



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: **PRIORITY MAINT ITEMS ISSUED ON BEAMS AND
TEMPORARY SHORING**

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: WILKES STRUCTURE NUMBER: 960151 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1728 MILE POST:

LOCATION: 1.2 MI.NE.JCT.NC18

FEATURE INTERSECTED: DUNGEON CREEK

LATITUDE: 36° 20' 54.48" LONGITUDE: 81° 13' 23.44"

SUPERSTRUCTURE: TIMBER FLOOR ON I-BEAMS

SUBSTRUCTURE: E.BTS:TIMBER CAPS/TIMBER POST & SILLS @ VAR.CTS.

SPANS: 1 @ 26"-2

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

PRESENT CONDITION: Poor INSPECTION DATE: 02/03/2015

POSTED SV: 15 POSTED TTST: 20

OTHER SIGNS PRESENT: 4 DELINEATORS



LOOKING EAST

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 RD WILLIAMS	SIGNATURE <i>Rd Williams</i>	ASSISTED BY DREW HARBINSON
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BRIDGE INSPECTION RECORD AND SUMMARY FOR SHORED STRUCTURES OR STRUCTURES WITH TEMPORARY REPAIRS MADE TO KEEP A BRIDGE OPEN

VOID

 BRIDGE: 960151 COUNTY: Willkes DATE: 6/4/07

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	<u>T</u>	<u>DAF</u>
S I & A ITEM 59 - SUPERSTRUCTURE		
S I & A ITEM 60 - SUBSTRUCTURE	<u>4</u>	<u>DAF</u>
S I & A ITEM 64 OPERATING RATING		
HS <u>0.01</u> BY: <u>AK</u>		
S I & A ITEM 66 - INVENTORY RATING		
HS <u>0.01</u> BY: <u>AK</u>		

VOID

COMMENTS

Ext. posts @ abut. #2 supplemented
Not Temp. TMS 02/10/15

Span Element Report

Structure Number: 960151

Inspection Date: 02/03/2015

Span Number 1

Span Length 26.17 Feet

Number of Beams/Girders: 11

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
31		Timber Deck	655	0	0	655	0	655	3324
107		Steel Open Girder/Beam	297	0	139	118	40	297	3314
515	107	Steel Protective Coating	1264	0	0	869	395	1264	3342
216		Timber Abutment	82	22	60	0	0	60	3346
228		Timber Pile	16	2	11	1	2	14	3344
235		Timber Pier Cap	73	0	71	2	0	73	3344
332		Timber Bridge Railing	54	0	0	27	27	54	3316
510		Wearing Surface	633	237	0	200	196	396	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Superstructure Detailed Element Quantities

Structure Number: 960151

Inspection Date: 02/03/2015

Span Number 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Deck	1	31	Timber Deck	655	0	0	655	0	655	3324	☐ Requested
☒ Bridge Rail	1	332	Timber Bridge Railing	27	0	0	27	0	27	3316	☐ Requested
☒ Bridge Rail	2	332	Timber Bridge Railing	27	0	0	0	27	27	3316	☐ Requested
☒ Wearing Surfaces	0	510	Wearing Surface	633	237	0	200	196	396	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	27	0	27	0	0	27	3314	☐ Requested
Protective System		515	Steel Protective Coating	114	0	0	114	0	114	3342	
☒ Beam	2	107	Steel Open Girder/Beam	27	0	27	0	0	27	3314	☐ Requested
Protective System		515	Steel Protective Coating	115	0	0	115	0	115	3342	
☒ Beam	3	107	Steel Open Girder/Beam	27	0	12	15	0	27	3314	☐ Requested
Protective System		515	Steel Protective Coating	115	0	0	115	0	115	3342	
☒ Beam	4	107	Steel Open Girder/Beam	27	0	2	15	10	27	3314	☐ Requested
Protective System		515	Steel Protective Coating	115	0	0	115	0	115	3342	
☒ Beam	5	107	Steel Open Girder/Beam	27	0	0	21	6	27	3314	☐ Requested
Protective System		515	Steel Protective Coating	115	0	0	65	50	115	3342	
☒ Beam	6	107	Steel Open Girder/Beam	27	0	17	10	0	27	3314	☐ Requested
Protective System		515	Steel Protective Coating	115	0	0	115	0	115	3342	
☒ Beam	7	107	Steel Open Girder/Beam	27	0	0	17	10	27	3314	☒ Requested
Protective System		515	Steel Protective Coating	115	0	0	0	115	115	3342	
☒ Beam	8	107	Steel Open Girder/Beam	27	0	0	22	5	27	3314	☒ Requested
Protective System		515	Steel Protective Coating	115	0	0	0	115	115	3342	
☒ Beam	9	107	Steel Open Girder/Beam	27	0	0	18	9	27	3314	☐ Requested
Protective System		515	Steel Protective Coating	115	0	0	0	115	115	3342	
☒ Beam	10	107	Steel Open Girder/Beam	27	0	27	0	0	27	3314	☐ Requested
Protective System		515	Steel Protective Coating	115	0	0	115	0	115	3342	
☒ Beam	11	107	Steel Open Girder/Beam	27	0	27	0	0	27	3314	☐ Requested
Protective System		515	Steel Protective Coating	115	0	0	115	0	115	3342	

Superstructure Element Defect Descriptions

Structure Number: 960151

Inspection Date: 02/03/2015

Span Number 1

Span	1	Deck	1	Component Name:		Timber Deck							
Element:	31	Name	Timber Deck	Qty:	655	Lvl 2:	0	Lvl 3	655	Lvl 4	0	Maint. Qty	655
Defect Description:													

600 Square Feet of Check/Shake: Penetrates more than 50% of the thickness of the member or more than 5% of the member thickness in a tension zone. Does not warrant structural review. soft and wet and holding water.
55 Square Feet of Decay/Section Loss: Affects 10% or more of the member but does not warrant structural review. timber floor boards decayed on ends

Span	1	Bridge Rail	1	Component Name:		Timber Rail							
Element:	332	Name	Timber Bridge Railing	Qty:	27	Lvl 2:	0	Lvl 3	27	Lvl 4	0	Maint. Qty	27
Defect Description:													

27 Feet of Crack (Timber): Identified crack that is not arrested but does not require structural review. rail is cracked and loose in spots through out.

