



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: **SHORED STRUCTURE.**

Structure Safety Report

2 Year Complete Topside and Underwater Element Inspection

COUNTY: WILKES STRUCTURE NUMBER: 960150 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1728 MILE POST:

LOCATION: 1.3 MI.NE.JCT.NC18

FEATURE INTERSECTED: DUNGEON CREEK

LATITUDE: 36° 20' 56.69" LONGITUDE: 81° 13' 21.78"

SUPERSTRUCTURE: TIMBER FLOOR ON I-BEAMS

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

SPANS: 1 @ 26'-7"
1 @ 26"-7"

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

PRESENT CONDITION: Fair INSPECTION DATE: 12/01/2014

POSTED SV: 17 POSTED TTST: 22

OTHER SIGNS PRESENT: 4 DELINEATORS



LOOKING EAST AT APPROACH ROADWAY

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
JOHN HOUSTON

SIGNATURE

ASSISTED BY KSH; MEC

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

BRIDGE: 960150 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>JRJ</u>
S I & A ITEM 59 - SUPERSTRUCTURE		
S I & A ITEM 60 - SUBSTRUCTURE	<u>4</u>	<u>JRJ</u> <u>6-17-07</u>
S I & A ITEM 64 OPERATING RATING	HS <u>0.0</u> ¹ <u>ML</u> <u>3/25/09</u>	BY: <u>AK</u>
S I & A ITEM 66 - INVENTORY RATING	HS <u>0.0</u> ¹	BY: <u>AK</u>

COMMENTS

Several posts @ abut #1 supplemented

Not Temp. TMS 02/24/15

Span Element Report

Structure Number: 960150

Inspection Date: 12/01/2014

Span Number 1

Span Length 26.58 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	678	0	678	0	0	678	3324
107		Steel Open Girder/Beam	286	0	286	0	0	286	3314
515	107	Steel Protective Coating	1221	0	1221	0	0	1221	3342
216		Timber Abutment	84	0	83	1	0	84	3346
228		Timber Pile	18	7	7	0	4	15	3344
235		Timber Pier Cap	74	0	74	0	0	74	3344
313		Fixed Bearing	22	0	22	0	0	22	3334
515	313	Steel Protective Coating	44	1	43	0	0	43	3342
332		Timber Bridge Railing	54	0	54	0	0	54	3316
510		Wearing Surface	647	0	0	646	1	647	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: 960150

Inspection Date: 12/01/2014

Structure Number: 960150

Inspection Date: 12/01/2014

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	678	0	678	0	0	678	3324	☐ Requested
☒ Bridge Rail	1	332	Timber Bridge Railing	27	0	27	0	0	27	3316	☐ Requested
☒ Bridge Rail	2	332	Timber Bridge Railing	27	0	27	0	0	27	3316	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	647	0	0	646	1	647	2816	☐ Requested
☒ Beam	1	107	Steel Open Girder/Beam	26	0	26	0	0	26	3314	☐ Requested
Protective System		515	Steel Protective Coating	111	0	111	0	0	111	3342	
☒ Beam	2	107	Steel Open Girder/Beam	26	0	26	0	0	26	3314	☐ Requested
Protective System		515	Steel Protective Coating	111	0	111	0	0	111	3342	
☒ Beam	3	107	Steel Open Girder/Beam	26	0	26	0	0	26	3314	☐ Requested
Protective System		515	Steel Protective Coating	111	0	111	0	0	111	3342	
☒ Beam	4	107	Steel Open Girder/Beam	26	0	26	0	0	26	3314	☐ Requested
Protective System		515	Steel Protective Coating	111	0	111	0	0	111	3342	
☒ Beam	5	107	Steel Open Girder/Beam	26	0	26	0	0	26	3314	☐ Requested
Protective System		515	Steel Protective Coating	111	0	111	0	0	111	3342	
☒ Beam	6	107	Steel Open Girder/Beam	26	0	26	0	0	26	3314	☐ Requested
Protective System		515	Steel Protective Coating	111	0	111	0	0	111	3342	
☒ Beam	7	107	Steel Open Girder/Beam	26	0	26	0	0	26	3314	☐ Requested
Protective System		515	Steel Protective Coating	111	0	111	0	0	111	3342	
☒ Beam	8	107	Steel Open Girder/Beam	26	0	26	0	0	26	3314	☐ Requested
Protective System		515	Steel Protective Coating	111	0	111	0	0	111	3342	
☒ Beam	9	107	Steel Open Girder/Beam	26	0	26	0	0	26	3314	☐ Requested
Protective System		515	Steel Protective Coating	111	0	111	0	0	111	3342	
☒ Beam	10	107	Steel Open Girder/Beam	26	0	26	0	0	26	3314	☐ Requested
Protective System		515	Steel Protective Coating	111	0	111	0	0	111	3342	
☒ Beam	11	107	Steel Open Girder/Beam	26	0	26	0	0	26	3314	☐ Requested
Protective System		515	Steel Protective Coating	111	0	111	0	0	111	3342	
☒ Bearing Device	1	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☒ Bearing Device	1	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☒ Bearing Device	2	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested

Structure Number: 960150

Inspection Date: 12/01/2014

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
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	2	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	2	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	3	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	3	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	1	1	0	0	1	3342	
☐ Bearing Device	3	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	4	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	4	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	4	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	5	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	5	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	5	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	5	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	6	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	6	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	6	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	6	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	7	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	

Structure Number: 960150

Inspection Date: 12/01/2014

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
☐ Bearing Device	7	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	7	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	7	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	8	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	8	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	8	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	8	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	9	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	9	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	9	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	9	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	10	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	10	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	10	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	10	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	11	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	11	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested
☒ Bearing Device	11	313	Fixed Bearing	1	0	1	0	0	1	3334	☐ Requested
Protective System		515	Steel Protective Coating	2	0	2	0	0	2	3342	
☐ Bearing Device	11	316	Other Bearings	1	1	0	0	0	0	3334	☐ Requested

Superstructure Element Defect Descriptions

Structure Number: 960150

Inspection Date: 12/01/2014

Span Number 1

Span	1	Deck	1	Component Name: Timber Deck								
Element: 31	Name Timber Deck			Qty: 678	Lvl 2: 678	Lvl 3	0	Lvl 4	0	Maint. Qty	678	
Defect Description:												

80 Square Feet of Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/4" ON ENDS.
598 Square Feet of Check/Shake: Penetrates 5% - 50% of the thickness of the member and not in a tension zone. RANDOM CHECKS.

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

27 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the member and not in a tension zone. RANDOM CHECKS AND TIRE SCRAPES.

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

27 Feet of Check/Shake: Penetrates 5%-50% of the thickness of the member and not in a tension zone. RANDOM CHECKS AND TIRE SCRAPES.

Span	1	Wearing Surfaces			Component Name:		Asphalt Wearing Surface						
Element:	510	Name	Wearing Surface	Qty:	647	Lvl 2:	0	Lvl 3	646	Lvl 4	1	Maint. Qty	647
Defect Description:													

1 Square Feet of Effectiveness (Wearing Surface): The wearing surface is no longer effective. AREA MISSING AWS.
646 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft. CRACKED ALONG DECK BOARD JOINTS.

Span	1	Beam	1	Component Name:		Plate Girder						
Element: 107	Name	Steel Open Girder/Beam	Qty:	26	Lvl 2:	26	Lvl 3	0	Lvl 4	0	Maint. Qty	26
Defect Description:												

26 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. SURFACE RUST ALONG FLANGE EDGES.
111 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Beam	2	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	26	Lvl 2:	26	Lvl 3	0	Lvl 4	0	Maint. Qty	26
Defect Description:													

26 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. SURFACE RUST ALONG FLANGE EDGES.
111 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Beam	3	Component Name:		Plate Girder							
Element:	107	Name	Steel Open Girder/Beam	Qty:	26	Lvl 2:	26	Lvl 3	0	Lvl 4	0	Maint. Qty	26
Defect Description:													

26 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. SURFACE RUST ALONG FLANGE EDGES.
111 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Beam	4	Component Name:				Plate Girder					
Element:	107	Name	Steel Open Girder/Beam	Qty:	26	Lvl 2:	26	Lvl 3	0	Lvl 4	0	Maint. Qty	26
Defect Description:													

26 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. SURFACE RUST ALONG FLANGE EDGES.
111 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Structure Number: 960150

Inspection Date: 12/01/2014

Span 1	Beam	5	Component Name:	Plate Girder
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Element: 107 Name Steel Open Girder/Beam Qty: 26 Lvl 2: 26 Lvl 3: 0 Lvl 4: 0 Maint. Qty 26

Defect Description:

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

111 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Beam	6	Component Name:	Plate Girder
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Element: 107 Name Steel Open Girder/Beam Qty: 26 Lvl 2: 26 Lvl 3: 0 Lvl 4: 0 Maint. Qty 26

Defect Description:

26 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. SURFACE RUST ALONG FLANGE EDGES.

111 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Beam	7	Component Name:	Plate Girder
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Element: 107 Name Steel Open Girder/Beam Qty: 26 Lvl 2: 26 Lvl 3: 0 Lvl 4: 0 Maint. Qty 26

Defect Description:

26 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. SURFACE RUST ALONG FLANGE EDGES.

111 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Beam	8	Component Name:	Plate Girder
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Element: 107 Name Steel Open Girder/Beam Qty: 26 Lvl 2: 26 Lvl 3: 0 Lvl 4: 0 Maint. Qty 26

Defect Description:

26 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. SURFACE RUST ALONG FLANGE EDGES.

111 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Beam	9	Component Name:	Plate Girder
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Element: 107 Name Steel Open Girder/Beam Qty: 26 Lvl 2: 26 Lvl 3: 0 Lvl 4: 0 Maint. Qty 26

Defect Description:

26 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. SURFACE RUST ALONG FLANGE EDGES.

111 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Beam	10	Component Name:	Plate Girder
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Element: 107 Name Steel Open Girder/Beam Qty: 26 Lvl 2: 26 Lvl 3: 0 Lvl 4: 0 Maint. Qty 26

Defect Description:

26 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. SURFACE RUST ALONG FLANGE EDGES.

111 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Beam	11	Component Name:	Plate Girder
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Element: 107 Name Steel Open Girder/Beam Qty: 26 Lvl 2: 26 Lvl 3: 0 Lvl 4: 0 Maint. Qty 26

Defect Description:

26 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. SURFACE RUST ALONG FLANGE EDGES.

