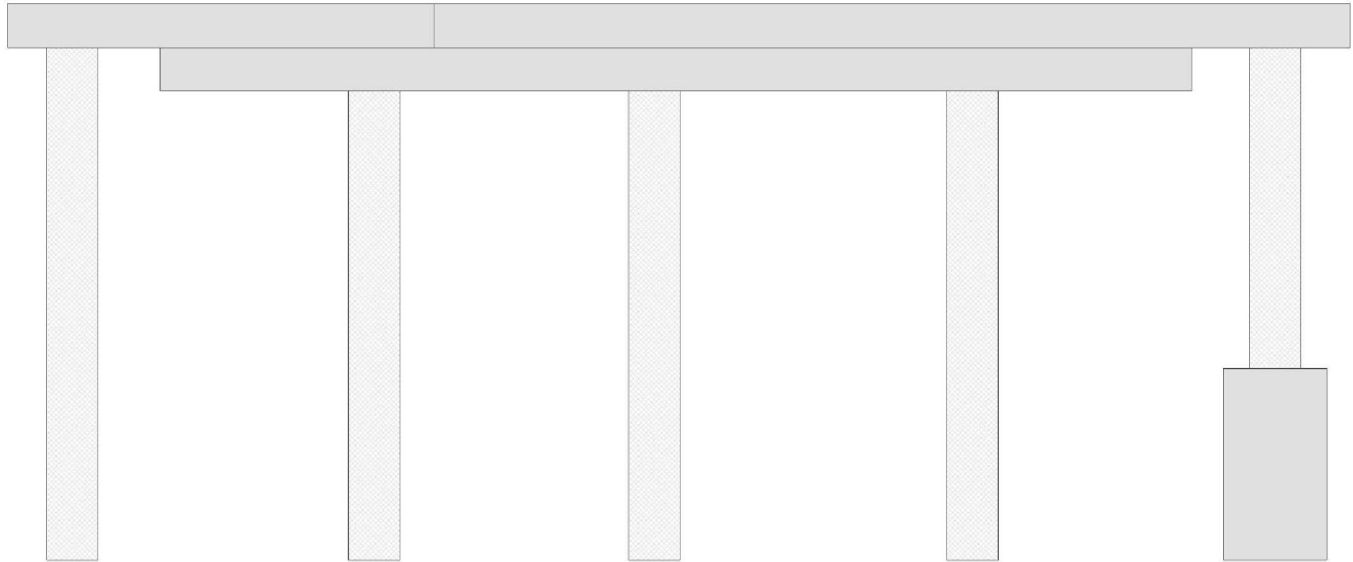


Cap Information			Material Timber							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
25.880 ft.	1 ft.	0.854 ft.	1.250 ft.	1.430 ft.	1.0 ft.	1.0 ft.				
Subcap Information			Material Timber							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
20.040 ft.	1 ft.	0.833 ft.	4.200 ft.	4.170 ft.	10.5 ft.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	5.90 ft.	1.0 ft.			Vertical	No	No	No	No
2	Timber	5.57 ft.	1.0 ft.			Vertical	No	No	No	No
3	Timber	6.10 ft.	1.0 ft.			Vertical	No	No	No	No
4	Timber	5.63 ft.	1.0 ft.			Vertical	No	No	No	No
5	Timber		1.0 ft.			Vertical	No	No	No	No

REVISED AND REDRAWN 6/16/16 H.W.HICKS, JR.

Bent/Abutment #: 1		Similar Bents:	
Title			Description
SUBSTRUCTURE			BENT 1
Bridge No: 080198	Drawn By: RLB	Date: 02/13/2007	File Name: S0274002555