Span	1	Bridge Rail	2	Component Name:				Timber Rail					
Element:	332	Name	Timber Bridge Railing	Qty:	27	Lvl 2:	0	Lvl 3	0	Lvl 4	27	Maint. Qty	27
Defect Description:													

27 Feet of Decay/Section Loss: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. rail is loose and cracked and decayed in spots
0 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. header board at the se corner is missing.

Span	1	Wearing Surfaces	0	Component Name:	Asphalt Wearing Surface								
Element:	510	Name	Wearing Surface	Qty:	633	Lvl 2:	0	Lvl 3	200	Lvl 4	196	Maint. Qty	396
Defect Description:													

200 Square Feet of Delamination/Spall/Patched Area/Pothole (Wearing Surfaces): Spall 1 in. deep or greater or 6 in. diameter or greater. Patched area that is unsound or showing distress. Full depth pothole.top deck is patched over and breaking up and cracked over 10' x 12' area lt lane at end bent 2
40 Square Feet of Delamination/Spall/Patched Area/Pothole (Wearing Surfaces): The wearing surface is no longer effective. top deck patch area breaking up in cl and rt lane
156 Square Feet of Delamination/Spall/Patched Area/Pothole (Wearing Surfaces): The wearing surface is no longer effective. rt side aws along curbline has been cut down 4" deep x 30" wide x length bridge and lt curbline similar.

Span	1	Beam	1	Component Name:		Plate Girder						
Element: 107	Name	Steel Open Girder/Beam	Qty:	27	Lvl 2:	27	Lvl 3	0	Lvl 4	0	Maint. Qty	27
Defect Description:												

27 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.
114 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span	1	Beam	2	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	27	Lvl 2:	27	Lvl 3	0	Lvl 4	0	Maint. Qty	27
Defect Description:													

27 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.
115 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span 1	Beam 3	Component Name: Plate Girder				
Element: 107	Name Steel Open Girder/Beam	Qty: 27	Lvl 2: 12	Lvl 3: 15	Lvl 4: 0	Maint. Qty: 27
Defect Description:						

15 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. along top flange up to 1/16" loss
12 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.
115 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span	1	Beam	4	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	27	Lvl 2:	2	Lvl 3	15	Lvl 4	10	Maint. Qty	27
Defect Description:													

10 Feet of Connection: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. timber nailer on top beam 4 decay from end bent 1 out 10' soft and wet.

15 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. along top flanges up to 1/16"

2 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.

115 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span	1	Beam	5	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	27	Lvl 2:	0	Lvl 3	21	Lvl 4	6	Maint. Qty	27
Defect Description:													

6 Feet of Corrosion: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 3/16" remaining along bottom flange 65" out from end bent 1

21 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. 1/16" to 1/8" along top flanges also

50 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

65 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span	1	Beam	6	Component Name:				Plate Girder					
Element:	107	Name	Steel Open Girder/Beam	Qty:	27	Lvl 2:	17	Lvl 3	10	Lvl 4	0	Maint. Qty	27
Defect Description:													

10 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. 1/16" loss bottom and top flanges

17 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated.

115 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span	1	Beam	7	Component Name:				Plate Girder					
Element:	107	Name	Steel Open Girder/Beam	Qty:	27	Lvl 2:	0	Lvl 3	17	Lvl 4	10	Maint. Qty	27
Defect Description:													

5 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. has 3/16" to 1/4" remaining along bottom flange 50" out from end bent 1

5 Feet of Corrosion: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. bm 7 from 3/16" to 1/4" remaining along bottom flange from end bent 2 back 60"

17 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.

115 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span	1	Beam	8	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	27	Lvl 2:	0	Lvl 3	22	Lvl 4	5	Maint. Qty	27
Defect Description:													

15 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. rusty and corrosion along top flange with 1/8" loss

5 Feet of Corrosion: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. rt side bm 8 along bottom flange 3/16" remaining from end bent 2 back 5'

7 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.

115 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span	1	Beam	9	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	27	Lvl 2:	0	Lvl 3	18	Lvl 4	9	Maint. Qty	27
Defect Description:													

9 Feet of Corrosion: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. bm 9

18 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review. along bottom flg

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1/16" loss

115 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Exposure of bare metal.

Span	1	Beam	10	Component Name:	Plate Girder
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Element:	107	Name	Steel Open Girder/Beam	Qty:	27	Lvl 2:	27	Lvl 3	0	Lvl 4	0	Maint. Qty	27
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Defect Description:

27 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. rusty and flaking bottom flange 1/16" loss

115 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Span	1	Beam	11	Component Name:	Plate Girder
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Element:	107	Name	Steel Open Girder/Beam	Qty:	27	Lvl 2:	27	Lvl 3	0	Lvl 4	0	Maint. Qty	27
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Defect Description:

27 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. along bottom flange

115 Square Feet of Peeling/Bubbling/Cracking (steel Protective Coatings): Finish and primer coats.

Substructure Detailed Element Quantities

Structure Number: 960151

Inspection Date: 02/03/2015

End Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Abutments	1	216	Timber Abutment	41	11	30	0	0	30	3346	☐ Requested
☒ Caps	1	235	Timber Pier Cap	18	0	18	0	0	18	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	18	0	18	0	0	18	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	7	228	Timber Pile	1	0	0	1	0	1	3344	☐ Requested

End Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☒ Abutments	1	216	Timber Abutment	41	11	30	0	0	30	3346	☐ Requested
☒ Caps	1	235	Timber Pier Cap	8	0	8	0	0	8	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	11	0	11	0	0	11	3344	☐ Requested
☒ Caps	3	235	Timber Pier Cap	18	0	16	2	0	18	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	0	0	0	1	1	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	5	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	6	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	7	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	8	228	Timber Pile	1	0	0	0	1	1	3344	☐ Requested
☒ Piles and Columns	9	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Substructure Element Defect Descriptions

Structure Number: 960151

Inspection Date: 02/03/2015

End Bent 1

End Bent 1	Row 1	Abutments	1
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Element: 216 Name Timber Abutment Qty: 41 Lvl 2: 30 Lvl 3: 0 Lvl 4: 0 Maint. Qty 30

Defect Description:

30 Feet of Check/Shake: Penetrates 5%-50% of the thickness of teh member and not in a tension zone.

End Bent 1	Row 1	Caps	1
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Element: 235 Name Timber Pier Cap Qty: 18 Lvl 2: 18 Lvl 3: 0 Lvl 4: 0 Maint. Qty 18

Defect Description:

18 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the memeber and not in a tension zone.

End Bent 1	Row 1	Caps	2
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Element: 235 Name Timber Pier Cap Qty: 18 Lvl 2: 18 Lvl 3: 0 Lvl 4: 0 Maint. Qty 18

Defect Description:

18 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the memeber and not in a tension zone.

End Bent 1	Row 1	Piles and Columns	1
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Each of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone.

End Bent 1	Row 1	Piles and Columns	2
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Each of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone.

End Bent 1	Row 1	Piles and Columns	3
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Each of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone.

End Bent 1	Row 1	Piles and Columns	4
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Each of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone.

End Bent 1	Row 1	Piles and Columns	5
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Each of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone.

End Bent 1	Row 1	Piles and Columns	6
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Each of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone.

End Bent 1	Row 1	Piles and Columns	7
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 0 Lvl 3: 1 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Each of Decay/Section Loss: Affects 10% or more of the member but does not warrant structural review. decayed near groundline 2" deep and 20" up

End Bent 2	Row 1	Abutments	1
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Element: 216 Name Timber Abutment Qty: 41 Lvl 2: 30 Lvl 3: 0 Lvl 4: 0 Maint. Qty 30

Defect Description:

30 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the member and not in a tension zone.

End Bent 2	Row 1	Caps	1
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Element: 235 Name Timber Pier Cap Qty: 8 Lvl 2: 8 Lvl 3: 0 Lvl 4: 0 Maint. Qty 8

Defect Description:

8 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the member and not in a tension zone.

End Bent 2	Row 1	Caps	2
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Element: 235 Name Timber Pier Cap Qty: 11 Lvl 2: 11 Lvl 3: 0 Lvl 4: 0 Maint. Qty 11

Defect Description:

11 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the member and not in a tension zone.

End Bent 2	Row 1	Caps	3
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Element: 235 Name Timber Pier Cap Qty: 18 Lvl 2: 16 Lvl 3: 2 Lvl 4: 0 Maint. Qty 18

Defect Description:

2 Feet of Decay/Section Loss: Affects 10% or more of the member but does not warrant structural review. rt end cap decayed top down 10" x 3" deep and 16" back

16 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the member and not in a tension zone.

End Bent 2	Row 1	Piles and Columns	1
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Each of Check/Shake: Penetrates 5%-50% of the thickness of the member and not in the tension zone.

End Bent 2	Row 1	Piles and Columns	2
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty 0

Defect Description:

new added pile

End Bent 2	Row 1	Piles and Columns	3
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 0 Lvl 3: 0 Lvl 4: 1 Maint. Qty 1

Defect Description:

1 Each of Decay/Section Loss: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. p2 added lt side

End Bent 2	Row 1	Piles and Columns	4
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Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Each of Check/Shake: Surface penetration less than 5% of the member thickness regardless of location.

End Bent 2	Row 1	Piles and Columns	5
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Structure Number: 960151

Inspection Date: 02/03/2015

Element: 228 Name Timber Pile Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty 1
Defect Description:

1 Each of Decay/Section Loss: Affects less than 10% of the member section

End Bent 2	Row 1	Piles and Columns	6
Element: 228	Name Timber Pile	Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty	1
Defect Description:			

1 Each of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone.

End Bent 2	Row 1	Piles and Columns	7
Element: 228	Name Timber Pile	Qty: 1 Lvl 2: 1 Lvl 3 0 Lvl 4 0 Maint. Qty	1
Defect Description:			

1 Each of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone.

End Bent 2	Row 1	Piles and Columns	8
Element: 228	Name Timber Pile	Qty: 1 Lvl 2: 0 Lvl 3 0 Lvl 4 1 Maint. Qty	1
Defect Description:			

1 Each of Decay/Section Loss: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge.

End Bent 2	Row 1	Piles and Columns	9
Element: 228	Name Timber Pile	Qty: 1 Lvl 2: 0 Lvl 3 0 Lvl 4 0 Maint. Qty	0
Defect Description:			

new adde pile rt side p8

National Bridge and NC Inspection Items

Structure Number: 960151

Inspection Date: 02/03/2015

National Bridge Inventory Items

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

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C			
Wingwall	G, F, P, or C	G	0	3350
Scour	G, F, P, or C	G		
Field Scour Evaluation		O		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C			
Response to Live Load	G, F, P, or C	F		
Estimated Remaining Life	0 - 100 Years	2		

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	Y
Inspection Time	Hours	6
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 960151

Inspection Date: 02/03/2015

Item	Grade	Maint Code	Qty.
Details			



Span 1 Left Bridge Rail: 27 Feet of Crack (Timber): Identified crack that is not arrested but does not require structural review. rail is cracked and loose in spots through out.