111 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Bearing Device	1	Component Name:	Fixed Bearing
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Element: 313 Name Fixed Bearing Qty: 1 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Bearing Device	1	Component Name:	Fixed Bearing
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Element: 313 Name Fixed Bearing Qty: 1 Lvl 2: 1 Lvl 3: 0 Lvl 4: 0 Maint. Qty 1

Defect Description:

1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.

2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	2	Component Name:		Fixed Bearing							
Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	2	Component Name:		Fixed Bearing							
Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	3	Component Name:		Fixed Bearing							
Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	3	Component Name:		Fixed Bearing							
Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 1 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	4	Component Name:		Fixed Bearing							
Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	4	Component Name:		Fixed Bearing							
Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	5	Component Name:		Fixed Bearing							
Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	5	Component Name:		Fixed Bearing							
Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	6	Component Name:	Fixed Bearing								
Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
Defect Description:													

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Bearing Device 6	Component Name:	Fixed Bearing						
Element: 313	Name Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0 Maint. Qty 1
Defect Description:									

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Bearing Device 7	Component Name:	Fixed Bearing						
Element: 313	Name Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0 Maint. Qty 1
Defect Description:									

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Bearing Device 7	Component Name:	Fixed Bearing						
Element: 313	Name Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0 Maint. Qty 1
Defect Description:									

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Bearing Device 8	Component Name:	Fixed Bearing						
Element: 313	Name Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0 Maint. Qty 1
Defect Description:									

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Bearing Device 8	Component Name:	Fixed Bearing						
Element: 313	Name Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0 Maint. Qty 1
Defect Description:									

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Bearing Device 9	Component Name:	Fixed Bearing						
Element: 313	Name Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0 Maint. Qty 1
Defect Description:									

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Bearing Device 9	Component Name:	Fixed Bearing						
Element: 313	Name Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0 Maint. Qty 1
Defect Description:									

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Bearing Device 10	Component Name:	Fixed Bearing						
Element: 313	Name Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0 Maint. Qty 1
Defect Description:									

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span 1	Bearing Device 10	Component Name:	Fixed Bearing						
Element: 313	Name Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0 Maint. Qty 1
Defect Description:									

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Structure Number: 960150

Inspection Date: 12/01/2014

Span	1	Bearing Device	11	Component Name:	Fixed Bearing				
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Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
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Defect Description:

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Span	1	Bearing Device	11	Component Name:	Fixed Bearing				
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Element:	313	Name	Fixed Bearing	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0	Maint. Qty	1
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Defect Description:

- 1 Each of Corrosion: Freckled rust. Corrosion of the steel has initiated. RANDOM RUST BLISTERING.
- 2 Square Feet of Effectiveness (Steel Protective Coatings): Substantially effective.

Substructure Detailed Element Quantities

Structure Number: 960150

Inspection Date: 12/01/2014

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	42	0	41	1	0	42	3346	☐ Requested
☒ Caps	1	235	Timber Pier Cap	20	0	20	0	0	20	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	0	0	0	1	2	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	16	0	16	0	0	16	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	0	1	0	0	2	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	2	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	0	0	0	1	2	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	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	10	228	Timber Pile	1	0	1	0	0	1	3344	☐ Requested
☒ Piles and Columns	11	228	Timber Pile	1	0	0	0	1	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	42	0	42	0	0	42	3346	☐ Requested
☒ Caps	1	235	Timber Pier Cap	19	0	19	0	0	19	3344	☐ Requested
☒ Caps	2	235	Timber Pier Cap	19	0	19	0	0	19	3344	☐ Requested
☐ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	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	1	0	0	0	0	3344	☐ Requested
☐ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☐ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☐ Piles and Columns	6	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☐ Piles and Columns	7	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Substructure Element Defect Descriptions

Structure Number: 960150

Inspection Date: 12/01/2014

End Bent 1

End Bent 1	Row 1	Abutments	1							
Element: 216	Name	Timber Abutment	Qty:	42	Lvl 2:	41	Lvl 3	1	Lvl 4	0 Maint. Qty 42
Defect Description:										

1 Feet of Decay/Section Loss: Affects 10% or more of the member but does not warrant structural review. POST AT SOUTHWEST WING WALL DECAYED 70%.

41 Feet of Decay/Section Loss: Affects less than 10% of the member section. BACK BOARDS AND POSTS ARE SOFT FROM 1/8" TO 1/4".

End Bent 1	Row 1	Caps	1							
Element: 235	Name	Timber Pier Cap	Qty:	20	Lvl 2:	20	Lvl 3	0	Lvl 4	0 Maint. Qty 20
Defect Description:										

20 Feet of Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/4".

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

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

16 Feet of Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/4".

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

1 Each of Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/8". ADDED TO SUPPLEMENT PILE 1.

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

1 Each of Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/8". ADDED TO SUPPLEMENT PILE 4 (OLD PILE 2).

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

End Bent 1	Row 1	Piles and Columns	5							
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. SOFT TO 1/4".

End Bent 1	Row 1	Piles and	6							
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Columns											
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. SOFT TO 1/4".

End Bent 1	Row 1	Piles and Columns	7
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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 Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/4".

End Bent 1	Row 1	Piles and Columns	8
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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. SUPPLEMENTED WITH PILE 9.

