



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: priority maintenance issued on joists and cap
temporary pile repairs concrete encasements

Structure Safety Report

Routine Element Inspection

COUNTY: WAYNE STRUCTURE NUMBER: 950133 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1127 MILE POST: _____

LOCATION: 0.8 MI S JCT SR1129

FEATURE INTERSECTED: YELLOW SWAMP

LATITUDE: 35° 16' 48.78" LONGITUDE: 78° 5' 6.49"

SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR ON TIMBER JOISTS(STD.BMD-10)

SUBSTRUCTURE: E.BTS&INT.BT:TIMBER CAP/TIMBER PILES@8" CTS.

SPANS: 1@17'7";1@17'10"
1@17'7";1@17'10"

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

PRESENT CONDITION: Fair INSPECTION DATE: 05/19/2015

POSTED SV: 19 POSTED TTST: 27

OTHER SIGNS PRESENT: 4 Delineators



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 Willis C May	SIGNATURE <i>Willis C May</i>	ASSISTED BY Wayne T Wilkinson
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BRIDGE INSPECTION RECORD AND SUMMARY FOR SHORED STRUCTURES OR STRUCTURES WITH TEMPORARY REPAIRS MADE TO KEEP A BRIDGE OPEN

BRIDGE:

133

COUNTY:

Wayne

DATE:

5-12-11

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 5/12/11
S I & A ITEM 64 OPERATING RATING		
S I & A ITEM 66 - INVENTORY RATING	HS	BY:
	HS	BY:

COMMENTS

Pile 4 @ E-Bent 1 and Pile 1 @ Int-Bent 1 Encased with Concrete. Temp Repair
Pile 4 @ Int Bent 1 Encased with Concrete. 11/27/14

Not Temp TMS 10/16/15

Span Element Report

Structure Number: 950133

Inspection Date: 05/19/2015

Span Number 1

Span Length 17.583 Feet

Number of Beams/Girders: 19

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	446	442	0	4	0	4	3326
111		Timber Open Girder/Beam	342	237	105	0	0	105	3304
216		Timber Abutment	32	2	30	0	0	30	3346
228		Timber Pile	4	0	3	1	0	8	3344
235		Timber Pier Cap	26	0	26	0	0	26	3344
331		Reinforced Concrete Bridge Railing	36	36	0	0	0	0	3318
510		Wearing Surface	0	-24	0	24	0	24	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

Span Number 2

Span Length 17.833 Feet

Number of Beams/Girders: 19

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
12		Reinforced Concrete Deck	452	448	0	4	0	4	3326
111		Timber Open Girder/Beam	342	212	126	0	4	130	3304
216		Timber Abutment	32	9	20	3	0	5	3346
228		Timber Pile	8	0	6	2	0	21	3344
235		Timber Pier Cap	52	6	46	0	0	46	3344
301		Pourable Joint Seal	0	-10	10	0	0	10	3310
331		Reinforced Concrete Bridge Railing	36	36	0	0	0	0	3318
510		Wearing Surface	0	-48	0	48	0	48	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: 950133

Inspection Date: 05/19/2015

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	12	Reinforced Concrete Deck	446	442	0	4	0	4	3326	☐ Requested
☒ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	18	18	0	0	0	0	3318	☐ Requested
☒ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	18	18	0	0	0	0	3318	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	0	-24	0	24	0	24	2816	☐ Requested
☒ Beam	1	111	Timber Open Girder/Beam	18	8	10	0	0	10	3304	☐ Requested
☒ Beam	2	111	Timber Open Girder/Beam	18	16	2	0	0	2	3304	☐ Requested
☒ Beam	3	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	☐ Requested
☒ Beam	4	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	☐ Requested
☒ Beam	5	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested
☒ Beam	6	111	Timber Open Girder/Beam	18	15	3	0	0	3	3304	☐ Requested
☒ Beam	7	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested
☒ Beam	8	111	Timber Open Girder/Beam	18	6	12	0	0	12	3304	☐ Requested
☒ Beam	9	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	☐ Requested
☒ Beam	10	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	☐ Requested
☒ Beam	11	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	☐ Requested
☒ Beam	12	111	Timber Open Girder/Beam	18	12	6	0	0	6	3304	☐ Requested
☒ Beam	13	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	☐ Requested
☒ Beam	14	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested
☒ Beam	15	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	☐ Requested
☒ Beam	16	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	☐ Requested
☒ Beam	17	111	Timber Open Girder/Beam	18	6	12	0	0	12	3304	☐ Requested
☒ Beam	18	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	☐ Requested
☒ Beam	19	111	Timber Open Girder/Beam	18	12	6	0	0	6	3304	☐ Requested