Bridge Inspection Field Sketch

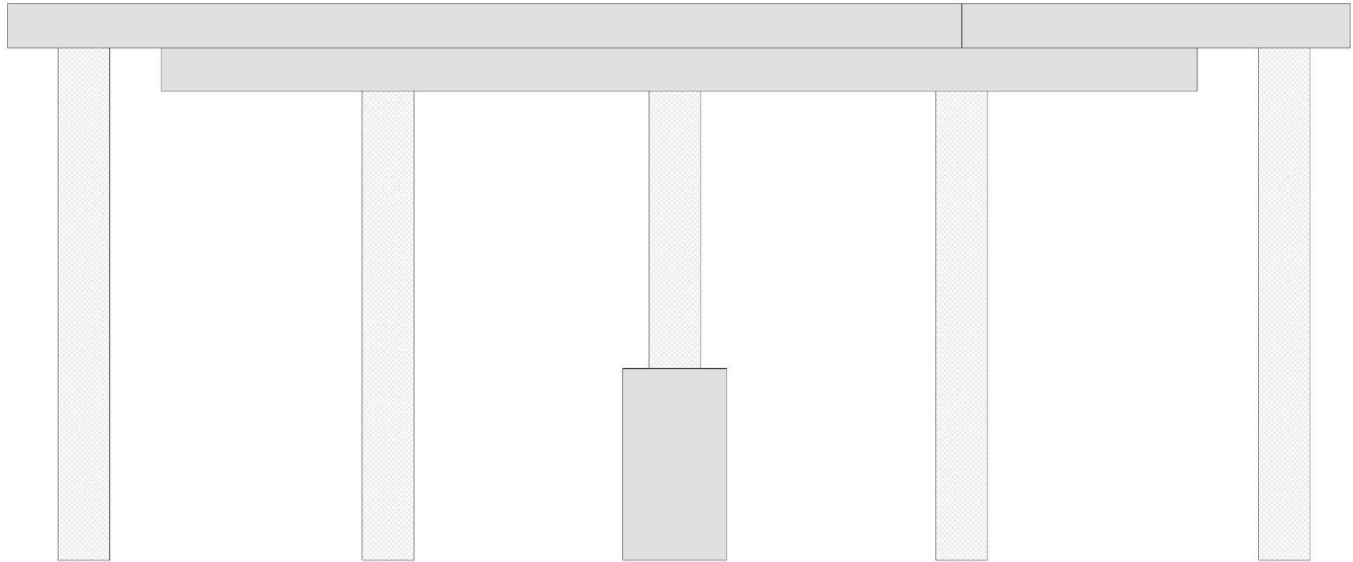


Cap Information			Material Timber							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
26.020 ft.	1 ft.	0.854 ft.	1.250 ft.	1.450 ft.	1.0 ft.	1.0 ft.				
Subcap Information			Material Timber							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
20.000 ft.	1 ft.	0.833 ft.	4.150 ft.	4.250 ft.	1.167 ft.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	5.85 ft.	1.0 ft.			Vertical	No	No	No	No
2	Timber	5.43 ft.	1.0 ft.			Vertical	No	No	No	No
3	Timber	6.17 ft.	1.0 ft.			Vertical	No	No	No	No
4	Timber	5.87 ft.	1.0 ft.			Vertical	No	No	No	No
5	Timber		1.0 ft.			Vertical	No	No	No	Yes

REVISED AND REDRAWN 6/16/16 H.W. HICKS, JR.

Bent/Abutment #: 2		Similar Bents:	
Title			Description
SUBSTRUCTURE 2			BENT 2
Bridge No: 080198	Drawn By: RLB	Date: 02/14/2007	File Name: S0274002563

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.				
25.910 ft.	1 ft.	0.854 ft.	1.470 ft.	1.270 ft.	1.000 ft.	1.000 ft.				
Subcap Information			Material Timber							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
20.000 ft.	1 ft.	0.833 ft.	4.380 ft.	4.550 ft.	11.07 ft.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	5.87 ft.	1.0 ft.			Vertical	No	No	No	No
2	Timber	5.53 ft.	1.0 ft.			Vertical	No	No	No	No
3	Timber	5.54 ft.	1.0 ft.			Vertical	No	No	No	Yes
4	Timber	6.23 ft.	1.0 ft.			Vertical	No	No	No	No
5	Timber		1.0 ft.			Vertical	No	No	No	No

REVISED AND REDRAWN 6/16/16 H.W. HICKS, JR.

Bent/Abutment #: 2		Similar Bents:	
Title			Description
SUBSTRUCTURE 3			END BENT 2
Bridge No: 080198	Drawn By: RLB	Date: 02/13/2007	File Name: S0274002556