End Bent 1	Row 1	Piles and Columns	9
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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 Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/8". ADDED TO SUPPLEMENT PILE 8.

End Bent 1	Row 1	Piles and Columns	10
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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 Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/8". ADDED TO SUPPLEMENT PILE 11 (OLD PILE 7).

End Bent 1	Row 1	Piles and Columns	11
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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. SUPPLEMENTED WITH PILE 10.

End Bent 2	Row 1	Abutments	1
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Element: 216	Name	Timber Abutment	Qty:	42	Lvl 2:	42	Lvl 3	0	Lvl 4	0 Maint. Qty	42
Defect Description:											

42 Feet of Decay/Section Loss: Affects less than 10% of the member section. BACK BOARDS AND POSTS ARE SOFT FROM 1/8" TO 1/4".

End Bent 2	Row 1	Caps	1
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Element: 235	Name	Timber Pier Cap	Qty:	19	Lvl 2:	19	Lvl 3	0	Lvl 4	0 Maint. Qty	19
Defect Description:											

19 Feet of Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/4".

End Bent 2	Row 1	Caps	2
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Element: 235	Name	Timber Pier Cap	Qty:	19	Lvl 2:	19	Lvl 3	0	Lvl 4	0 Maint. Qty	19
Defect Description:											

19 Feet of Decay/Section Loss: Affects less than 10% of the member section. SOFT TO 1/4".

Inspection Date: 12/01/2014

End Bent 2	Row 1	Piles and Columns	1									
Element: 228	Name	Timber Pile	Qty:	1	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:												
NOT EXPOSED AT THIS TIME.												
End Bent 2	Row 1	Piles and Columns	2									
Element: 228	Name	Timber Pile	Qty:	1	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:												
NOT EXPOSED AT THIS TIME.												
End Bent 2	Row 1	Piles and Columns	3									
Element: 228	Name	Timber Pile	Qty:	1	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:												
NOT EXPOSED AT THIS TIME.												
End Bent 2	Row 1	Piles and Columns	4									
Element: 228	Name	Timber Pile	Qty:	1	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:												
NOT EXPOSED AT THIS TIME.												
End Bent 2	Row 1	Piles and Columns	5									
Element: 228	Name	Timber Pile	Qty:	1	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:												
NOT EXPOSED AT THIS TIME.												
End Bent 2	Row 1	Piles and Columns	6									
Element: 228	Name	Timber Pile	Qty:	1	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:												
NOT EXPOSED AT THIS TIME.												
End Bent 2	Row 1	Piles and Columns	7									
Element: 228	Name	Timber Pile	Qty:	1	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:												
NOT EXPOSED AT THIS TIME.												

National Bridge and NC Inspection Items

Structure Number: 960150

Inspection Date: 12/01/2014

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	6
Item 59: Superstructure	0 - 9 , N	7
Item 60: Substructure	0 - 9 , N	5
Item 61: Channel and Channel Protection	0 - 9 , N	5
Item 62: Culvert	0 - 9 , N	
Item 71: Waterway Adequacy	0 - 9 , N	5
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	F	0	3350
Scour	G, F, P, or C	G		
Field Scour Evaluation		L		
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	7		
Estimated Remaining Life	0 - 100 Years	20		

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	9
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	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 960150

Inspection Date: 12/01/2014

Item	Deck - Item 58	Grade	6	Maint Code	Qty.	0
Details	DECK BOARDS SOFT TO 1/4" ON ENDS. AWS CRACKED ALONG DECK BOARDS.					
Item	Superstructure - Item 59	Grade	7	Maint Code	Qty.	0
Details	SURFACE RUST ON BEAMS.					
Item	Substructure - Item 60	Grade	5	Maint Code	Qty.	0
Details	SOUTH WEST POST DECAYED 70%. PILES HAVE BEEN SUPPLEMENTED AT ABUTMENT 1.					
Item	Channel and Channel Protection - Item 61	Grade	5	Maint Code	Qty.	0
Details	CHANNEL ALIGNMENT: FLOW STRIKES AT ABUTMENT 1.					
Item	Presently Posted	Grade	Y	Maint Code	Qty.	0
Details	SV 17 TTST 22.					
Item	Deck Debris	Grade	G	Maint Code	3376	Qty. 0
Details	SCATTERED GRAVEL AND LEAVES ALONG RAILS.					
Item	Drift	Grade	G	Maint Code	3366	Qty. 0
Details	SCATTERED DEBRIS.					
Item	Scour	Grade	G	Maint Code	Qty.	0
Details	BED EROSION AT ABUTMENT 1.					
Item	Wingwalls	Grade	F	Maint Code	3350	Qty. 0
Details	SOUTH WEST POST AT ABUTMENT 1 DECAYED 70%. SEE PHOTO.					