Span 1 Right Bridge Rail: 27 Feet of Decay/Section Loss: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. rail is loose and cracked and decayed in spots



Span 1 Right Bridge Rail: 0 Feet of Connection: Missing bolts, rivets, or fasteners; broken welds; or pack rust with distortion but does not warrant a structural review. header board at the se corner is missing.



Span 1 Wearing Surface: 120 Square Feet of Delamination/Spall/Patched Area/Pothole (Wearing Surfaces): Spall 1 in. deep or greater or 6 in. diameter or greater. Patched area that is unsound or showing distress. Full depth pothole. top deck is patched over and breaking up and cracked over 10' x 12' area 1/2 lane at end bent 2



Span 1 Wearing Surface: 40 Square Feet of Delamination/Spall/Patched Area/Pothole (Wearing Surfaces): The wearing surface is no longer effective. top deck patch area breaking up in cl and rt lane



Span 1 Wearing Surface: 156 Square Feet of Delamination/Spall/Patched Area/Pothole (Wearing Surfaces): The wearing surface is no longer effective. rt side aws along curbline has been cut down 4" deep x 30" wide x length bridge and It curbline similar.



End Bent 1 Pile 7: 1 Each of Decay/Section Loss: Affects 10% or more of the member but does not warrant structural review.end bent 1 p7 decayed near ground line 2" deep and up 20"



Span 1 Beam 4: 10 Feet of Connection: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. timber nailer on top beam 4 decay from end bent 1 out 10'soft and wet.



end bent 1 bulkhead boards decayed between p4 and p5 at ground line with fill exposed p5 and p6 similar rt side.



Span 1 Beam 5: 6 Feet of Corrosion: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. 3/16" remaining along bottom flange 65" out from end bent 1



Span 1 Beam 7: 5 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
has 3/16" to 1/4" remaining along bottom flange 50" out from end bent 1



Span 1 Beam 7: 5 Feet of Corrosion: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. bm 7 from 3 /16" to 1/4" remaining along bottom flange from end bent 2 back 60"



Span 1 Beam 8: 15 Feet of Corrosion: Section loss is evident or pack rust is present but does not warrant structural review.
rusty and corrosion along top flange with 1/8" loss



Span 1 Beam 8: 5 Feet of Corrosion: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. rt side bm 8 along bottom flange 3/16" remaining from end bent 2 back 5'



Span 1 Beam 9: 9 Feet of Corrosion: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. bm 9



Span 1 Deck: 55 Square Feet of Decay/Section Loss: Affects 10% or more of the member but does not warrant structural review. timber floor boards decayed on ends



End Bent 2 Cap : 2 Feet of Decay/Section Loss: Affects 10% or more of the member but does not warrant structural review. cap segment 2 rt end cap decayed from end back 16" 10 1/2" w x top down 10" x 3" deep.



LOOKING EAST



WEIGHT LIMIT ON SW CORNER



SOUTH PROFILE



NORTH PROFILE



FROM BRIDGE LOOKING WEST



FROM BRIDGE LOOKING EAST



FROM BRIDGE LOOKING SOUTH UPSTREAM



FROM BRIDGE LOOKING NORTH DOWNSTREAM



WEIGHT LIMIT ON NE CORNER



LOOKING WEST



end bent 1



end bent 2



superstructure

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

Update Date: 03/11/2015

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE 960151
 (8) STRUCTURE NUMBER(FEDERAL) 000000001930151
 (5) INVENTORY ROUTE (ON/UNDER) - ON 31017280
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 3
 (3) COUNTY CODE 193 (4) PLACE CODE 0
 (6) FEATURE INTERSECTED - DUNGEON CREEK
 (7) FACILITY CARRIED SR1728
 (9) LOCATION 1.2 MI.NE.JCT.NC18
 (11)MILEPOINT 0
 (16)LAT 36° 20' 54.48" (17)LONG 81° 13' 23.44"
 (98)BORDER BRIDGE STATE CODE PCT SHARE
 (99)BORDER BRIDGE STRUCTURE NO

SUFFICIENCY RATING = 33.12

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 -
 (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

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Steel
 TYPE - Stringer Mutlibeam or Girder CODE 302
 (44) STRUCTURE TYPE APPR :
 TYPE - CODE 000
 (45) NUMBER OF SPANS IN MAIN UNIT 1
 (46) NUMBER OF APPROACH SPANS
 (107)DECK STRUCTURE TYPE - 8 CODE
 (108)WEARING SURFACE / PROTECTIVE SYSTEM :
 (A) TYPE OF WEARING SURFACE - CODE
 (B) TYPE OF MEMBRANE - CODE
 (C) TYPE OF DECK PROTECTION - CODE

CONDITION CODE

(58) DECK 4
 (59) SUPERSTRUCTURE 4
 (60) SUBSTRUCTURE 4
 (61) CHANNEL & CHANNEL PROTECTION 7
 (62) CULVERTS N

LOAD RATING AND POSTING CODE

(31) DESIGN LOAD Unknown 0
 (63) OPERATING RATING METHOD - Load Factor 1
 (64) OPERATING RATING - HS-11 20
 (65) INVENTORY RATING METHOD - Load Factor 1
 (66) INVENTORY RATING - HS-7 12
 (70) BRIDGE POSTING - Posting Required 0
 (41) STRUCTURE OPEN, POSTED ,OR CLOSED P
 DESCRIPTION - Posted for Load