Structure Number: 950133

Inspection Date: 05/19/2015

Span Number 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
☒ Deck	1	12	Reinforced Concrete Deck	452	448	0	4	0	4	3326	☐ Requested
☒ Bridge Rail	1	331	Reinforced Concrete Bridge Railing	18	18	0	0	0	0	3318	☐ Requested
☒ Bridge Rail	2	331	Reinforced Concrete Bridge Railing	18	18	0	0	0	0	3318	☐ Requested
☒ Wearing Surfaces		510	Wearing Surface	0	-48	0	48	0	48	2816	☐ Requested
☒ Beam	1	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	☐ Requested
☒ Beam	2	111	Timber Open Girder/Beam	18	6	12	0	0	12	3304	☐ Requested
☒ Beam	3	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	☐ Requested
☒ Beam	4	111	Timber Open Girder/Beam	18	10	8	0	0	8	3304	☐ Requested
☒ Beam	5	111	Timber Open Girder/Beam	18	10	8	0	0	8	3304	☐ Requested
☒ Beam	6	111	Timber Open Girder/Beam	18	11	7	0	0	7	3304	☐ Requested
☒ Beam	7	111	Timber Open Girder/Beam	18	15	3	0	0	3	3304	☐ Requested
☒ Beam	8	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	☐ Requested
☒ Beam	9	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	☐ Requested
☒ Beam	10	111	Timber Open Girder/Beam	18	16	0	0	2	2	3304	☒ Requested
☒ Beam	11	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☒ Requested
☒ Beam	12	111	Timber Open Girder/Beam	18	8	10	0	0	10	3304	☐ Requested
☒ Beam	13	111	Timber Open Girder/Beam	18	16	0	0	2	2	3304	☒ Requested
☒ Beam	14	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	☐ Requested
☒ Beam	15	111	Timber Open Girder/Beam	18	6	12	0	0	12	3304	☐ Requested
☒ Beam	16	111	Timber Open Girder/Beam	18	6	12	0	0	12	3304	☐ Requested
☒ Beam	17	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested
☒ Beam	18	111	Timber Open Girder/Beam	18	18	0	0	0	0	3304	☐ Requested
☒ Beam	19	111	Timber Open Girder/Beam	18	0	18	0	0	18	3304	☐ Requested
☐ Expansion Joints	1	301	Pourable Joint Seal	0	-10	10	0	0	10	3310	☐ Requested

Superstructure Element Defect Descriptions

Structure Number: 950133

Inspection Date: 05/19/2015

Span Number 1

Span	1	Deck	1	Component Name:		Reinforced Concrete Deck							
Element: 12	Name	Reinforced Concrete Deck		Qty:	446	Lvl 2:	0	Lvl 3	4	Lvl 4	0	Maint. Qty	4
Defect Description:													

4 Square Feet of 6 in diameter spalls in bottom of deck where holes were drilled for lifting deck.

Span	1	Wearing Surfaces	Component Name:	Asphalt Wearing Surface									
Element:	510	Name	Wearing Surface	Qty:	0	Lvl 2:	0	Lvl 3	24	Lvl 4	0	Maint. Qty	24
Defect Description:													

24 Square Feet of Cracking over End Bent 1. Width of more than 0.05 in. or spacing of less than 1.0 ft.

Span	1	Beam	1	Component Name:	Timber Joist								
Element:	111	Name	Timber Open Girder/Beam	Qty:	18	Lvl 2:	10	Lvl 3	0	Lvl 4	0	Maint. Qty	10
Defect Description:													

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

Span	1	Beam	2	Component Name:	Timber Joist								
Element:	111	Name	Timber Open Girder/Beam	Qty:	18	Lvl 2:	2	Lvl 3	0	Lvl 4	0	Maint. Qty	2
Defect Description:													

2 Feet of split off 3 in x 1 in in the bottom corner.

Span	1	Beam	4	Component Name:	Timber Joist								
Element:	111	Name	Timber Open Girder/Beam	Qty:	18	Lvl 2:	0	Lvl 3	0	Lvl 4	0	Maint. Qty	0
Defect Description:													

Span	1	Beam	5	Component Name:	Timber Joist								
Element:	111	Name	Timber Open Girder/Beam	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 member and not in a tension zone.