WEARING SURFACE



ABUTMENT 1 REPAIR



EAST APPROACH ROADWAY



WEST APPROACH ROADWAY



SOUTH WEST WINGWALL POST



LOOKING EAST AT APPROACH ROADWAY



LOOKING EAST



LOOKING SOUTH



LOOKING NORTH



LOOKING WEST



LOOKING WEST AT APPROACH ROADWAY



LOOKING NORTH AT BRIDGE



ABUTMENT 1



ABUTMENT 2



BEAMS



LOOKING SOUTH AT BRIDGE



BEARINGS

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

Update Date: 02/27/2015

IDENTIFICATION				CLASSIFICATION		CODE
(1) STATE NAME -NORTH CAROLINA	BRIDGE	960150		SUFFICIENCY RATING =		58.07
(8) STRUCTURE NUMBER(FEDERAL)		000000001930150		STATUS =	Not Deficient	
(5) INVENTORY ROUTE (ON/UNDER) - ON		31017280				
(2) STATE HIGHWAY DEPARTMENT DISTRICT		3				
(3) COUNTY CODE	193	(4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -		YES
(6) FEATURE INTERSECTED -	DUNGEON CREEK			(104)HIGHWAY SYSTEM	Is not on NHS	0
(7) FACILITY CARRIED	SR1728			(26) FUNCTIONAL CLASS -	Local	09
(9) LOCATION	1.3 MI.NE.JCT.NC18			(100)STRAHNET HIGHWAY -	Not a STRAHNET Route	0
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE -	No Parallel Structure	N
(16)LAT	36° 20' 56.69"	(17)LONG	81° 13' 21.78"	(102)DIRECTION OF TRAFFIC -	2-way Traffic	2
(98)BORDER BRIDGE STATE CODE		PCT SHARE		(103)TEMPORARY STRUCTURE -		
(99)BORDER BRIDGE STRUCTURE NO				(110)DESIGNATED NATIONAL NETWORK -	Not on the National Network	0
STRUCTURE TYPE AND MATERIAL				(20) TOLL	On Free Road	3
(43) STRUCTURE TYPE MAIN:	Steel			(31) MAINTAIN -	State Highway Agency	01
TYPE -	Stringer Mutibeam or Girder	CODE	302	(22) OWNER -	State Highway Agency	01
(44) STRUCTURE TYPE APPR :				(37) HISTORICAL SIGNIFICANCE -	Not Eligible	5
TYPE -		CODE	000	CONDITION		
(45) NUMBER OF SPANS IN MAIN UNIT			1	(58) DECK		6
(46) NUMBER OF APPROACH SPANS				(59) SUPERSTRUCTURE		7
(107)DECK STRUCTURE TYPE -	8	CODE		(60) SUBSTRUCTURE		5
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(61) CHANNEL & CHANNEL PROTECTION		5
(A) TYPE OF WEARING SURFACE -		CODE		(62) CULVERTS		N
(B) TYPE OF MEMBRANE -		CODE		LOAD RATING AND POSTING		
(C) TYPE OF DECK PROTECTION -		CODE		(31) DESIGN LOAD	Unknown	0
AGE AND SERVICE				(63) OPERATING RATING METHOD -	Load Factor	1
(27) YEAR BUILT			1966	(64) OPERATING RATING -	HS-17	30
(106)YEAR RECONSTRUCTED				(65) INVENTORY RATING METHOD -	Load Factor	1
(42) TYPE OF SERVICE : ON -	Highway			(66) INVENTORY RATING -	HS-10	18
UNDER -	Waterway	CODE	15	(70) BRIDGE POSTING -	Posting Required	0
(28) LANES: ON STRUCTURE	2	UNDER STRUCTURE	0	(41) STRUCTURE OPEN, POSTED, OR CLOSED		P
(29) AVERAGE DAILY TRAFFIC			220	DESCRIPTION -	Posted for Load	
(30) YEAR OF ADT	2012	(109) TRUCK ADT PCT	6%	APPRAISAL		
(19) BYPASS OR DETOUR LENGTH			18 MI	(67) STRUCTURAL EVALUATION		5
GEOMETRIC DATA				(68) DECK GEOMETRY		5
(48) LENGTH OF MAXIMUM SPAN			25 FT	(69) UNDERCLEARANCES,VERTI & HORIZ		N
(49) STRUCTURE LENGTH			27 FT	(71) WATERWAY ADEQUACY		5
(50)CURB OR SIDEWALK: LEFT	.3 FT	RIGHT	.3 FT	(72) APPROACH ROADWAY ALIGNMENT		8
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			24.333 FT	(36) TRAFFIC SAFETY FEATURES		0000
(52) DECK WIDTH OUT TO OUT			25.5 FT	(113)SCOUR CRITICAL BRIDGES		U
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			18 FT	PROPOSED IMPROVEMENTS		
(33) BRIDGE MEDIAN -	No Median	CODE	0	(75) TYPE OF WORK -		CODE
(34) SKEW	45°	(35) STRUCTURE FLARED	0	(76) LENGTH OF STRUCTURE IMPROVEMENT		
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT	(94) BRIDGE IMPROVEMENT COST		
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			24.333 FT	(95) ROADWAY IMPROVEMENT COST		
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9 FT	(96) TOTAL PROJECT COST		
(54) MIN VERT UNDERCLEAR REF	Not a Highway or Railroad		0 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE		
(55) MIN LAT UNDERCLEAR RT REF	Not a Highway or Railroad		000 FT	(114)FUTURE ADT	440	(115) YEAR FUTURE ADT
(56) MIN LAT UNDERCLEAR LT REF -			000 FT			2025
NAVIGATION DATA				INSPECTIONS		
(38) NAVIGATION CONTROL -	No Navigational Control	CODE	0	(90) INSPECTION DATE		12/01/2014
(111)PIER PROTECTION -		CODE		(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE
(39) NAVIGATION VERTICAL CLEARANCE			0	A) FRACTURE CRIT DETAIL -	NO	A)
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			FT	B) UNDERWATER INSP -	YES 24Mo	B)
(40) NAVIGATION HORIZONTAL CLEARANCE			0 FT	C) OTHER SPECIAL INSP	NO	C)
				SCOUR		