APPRAISAL CODE

(67) STRUCTURAL EVALUATION 4
 (68) DECK GEOMETRY 5
 (69) UNDERCLEARANCES,VERTI & HORIZ N
 (71) WATERWAY ADEQUACY 7
 (72) APPROACH ROADWAY ALIGNMENT 8
 (36) TRAFFIC SAFETY FEATURES 0000
 (113)SCOUR CRITICAL BRIDGES U

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK - CODE
 (76) LENGTH OF STRUCTURE IMPROVEMENT
 (94) BRIDGE IMPROVEMENT COST
 (95) ROADWAY IMPROVEMENT COST
 (96) TOTAL PROJECT COST
 (97) YEAR OF IMPROVEMENT COST ESTIMATE
 (114)FUTURE ADT 440 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 02/03/2015
 (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

AGE AND SERVICE

(27) YEAR BUILT 1966
 (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 220
 (30) YEAR OF ADT 2012 (109) TRUCK ADT PCT 6%
 (19) BYPASS OR DETOUR LENGTH 18 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 24 FT
 (49) STRUCTURE LENGTH 26 FT
 (50)CURB OR SIDEWALK: LEFT .3 FT RIGHT .3 FT
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 24.167 FT
 (52) DECK WIDTH OUT TO OUT 25 FT
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 18 FT
 (33) BRIDGE MEDIAN - No Median CODE 0
 (34) SKEW 45° (35) STRUCTURE FLARED 0
 (10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 24.167 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

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Update Date: 03/11/2015

COUNTY : DIVISION : DISTRICT : STRUCTURE NUMBER : LENGTH :
WILKES 11 3 960151 26 FEET

ROUTE CARRIED : SR1728 FEATURE INTERSECTED : DUNGEON CREEK

LOCATED : 1.2 MI.NE.JCT.NC18 BRIDGE NAME : CITY :

FUNC. CLASS : SYST.ON : SYST.UNDER : ADT & YR : RAIL TYPE :
09 NFA NFA 220 2012 LT 227 RT 227

BUILT : BY : PROJ : FED.AID PROJ : DESIGN LOAD :
1966 BMU Unknown

REHAB : BY : PROJ : ALIGNMENT : SKEW : LANES :
TAN 135 ON 2 UNDER 0

NAVIGATION : HT. CRN. TO BED : WATER DEPTH :
VC 0 FT HC 0 FT 6 FT 1 FT

SUPERSTRUCTURE : TIMBER FLOOR ON I-BEAMS

SUBSTRUCTURE : E.BTS:TIMBER CAPS/TIMBER POST & SILLS @ VAR.CTS.

SPANS : 1 @ 26'-2

BEAMS OR GIRDERS : 11 LINES 12 I-BEAMS @ 2'-3.5 CENTERS

FLOOR : ENCROACHMENT : DECK (OUT TO OUT) :
4X8 TIM/5 AWS 25 FT

CLEAR ROADWAY : BETWEEN RAILS : SIDEWALK OR CURB :
24.167 FT 24.833 FT LT .3 FT RT .3 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. : OPE.RTG. : CONTR.MEMBER : POSTED : TTST 16 DATE 03/04/2015
HS-7 HS-11 int bm SV 11

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

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 960151

County WILKES

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	6	SPAN 1 BM 5 3/16" REMAINING ALONG BOTTOM FLANGE FROM END BENT 1 OUT 65" AND 1/8" LOSS IN TOP FLANGE	
 3314	Maintain Steel Superstructure Components	LF	4	SPAN 1 BM 7 HAS 3/16" REMAINING ALONG BOTTOM FLANGE FROM END BENT 1 OUT 50	
 3314	Maintain Steel Superstructure Components	LF	5	SPAN 1 BM 7 HAS 1/4" TO 3/16" REMAINING ALONG BOTTOM FLANGE FROM END BENT 2 BACK 60"	
 3314	Maintain Steel Superstructure Components	LF	5	SPAN 1 BM 8 HAS 3/16" REMAINING ALONG BOTTOM FLANGE ON RT SIDE FROM END BENT 2 BACK 60".	
 3314	Maintain Steel Superstructure Components	LF	9	SPAN 1 BM 9 HAS 1/4" TO 3/16" REMAINING ALONG BOTTOM FLANGE FROM END BENT 2 BACK 9' AND 1/8" LOSS TOP FLANGE	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 960151 County WILKES

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	6 LF
Location:		
Beams and Girders	Bent/Span No. 1	bm 5
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/09/2015	rd williams	d harbinson
Details		
SPAN 1 BM 5 3/16" REMAINING ALONG BOTTOM FLANGE FROM END BENT 1 OUT 65" AND 1/8" LOSS IN TOP FLANGE		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF
Location:		
Beams and Girders	Bent/Span No. 1	bm 7
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/09/2015	rd williams	d harbinson
Details		
SPAN 1 BM 7 HAS 3/16" REMAINING ALONG BOTTOM FLANGE FROM END BENT 1 OUT 50		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 960151 County WILKES

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	5 LF
Location:		
Beams and Girders	Bent/Span No. 1 bm 7 at end bt 2	
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/09/2015	rd williams	d harbinson
Details		
SPAN 1 BM 7 HAS 1/4" TO 3/16" REMAINING ALONG BOTTOM FLANGE FROM END BENT 2 BACK 60"		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	5 LF
Location:		
Beams and Girders	Bent/Span No. 1 bm 8	
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/09/2015	rd williams	d harbinson
Details		
SPAN 1 BM 8 HAS 3/16" REMAINING ALONG BOTTOM FLANGE ON RT SIDE FROM END BENT 2 BACK 60".		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 960151 County WILKES