Span	1	Beam	6	Component Name:	Timber Joist								
Element:	111	Name	Timber Open Girder/Beam	Qty:	18	Lvl 2:	3	Lvl 3	0	Lvl 4	0	Maint. Qty	3
Defect Description:													

3 Feet of Decay/Section Loss: Affects less than 10% of the member section

Span	1	Beam	7	Component Name:	Timber Joist								
Element:	111	Name	Timber Open Girder/Beam	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 member and not in a tension zone.

Span	1	Beam	8	Component Name:	Timber Joist								
Element:	111	Name	Timber Open Girder/Beam	Qty:	18	Lvl 2:	12	Lvl 3	0	Lvl 4	0	Maint. Qty	12
Defect Description:													

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

Span	1	Beam	12	Component Name:	Timber Joist								
Element:	111	Name	Timber Open Girder/Beam	Qty:	18	Lvl 2:	6	Lvl 3	0	Lvl 4	0	Maint. Qty	6
Defect Description:													

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

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Span	1	Beam	14	Component Name:		Timber Joist							
Element:	111	Name	Timber Open Girder/Beam	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 member and not in a tension zone.

Span	1	Beam	17	Component Name:				Timber Joist					
Element:	111	Name	Timber Open Girder/Beam	Qty:	18	Lvl 2:	12	Lvl 3	0	Lvl 4	0	Maint. Qty	12
Defect Description:													

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

Span	1	Beam	19	Component Name:		Timber Joist							
Element:	111	Name	Timber Open Girder/Beam	Qty:	18	Lvl 2:	6	Lvl 3	0	Lvl 4	0	Maint. Qty	6
Defect Description:													

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

Span Number 2

Span	2	Deck	1	Component Name:		Reinforced Concrete Deck							
Element:	12	Name	Reinforced Concrete Deck	Qty:	452	Lvl 2:	0	Lvl 3	4	Lvl 4	0	Maint. Qty	4
Defect Description:													

4 Square Feet of 6 in diameter spalls in bottom of deck where holes were drilled for lifting deck.

Span	2	Wearing Surfaces			Component Name:		Asphalt Wearing Surface						
Element:	510	Name	Wearing Surface	Qty:	0	Lvl 2:	0	Lvl 3	48	Lvl 4	0	Maint. Qty	48
Defect Description:													

1 Square Foot Pothole 2 in. deep in Wearing surface over the interior bent.

47 Square Feet of Cracking over the Interior bent and End Bent 2. Width of more than 0.05 in. or spacing of less than 1.0 ft.

Span	2	Beam	2	Component Name:		Timber Joist							
Element:	111	Name	Timber Open Girder/Beam	Qty:	18	Lvl 2:	12	Lvl 3	0	Lvl 4	0	Maint. Qty	12
Defect Description:													

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

Span 2	Beam 4	Component Name: Timber Joist									
Element: 111	Name Timber Open Girder/Beam	Qty: 18	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.

Span 2	Beam	5	Component Name:				Timber Joist					
Element: 111	Name	Timber Open Girder/Beam	Qty:	18	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.

Span 2	Beam 6	Component Name: Timber Joist				
Element: 111	Name Timber Open Girder/Beam	Qty: 18	Lvl 2: 7	Lvl 3: 0	Lvl 4: 0	Maint. Qty: 7
Defect Description:						

1 Feet of Decay in bottom of joist at end bent 2 4 in diameter x 1 in deep extending 2 in into bearing at end bent 2.

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

Span 2	Beam 7	Component Name: Timber Joist									
Element: 111	Name Timber Open Girder/Beam	Qty: 18	Lvl 2: 3	Lvl 3: 0	Lvl 4: 0	Maint. Qty: 3					
Defect Description:											

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

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Span 2	Beam	9	Component Name:	Timber Joist
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Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 0 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 0

Defect Description:

Is a replacement and has a 2 in x 24 in dap at bent 1 with 6 in bearing and 1 1/2 in x 28 in dap at end bent 2.