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Update Date: 02/27/2015

COUNTY : DIVISION : DISTRICT : STRUCTURE NUMBER : LENGTH :
WILKES 11 3 960150 27 FEET

ROUTE CARRIED : SR1728 FEATURE INTERSECTED : DUNGEON CREEK

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

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 5 FT 1 FT

SUPERSTRUCTURE : TIMBER FLOOR ON I-BEAMS

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

SPANS : 1 @ 26'-7

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

FLOOR : ENCROACHMENT : DECK (OUT TO OUT) :
4X8 TIM/1 AWS 25.5 FT

CLEAR ROADWAY : BETWEEN RAILS : SIDEWALK OR CURB :
24.333 FT 25 FT LT .3 FT RT .3 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. : OPE.RTG. : CONTR.MEMBER : POSTED :
HS-10 HS-17 int bm SV 17 TTST 22 DATE 01/25/1995

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

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 960150

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
2816	Asphalt Surface Repair or Replacement	SY	72	CRACKED ALONG ALL DECK BOARDS. 1 SQ FT WEST END MISSING.	
3344	Repair / Replace Timber Substructure Components	LF	4	SOUTH WEST WING POST 70% DECAYED.	

Key



Priority Maintenance Item



Critical Finding Item

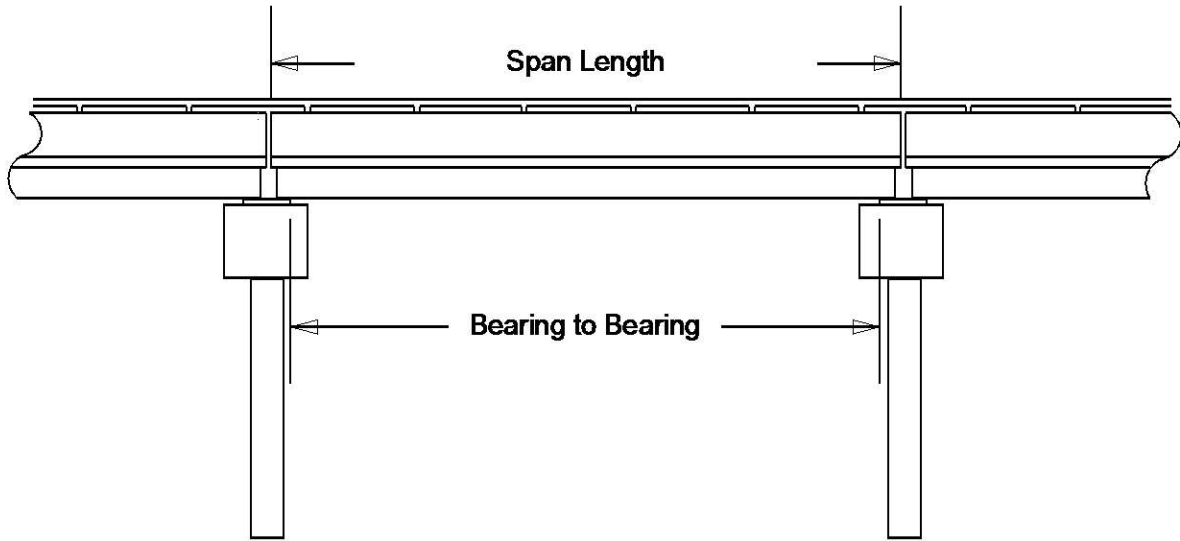


Priority Maintenance Level Not Determined

Structure Data Worksheet

Spans

County: WILKES Structure No: 960150 Date: Inspected By: JCH



Span No	Span Length	Bearing to Bearing	Comments
1	26' 7"	25' 2"	NBIS: 25.9'

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 960150 County: WILKES Date: By: JCH

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	0	TOP OF RAIL			
0	3	TOP OF FF			
0.3	3	TOP OF FF			
0.3	4.7	TOP OF CAP			
0.31	7	FACE OF ABUTMENT	0.31	6.8	FACE OF ABUTMENT
2	7.4	WS WE			
6	7.5	BED			
17.6	7.3	WS WE			
20	6.1	SLOPE			
26.2	5.8	FACE OF ABUTMENT	26.2	6.3	FACE OF ABUTMENT
26.21	4.7	TOP OF CAP			
26.22	3	TOP OF FF			
26.6	3.25	TOP OF FF			
26.61	0	TOP OF RAIL			