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	9 LF
Location:		
Beams and Girders	Bent/Span No. 1 bm 9	
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/09/2015	rd williams	d harbinson
Details		
SPAN 1 BM 9 HAS 1/4" TO 3/16" REMAINING ALONG BOTTOM FLANGE FROM END BENT 2 BACK 9' AND 1/8" LOSS TOP FLANGE		



SPAN 1 BM 5 $5 \frac{3}{16}$ " REMAINING ALONG BOTTOM FLANGE FROM END BENT 1 OUT 65" AND $\frac{1}{8}$ " LOSS IN TOP FLANGE



SPAN 1 BM 7 HAS $\frac{3}{16}$ " REMAINING ALONG BOTTOM FLANGE FROM END BENT 1 OUT 50



SPAN 1 BM 7 HAS 1/4" TO 3/16" REMAINING ALONG BOTTOM FLANGE FROM END BENT 2 BACK 60"



SPAN 1 BM 8 HAS 3/16" REMAINING ALONG BOTTOM FLANGE ON RT SIDE FROM END BENT 2 BACK 60".

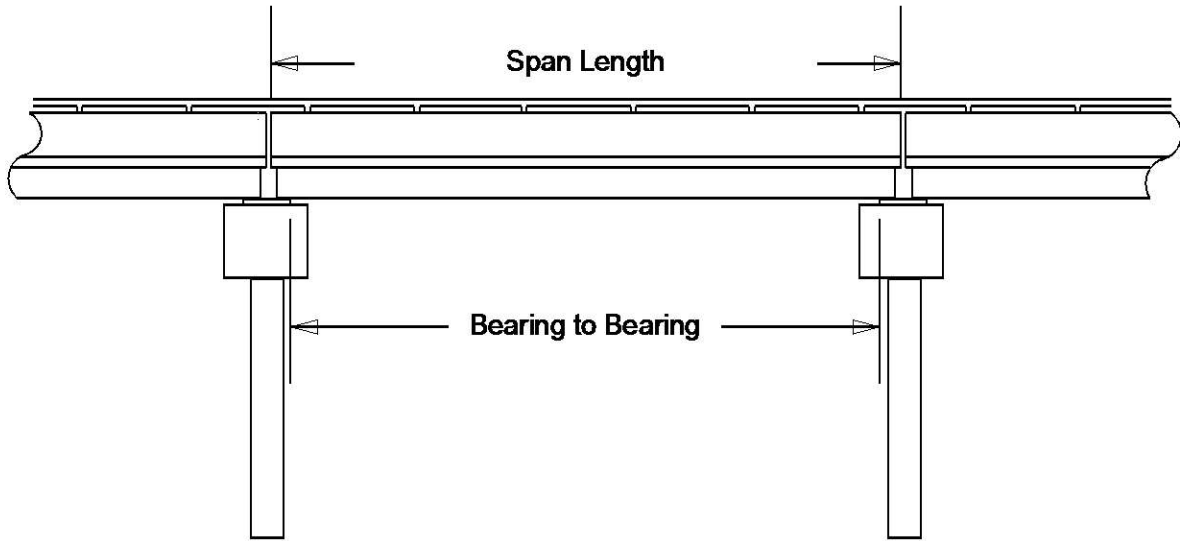


SPAN 1 BM 9 HAS 1/4" TO 3/16" REMAINING ALONG BOTTOM FLANGE FROM END BENT 2 BACK 9' AND 1/8" LOSS TOP FLANGE

Structure Data Worksheet

Spans

County: WILKES Structure No: 960151 Date: Inspected By: rdw



Span No	Span Length	Bearing to Bearing	Comments
1	26' 2"	24' 4"	NBIS LENGTH = 23'-6"

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 960151 County: WILKES Date: By: rdw

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	4.7	TOP CAP			
0.4	6.8	GROUND ABUT 1	0.4	7.9	GROUND ABUT 1
13	7.9	WSWE			
19	8.7				
25	8.4	GROUND ABUT 2	25	7.2	GROUND ABUT 2
25.5	7.9	WSWE			
25.8	4.7	TOP CAP			