Span 2	Beam	10	Component Name:	Timber Joist
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Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 0 Lvl 3: 0 Lvl 4: 2 Maint. Qty: 2

Defect Description:

The bottom of joist is decayed 2 1/2 in high x 4 in wide x 21 in long over end bent 2 cap. priority maintenance issued

Span 2	Beam	11	Component Name:	Timber Joist
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Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 18 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 18

Defect Description:

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

1 Feet of Decay in the bottom at end bent 2 3 in diameter x 3/4 in deep.

Span 2	Beam	12	Component Name:	Timber Joist
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Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 10 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 10

Defect Description:

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

Span 2	Beam	13	Component Name:	Timber Joist
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Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 0 Lvl 3: 0 Lvl 4: 2 Maint. Qty: 2

Defect Description:

The bottom of joist 13 is decayed 6 in wide x 3 in high x 17 in long over end bent 2 cap. priority maintenance issued

Span 2	Beam	15	Component Name:	Timber Joist
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Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 12 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 12

Defect Description:

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

Span 2	Beam	16	Component Name:	Timber Joist
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Element: 111 Name Timber Open Girder/Beam Qty: 18 Lvl 2: 12 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 12

Defect Description:

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

Span 2	Beam	17	Component Name:	Timber Joist
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Element: 111 Name Timber Open Girder/Beam 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 member and not in a tension zone.

Span 2	Beam	19	Component Name:	Timber Joist
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Element: 111 Name Timber Open Girder/Beam 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 member and not in a tension zone.

Span 2	Expansion Joints	1	Component Name:	Standard Joint
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Element: 301 Name Pourable Joint Seal Qty: 0 Lvl 2: 10 Lvl 3: 0 Lvl 4: 0 Maint. Qty: 10

Defect Description:

10 Feet of Leakage: Minimal. Minor dripping through the joint.

Substructure Detailed Element Quantities

Structure Number: 950133

Inspection Date: 05/19/2015

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	32	2	30	0	0	30	3346	☐ Requested
☒ Caps	1	235	Timber Pier Cap	26	0	26	0	0	26	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	3	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	0	1	0	0	0	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	0	0	1	0	3	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	2	3344	☐ Requested

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
☒ Caps	1	235	Timber Pier Cap	26	0	26	0	0	26	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	0	1	0	3	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	0	0	1	0	3	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	2	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	32	9	20	3	0	5	3346	☐ Requested
☒ Caps	1	235	Timber Pier Cap	26	6	20	0	0	20	3344	☐ Requested
☒ Piles and Columns	1	228	Timber Pile	1	0	1	0	0	3	3344	☐ Requested
☒ Piles and Columns	2	228	Timber Pile	1	0	1	0	0	3	3344	☐ Requested
☒ Piles and Columns	3	228	Timber Pile	1	0	1	0	0	3	3344	☐ Requested
☒ Piles and Columns	4	228	Timber Pile	1	0	1	0	0	3	3344	☐ Requested

Substructure Element Defect Descriptions

Structure Number: 950133

Inspection Date: 05/19/2015

End Bent 1

End Bent 1	Row 1	Abutments	1							
Element: 216	Name	Timber Abutment	Qty:	32	Lvl 2:	30	Lvl 3	0	Lvl 4	0 Maint. Qty 30
Defect Description:										

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

Left and right side bulkhead piles have been spliced and have a 18 in x 24 in concrete collar at ground line.

End Bent 1	Row 1	Caps	1							
Element: 235	Name	Timber Pier Cap	Qty:	26	Lvl 2:	26	Lvl 3	0	Lvl 4	0 Maint. Qty 26
Defect Description:										

26 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							
Element: 228	Name	Timber Pile	Qty:	1	Lvl 2:	1	Lvl 3	0	Lvl 4	0 Maint. Qty 3
Defect Description:										

1 Each of Decay; Pile is soft 1/2 in deep .

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

1 Each of Decay; Pile is soft 1/2 in deep .

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

1 Each of Connection: Pile is leaning toward with a 3 1/2 in loss of bearing.

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

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

Pile has been spliced and has a concrete collar at ground line. Colar is cracked.

Bent 1	Row 1	Caps	1							
Element: 235	Name	Timber Pier Cap	Qty:	26	Lvl 2:	26	Lvl 3	0	Lvl 4	0 Maint. Qty 26
Defect Description:										

Cap was previously sagged 2.5 in at the middle of the cap. Repairs have been made with shims on piles 2 & 3. Piles appear to have settled since repair and is presently sagged 1.5 in at the middle. priority maintenance issued

10 Feet of Decay; Crownstrip is decayed and soft 1/2 in deep in the span 2 side from left in 10 ft long.

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

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

Pile has been encased in concrete from cap down 3 ft. Concrete has a 1/4 in vertical crack.