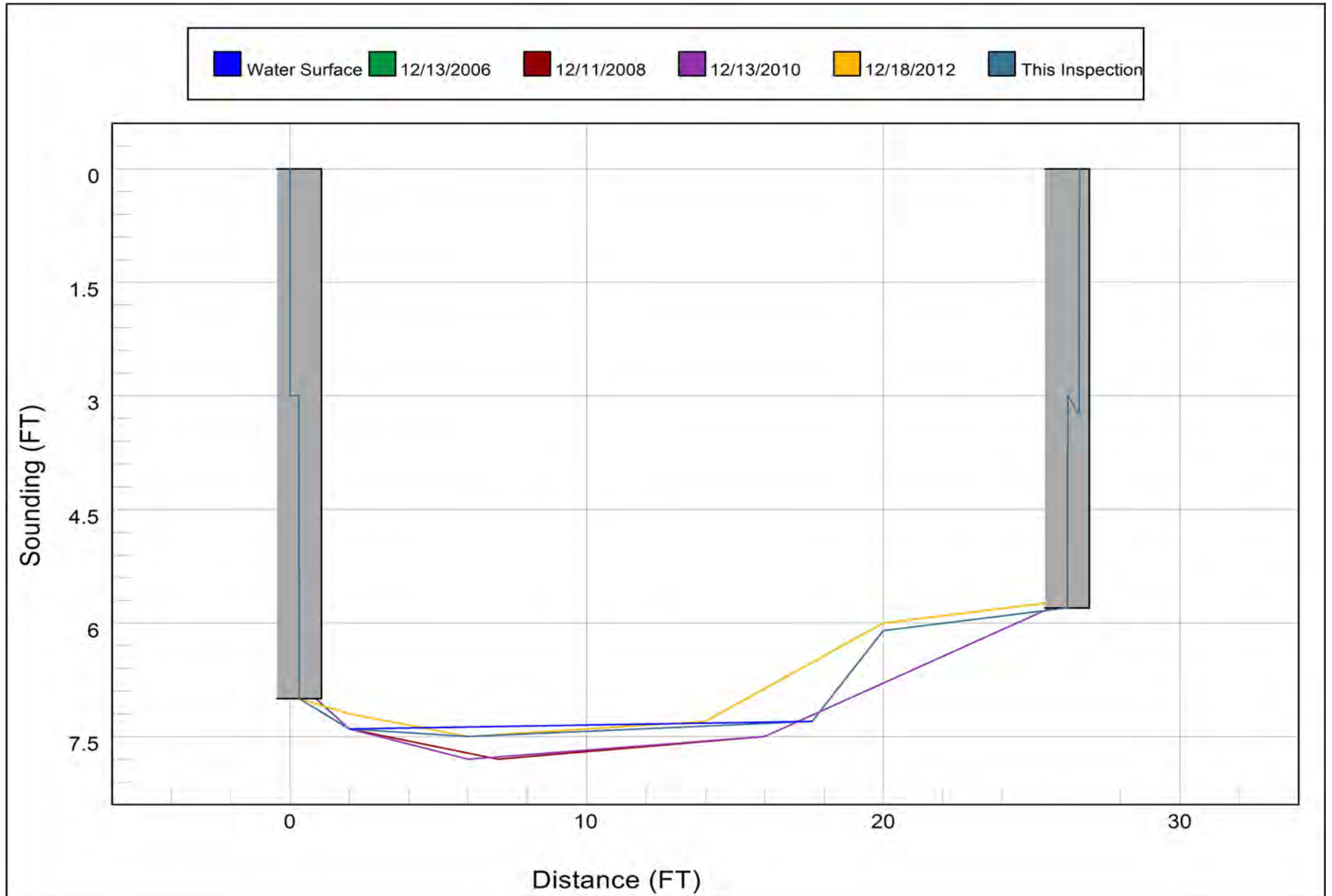
Bridge: 960150

County WILKES

Date:

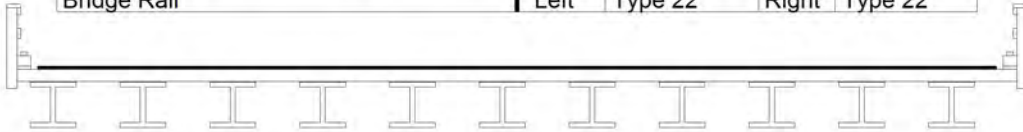
STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



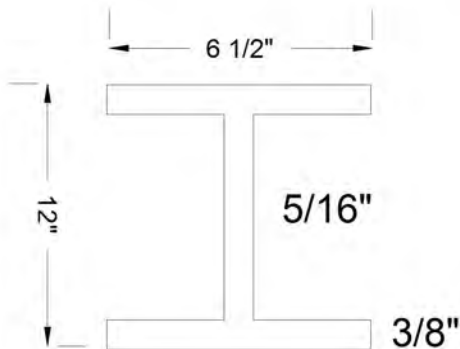
Bridge Inspection Field Sketch

Deck Width/Out to Out	25.5ft	Between Rails			25ft
Clear Roadway	24.333ft	Wearing Surface			0.083ft
Median Width		Median Height			
Curb Height		Left	0.833ft	Right	0.833ft
Sidewalk Width		Left		Right	
Clear Roadway (Rail to Median)		Left		Right	
Guardrail Width		Left	0.667ft	Right	0.667ft
Top of Rail to Deck/Wearing Surface		Left	3ft	Right	3ft
Bridge Rail		Left	Type 22	Right	Type 22



Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	0.917
Top of Rail to Bottom of Beam	4.667	Right Overhang	1.167