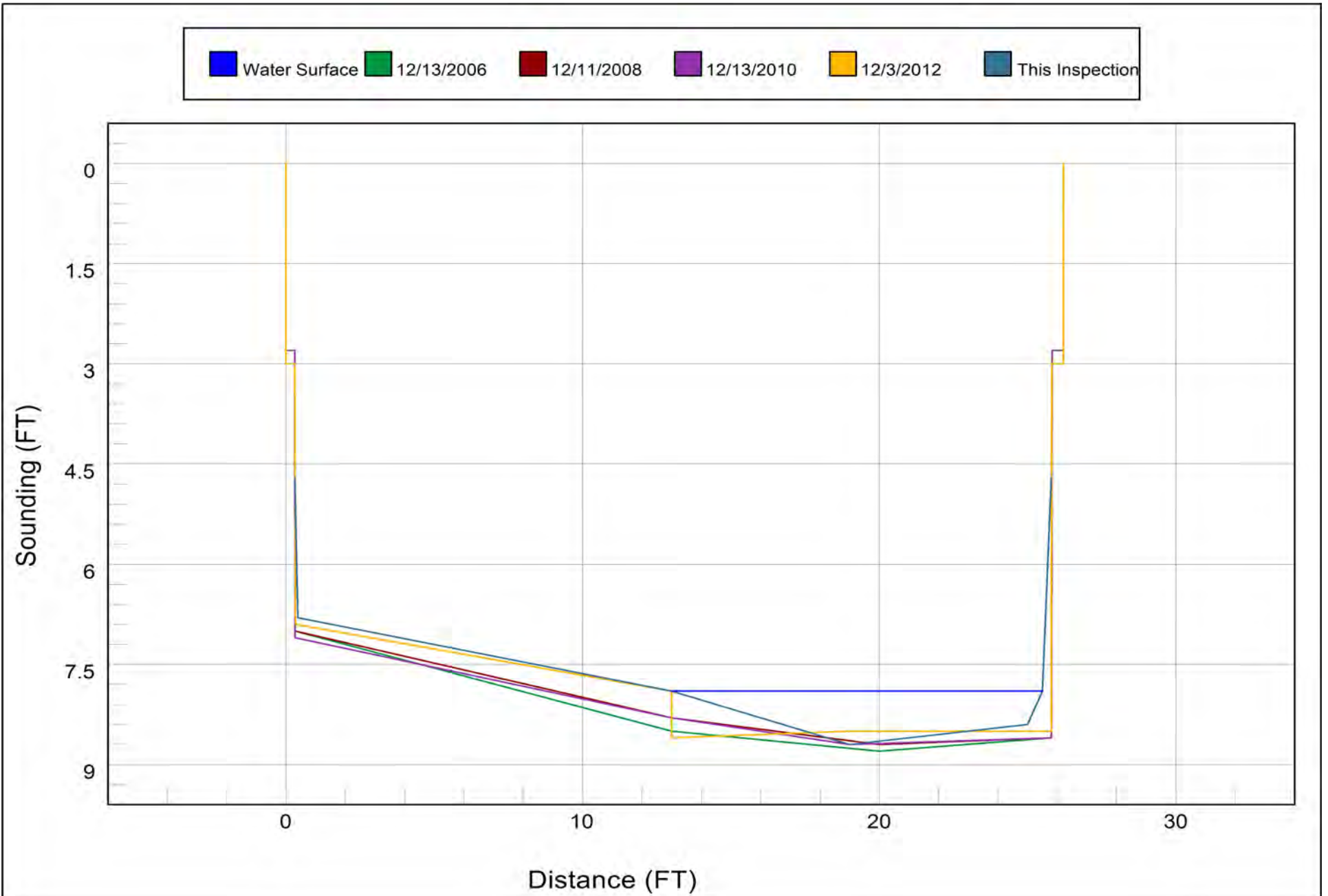
Bridge: 960151

County WILKES

Date:

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)

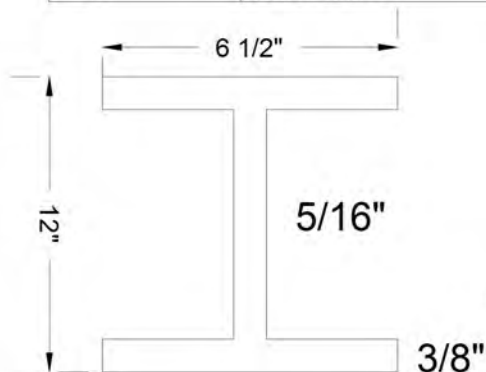


Bridge Inspection Field Sketch

Deck Width/Out to Out	25.0ft	Wearing Surface	0.417ft
Between Rails	24.833ft	Median Width	
Curb Height	0.292ft	Median Height	
Top Rail to Deck/Wearing Surface	2.500ft	Left Guardrail Width	
Clear Roadway	24.167ft	Right Guardrail Width	
Left Bridge Rail	Type 22	Right Bridge Rail	Type 22

Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	1.083
Top of Rail to Bottom of Beam	4.667	Right Overhang	1.0

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.292ft	
2	Steel I Beam	2.292ft	
3	Steel I Beam	2.292ft	
4	Steel I Beam	2.292ft	
5	Steel I Beam	2.292ft	
6	Steel I Beam	2.292ft	
7	Steel I Beam	2.292ft	
8	Steel I Beam	2.292ft	
9	Steel I Beam	2.292ft	
10	Steel I Beam	2.292ft	
11	Steel I Beam		



measurements verified by r williams 2/5/15

VERIFIED 12/3/12 BY KCI

Title

TS

Description

SUPER

Bridge No: 960151

Drawn By: DCW

Date: 12/11/2008

File Name: S0126001264

Bridge Inspection Field Sketch

SR 1728



Roadway	18ft Wide	2 Paved Lanes	Looking East
Left Shoulder	3ft Wide		3ft Unpaved
Right Shoulder	3ft Wide		3ft Unpaved
Left Guardrail			
Right Guardrail			