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

Bent 1	Row 1	Piles and Columns	2
--------	-------	-------------------	---

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

- 1 Each of Settlement: 2 in of steel shims have been placed on top of pile. Pile appears to have settled since repair. Sag at midpoint of cap is 1.5 inches.
1 Each of 3/8 in wide vertical Cracks in span 2 side 1 ft long at waterline. (Timber): Identified crack that is not arrested but does not require structural review. Checks in face of pile from cap to waterline.

Bent 1	Row 1	Piles and Columns	3
--------	-------	-------------------	---

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

- 1 Each of Settlement: 2 in of steel shims have been placed on top of pile. Pile appears to have settled since repair. Sag at midpoint of cap is 1.5 inches.
1 Each of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone.

Bent 1	Row 1	Piles and Columns	4
--------	-------	-------------------	---

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

- 1 Each of Check/Shake: Penetrates 5%-50% of the thickenss of the member and not in the tension zone.
Pile has been spliced and has a 2 ft diameter concrete collar 1.5 ft down from cap.

End Bent 2	Row 1	Abutments	1
------------	-------	-----------	---

Element: 216 Name Timber Abutment Qty: 32 Lvl 2: 20 Lvl 3: 3 Lvl 4: 0 Maint. Qty 5
Defect Description:

- 20 Feet of Check/Shake in bulkhead piles and bulkhead boards : Penetrates 5%-50% of the thickness of teh member and not in a tension zone.
3 Feet of Decay 1 in deep in top bulkhead board at right side of end bent 2.

End Bent 2	Row 1	Caps	1
------------	-------	------	---

Element: 235 Name Timber Pier Cap Qty: 26 Lvl 2: 20 Lvl 3: 0 Lvl 4: 0 Maint. Qty 20
Defect Description:

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

End Bent 2	Row 1	Piles and Columns	1
------------	-------	-------------------	---

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

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

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

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

Structure Number: 950133

Inspection Date: 05/19/2015

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

National Bridge and NC Inspection Items

Structure Number: 950133

Inspection Date: 05/19/2015

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	6
Item 59: Superstructure	0 - 9 , N	6
Item 60: Substructure	0 - 9 , N	5
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	F	72	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C	G		
Slope Protection	G, F, P, or C	F	0	3352
Wingwall	G, F, P, or C	F	20	3350
Scour	G, F, P, or C	G		
Field Scour Evaluation		G		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C		0	3364
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	8		

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	7
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	Y

National Bridge and NC SMU Inspection Item Details

Structure Number: 950133

Inspection Date: 05/19/2015

Item	Priority Maintenance Issued	Grade	Y	Maint Code	Qty.	0
Details	decayed joists					
Item	Presently Posted	Grade	Y	Maint Code	Qty.	0
Details	SV 19 TTST 27					
Item	Other Equipment Used	Grade	Y	Maint Code	Qty.	0
Details	boots					
Item	Deck Debris	Grade	F	Maint Code	3376	Qty. 72
Details	Dirt and debris along curbs.					
Item	Utilities	Grade	G	Maint Code	Qty.	0
Details	2 in diameter utility line under right overhang.					
Item	Wingwalls	Grade	F	Maint Code	3350	Qty. 20
Details	End bent 1 Right wingwall pile is decay in the center with at 1 in shell remaining. End bent 2 Left tall wingwall pile is decayed in the center with a 2 in shell remaining.					
Item	Field Scour Evaluation	Grade	G	Maint Code	Qty.	0
Details	Plan of action code z: no change in mudline from established baseline.					



Transverse crack in Wearing surface over End Bent 2



Asphalt wearing surface cracked and settled at the centerline of Bent 1



Transverse crack in Wearing surface over End Bent 1



Decay in left End of cap at End Bent 2



Decay in the bottom of Joist No.6 at End Bent 2



Decay in the Bottom of Joist No.10 at End Bent 2 (Priority maintenance issued)



Decay in the bottom of Joist No.13 at End Bent 2 (Priority maintenance issued)



Vertical checks throughout all timber piles



Decay in the Right side Wingwall boards at End Bent 2



Longitudinal checks throughout timber Joists



Temporary pile repairs throughout structure



Interior bent cap is sagging 1.5" at centerline



Spall in Bottom of deck Span 2 bay 14, other bays have similar spalls due to lifting of spans for repair