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	ft	
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	2.292ft	



Title

TS

Description

SUPER

Bridge No: 960150

Drawn By: JCH

Date: 12/01/2014

File Name: S0126001265

Bridge Inspection Field Sketch

SR 1728



Roadway	18ft Wide	2 Paved Lanes	Looking East
Left Shoulder	4ft Wide		4ft Unpaved
Right Shoulder	4ft Wide		4ft Unpaved
Left Guardrail			
Right Guardrail			

Title

APRW

Description

APPROACH ROADWAY

Bridge No: 960150

Drawn By: JCH

Date: 12/1/2014

File Name: S0130001450

Bridge Inspection Field Sketch



Abutment #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	35.417ft Long	1ft Wide	0.833ft High
Left Overhang	1.75ft	Lt Cap/Beam Overhang	1ft
Right Overhang	2ft	Rt Cap/Beam Overhang	.5ft
Timber Sub Cap			
Size	12ft Long	1ft Wide	0.833ft High
Left pile to splice	7.5ft		
Left Overhang	0.75ft		
Right Overhang	1.25ft		
Sill - Sill			
Sill Size			

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Post and Sills	12"		10"	10"	Vertical
2	Wood or Timber	Post and Sills	3' 10"		12"	12"	Vertical
3	Wood or Timber	Post and Sills	12"		12"	12"	Vertical
4	Wood or Timber	Post and Sills	5' 0"		10"	10"	Vertical
5	Wood or Timber	Post and Sills	5' 2"		10"	10"	Vertical
6	Wood or Timber	Post and Sills	4' 10"		10"	10"	Vertical
7	Wood or Timber	Post and Sills	5' 2"		10"	10"	Vertical
8	Wood or Timber	Post and Sills	12"		10"	10"	Vertical
9	Wood or Timber	Post and Sills	3' 10"		10"	10"	Vertical
10	Wood or Timber	Post and Sills	12"		10"	10"	Vertical
11	Wood or Timber	Post and Sills			10"	10"	Vertical

VERIFIED 12/1/14 JCH

Title

SUB 1

Description

SUB AB 1

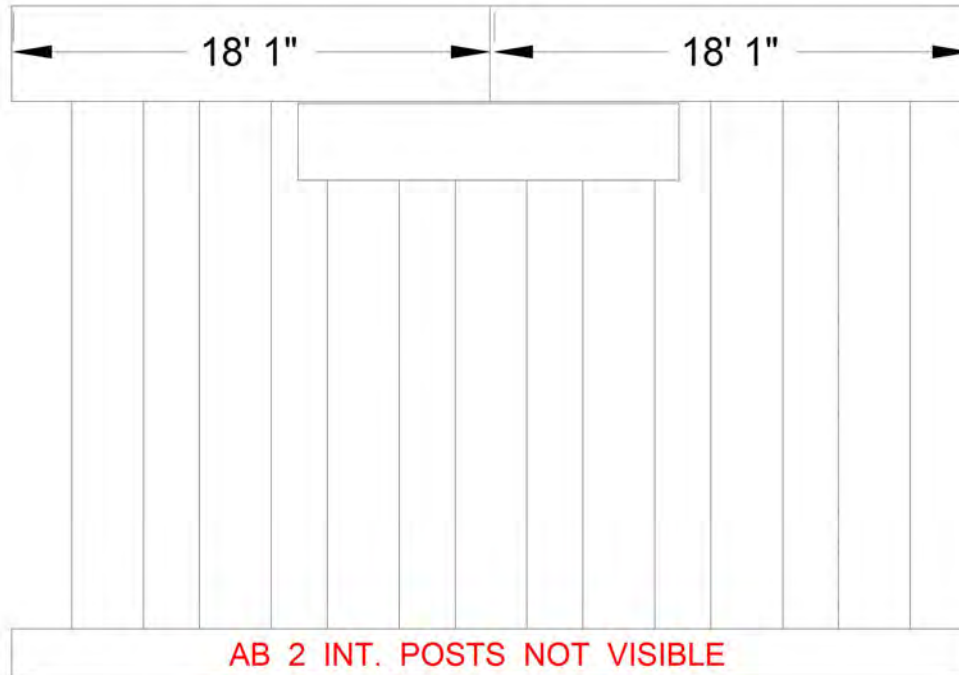
Bridge No: 960150

Drawn By: G.R.R.

Date: 12/11/2008

File Name: S0130001451

Bridge Inspection Field Sketch



Abutment #	2		
Cap - Beam Type (Wood or Steel)			
Cap Size	36.167ft Long	1ft Wide	0.833ft High
Left Overhang	2.167ft	Lt Cap/Beam Overhang	.917ft
Right Overhang	2.333ft	Rt Cap/Beam Overhang	1.5ft
Timber Sub Cap			
Size	15ft Long	0.833ft Wide	0.833ft High
Left pile to splice	NOT VISIBLE		
Left Overhang	NOT VISIBLE		
Right Overhang	NOT VISIBLE		
Sill - Sill			
Sill Size			

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

VERIFIED 12/1/14 JCH

Title	Description
SUB 2	SUB AB 2

Bridge No: 960150	Drawn By: G.R.R.	Date: 12/11/2008	File Name: S0130001452
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