measurements verified by r williams 2/5/15

VERIFIED 12/3/12 BY KCI

Title

APRW

Description

APPROACH ROADWAY

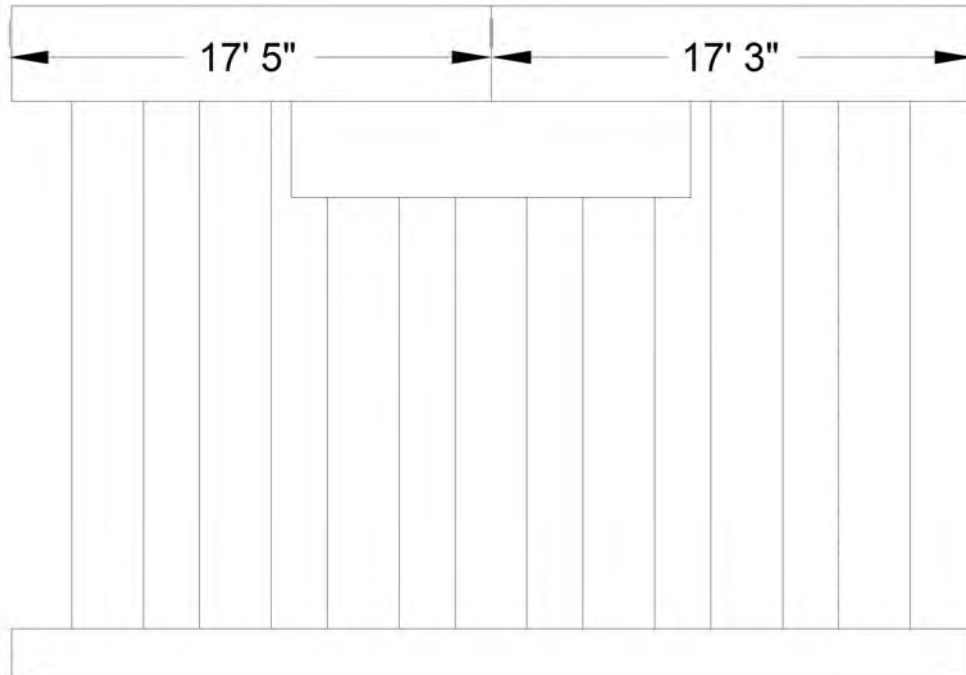
Bridge No: 960151

Drawn By: G.R.R

Date: 12/11/2008

File Name: S0130001447

Bridge Inspection Field Sketch



Abutment #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	34.75ft Long	0.833ft Wide	0.833ft High
Left Overhang	1.417ft	Lt Cap/Beam Overhang	.917ft
Right Overhang	1.5ft	Rt Cap/Beam Overhang	1.167ft
Timber Sub Cap			
Size	14.833ft Long	0.833ft Wide	0.833ft High
Left pile to splice	4.667ft		
Left Overhang	2.75ft		
Right Overhang	2.75ft		
Sill - Sill			
Sill Size			

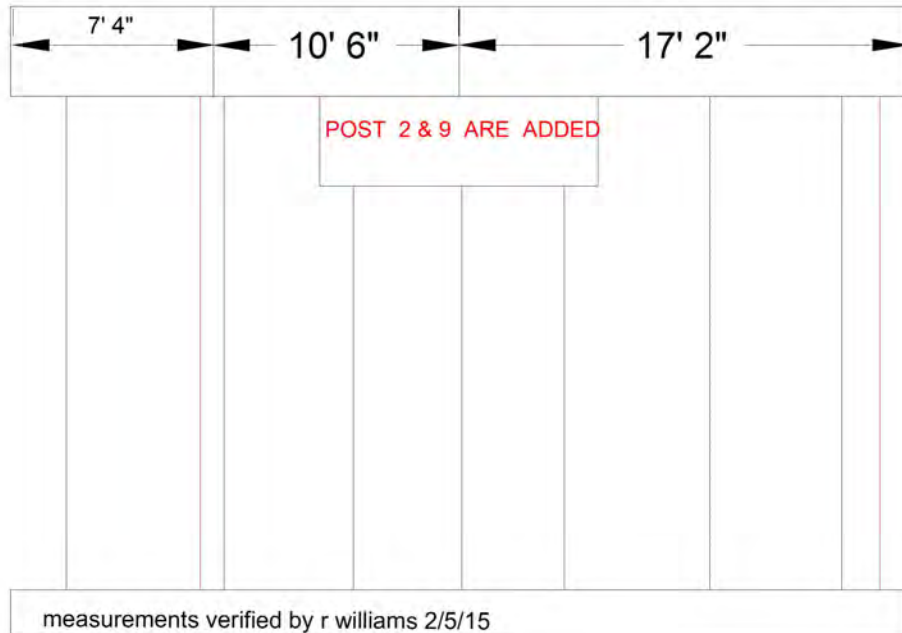
Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Post and Sills	5' 9"		10"	10"	Vertical
2	Wood or Timber	Post and Sills	5' 5"		10"	10"	Vertical
3	Wood or Timber	Post and Sills	4' 9"		10"	10"	Vertical
4	Wood or Timber	Post and Sills	4' 9"		10"	10"	Vertical
5	Wood or Timber	Post and Sills	5' 8'		10"	10"	Vertical
6	Wood or Timber	Post and Sills	5' 7'		10"	10"	Vertical
7	Wood or Timber	Post and Sills			10"	10"	Vertical

measurements verified by r williams 2/5/15

VERIFIED 12/3/12 BY KCI

Title		Description	
SUB 1		SUB AB 1	
Bridge No: 960151	Drawn By: G.R.R.	Date: 12/11/2008	File Name: S0130001448

Bridge Inspection Field Sketch



Abutment #	2		
Cap - Beam Type (Wood or Steel)			
Cap Size	35ft Long	0.833ft Wide	0.833ft High
Left Overhang	1.75ft	Lt Cap/Beam Overhang	1.167ft
Right Overhang	0.583ft	Rt Cap/Beam Overhang	.750ft
Timber Sub Cap			
Size	15ft Long	0.833ft Wide	0.833ft High
Left pile to splice	4.667ft		
Left Overhang	2.833ft		
Right Overhang	2.833ft		
Sill - Sill			
Sill Size			

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Post and Sills	4' 9"		10"	10"	Vertical
2	Wood or Timber	Post and Sills	12"		12"	10"	Vertical
3	Wood or Timber	Post and Sills	5' 5"		10"	10"	Vertical
4	Wood or Timber	Post and Sills	4' 9"		10"	10"	Vertical
5	Wood or Timber	Post and Sills	4' 9"		10"	10"	Vertical
6	Wood or Timber	Post and Sills	5' 8"		10"	10"	Vertical
7	Wood or Timber	Post and Sills	5' 8"		10"	10"	Vertical
8	Wood or Timber	Post and Sills	12"		10"	10"	Vertical
9	Wood or Timber	Post and Sills			12"	12"	Vertical

VERIFIED 12/3/12 BY KCI

Title

SUB 2

Description

SUB AB 2

Bridge No: 960151

Drawn By: G.R.R.

Date: 12/11/2008

File Name: S0130001449