Decay in the Right side Wingwall pile at End Bent 1



Decay in bottom of joist 10 span 2 at end bent 2 photo 2



Decay in bottom of joist 13 span 2 at end bent 2 photo 2



sag in bent 1 cap



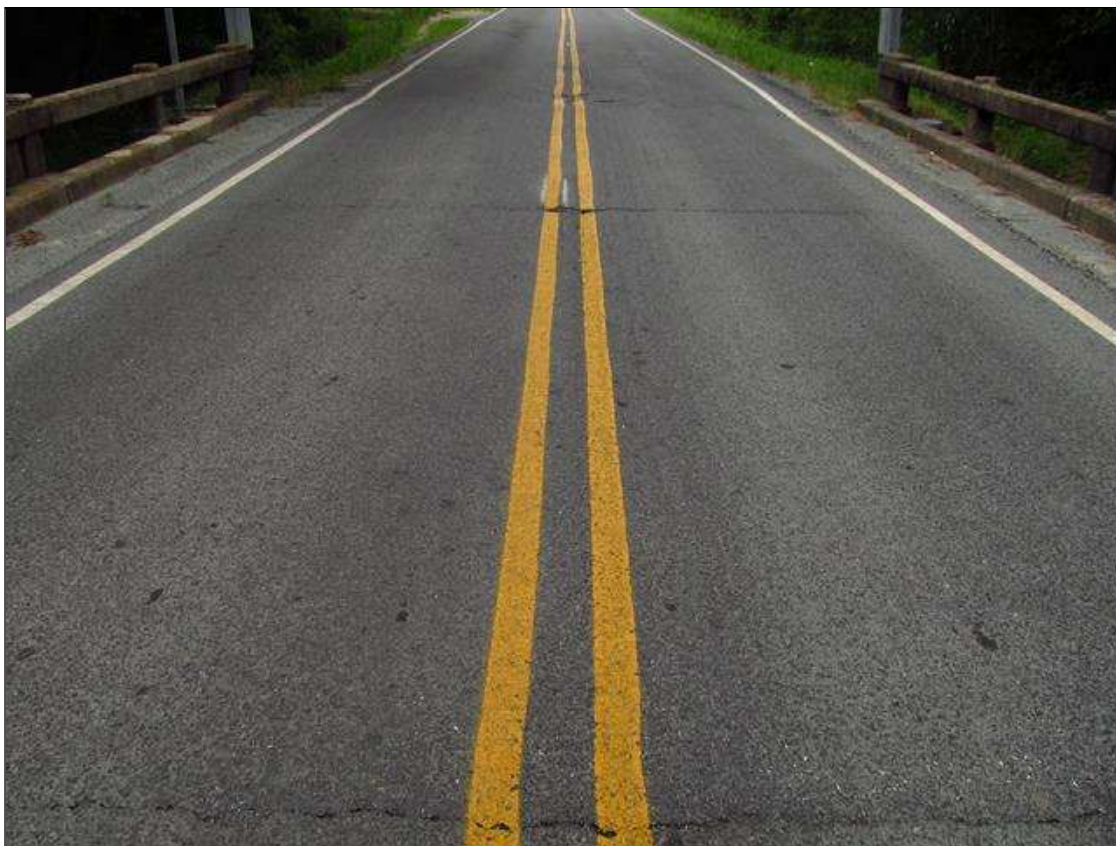
sag in bent 1 cap photo 2



Looking south



Weight posting



Asphalt wearing surface overview



Looking north



Looking west downstream



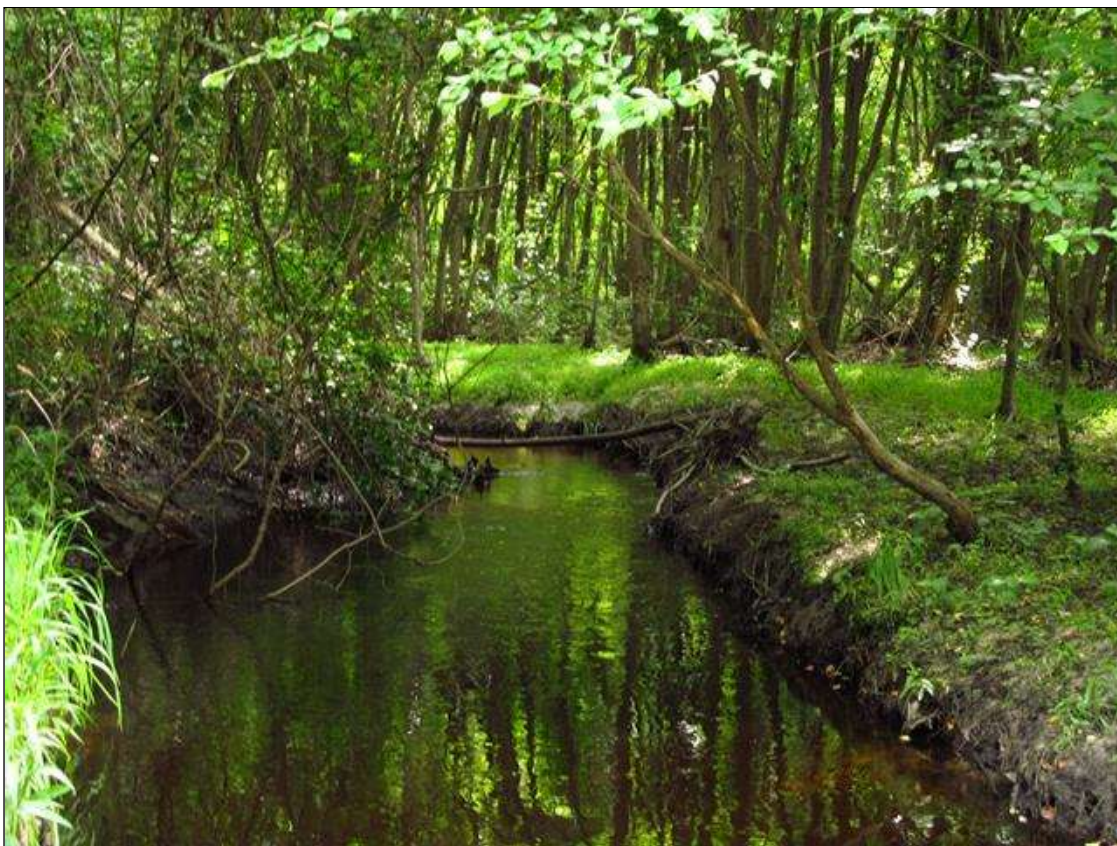
West profile



End Bent 1 overview



End Bent 2 overview



Looking east upstream



Bent 1 Span 1 side



Superstructure over End of cap



East profile



weight posting

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

Update Date: 10/09/2015

IDENTIFICATION							
(1) STATE NAME -NORTH CAROLINA	BRIDGE	950133		SUFFICIENCY RATING =	20.6		
(8) STRUCTURE NUMBER(FEDERAL)		000000001910133		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31011270					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		3					
(3) COUNTY CODE	191	(4) PLACE CODE	0				
(6) FEATURE INTERSECTED -	YELLOW MARSH BRANCH						
(7) FACILITY CARRIED	SR1127						
(9) LOCATION	0.8 MI. S. JCT. SR1129						
(11) MILEPOINT		0					
(16) LAT	35° 16' 48.78"	(17) LONG	78° 5' 6.49"				
(98) BORDER BRIDGE STATE CODE		PCT SHARE					
(99) BORDER BRIDGE STRUCTURE NO							
STRUCTURE TYPE AND MATERIAL				CLASSIFICATION			
(43) STRUCTURE TYPE MAIN:	Wood or Timber			(112) NBIS BRIDGE SYSTEM -	YES		
TYPE -	Stringer Multibeam or Girder	CODE	702	(104) HIGHWAY SYSTEM	Is not on NHS		
(44) STRUCTURE TYPE APPR :				(26) FUNCTIONAL CLASS -	Local		
TYPE -		CODE	000	(100) STRAHNET HIGHWAY -	Not a STRAHNET Route		
(45) NUMBER OF SPANS IN MAIN UNIT		2		(101) PARALLEL STRUCTURE -	No Parallel Structure		
(46) NUMBER OF APPROACH SPANS				(102) DIRECTION OF TRAFFIC -	2-way Traffic		
(107) DECK STRUCTURE TYPE -	1	CODE		(103) TEMPORARY STRUCTURE -	Temporary Structure/Conditions		
(108) WEARING SURFACE / PROTECTIVE SYSTEM :				(110) DESIGNATED NATIONAL NETWORK -	Not on the National Network		
(A) TYPE OF WEARING SURFACE -		CODE		(20) TOLL	On Free Road		
(B) TYPE OF MEMBRANE -		CODE		(31) MAINTAIN -	State Highway Agency		
(C) TYPE OF DECK PROTECTION -		CODE		(22) OWNER -	State Highway Agency		
				(37) HISTORICAL SIGNIFICANCE -	Not Eligible		
				CONDITION			
(58) DECK				6			
(59) SUPERSTRUCTURE				6			
(60) SUBSTRUCTURE				4			
(61) CHANNEL & CHANNEL PROTECTION				7			
(62) CULVERTS				N			
				LOAD RATING AND POSTING			
(31) DESIGN LOAD	Unknown			0			
(63) OPERATING RATING METHOD -	Allowable Stress			2			
(64) OPERATING RATING -	HS-1			1			
(65) INVENTORY RATING METHOD -	Allowable Stress			2			
(66) INVENTORY RATING -	HS-1			1			
(70) BRIDGE POSTING -	Posting Required			0			
(41) STRUCTURE OPEN, POSTED ,OR CLOSED				P			
DESCRIPTION -	Posted for Load						
				APPRAISAL			
(67) STRUCTURAL EVALUATION				3			
(68) DECK GEOMETRY				4			
(69) UNDERCLEARANCES, VERTI & HORIZ				N			
(71) WATERWAY ADEQUACY				7			
(72) APPROACH ROADWAY ALIGNMENT				8			
(36) TRAFFIC SAFETY FEATURES				0000			
(113) SCOUR CRITICAL BRIDGES				U			
				PROPOSED IMPROVEMENTS			
(75) TYPE OF WORK -				CODE			
(76) LENGTH OF STRUCTURE IMPROVEMENT							
(94) BRIDGE IMPROVEMENT COST							
(95) ROADWAY IMPROVEMENT COST							
(96) TOTAL PROJECT COST							
(97) YEAR OF IMPROVEMENT COST ESTIMATE							
(114) FUTURE ADT	1920	(115) YEAR FUTURE ADT	2025				
				INSPECTIONS			
(90) INSPECTION DATE				05/19/2015			
(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							
				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: 10/09/2015

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
WAYNE	4	3	950133	35	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1127	YELLOW MARSH BRANCH

LOCATED :	BRIDGE NAME :	CITY :
0.8 MI. S. JCT. SR1129		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	960 2012	LT 241 RT 241

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1954	BMU			Unknown

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

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT	HC 0 FT		8 FT		1		FT

SUPERSTRUCTURE :	REINFORCED CONCRETE FLOOR ON TIMBER JOISTS (STD.BMD-10)
------------------	---

SUBSTRUCTURE :	E.BTS & INT.BT:TIMBER CAP ON TIMBER PILES @8' 0" CENTERS
----------------	--

SPANS :	1@17'7", 1@17'10"
---------	-------------------

BEAMS OR GIRDERS :	19 LINES OF 6" X 12" TIMBER JOISTS @ VARIOUS CENTERS
--------------------	--

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
5.5" RC, 2" AWS	1 LINE 2" UTILITY PIPE	25.333 FT

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

VERT.CL.OVER :	
999.9 FT	

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-1	HS-1	Joist	SV 19	27	08/22/2011

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

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 950133

County WAYNE

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3304	Maintain/Replace Timber Superstructure Components	LF	2	JOIST 10 SPAN 2 IS DECAYED IN THE BOTTOM OF THE JOIST IN THE BEARING AREA OVER END BENT 2 CAP 21" LONG X 4" WIDE X 2.5" DEEP	
 3304	Maintain/Replace Timber Superstructure Components	LF	2	JOIST 13 SPAN 2 IS DECAYED IN THE BOTTOM OF THE JOIST IN THE BEARING AREA OVER END BENT 2 17" LONG X 6" WIDE X 3" DEEP.	
 3344	Repair / Replace Timber Substructure Components	LF	13	PILES 2 AND 3 OF BENT 1 HAVE SETTLED. CAP IS SAGGED 1.5 INCHES AT MIDSPAN.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 950133 County WAYNE

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

MMS Code	MMS Description	Quantity
3304	Maintain/Replace Timber Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 2	JOIST No.11 AT END BENT 2
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2015	WILLIS C MAY	WAYNE T WILKINSON
Details		
JOIST 10 SPAN 2 IS DECAYED IN THE BOTTOM OF THE JOIST IN THE BEARING AREA OVER END BENT 2 CAP 21" LONG X 4" WIDE X 2.5" DEEP		

MMS Code	MMS Description	Quantity
3304	Maintain/Replace Timber Superstructure Components	2 LF
Location:		
Beams and Girders	Bent/Span No. 2	JOIST No.13 OVER END BENT 2
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2015	WILLIS C MAY	WAYNE T WILKINSON
Details		
JOIST 13 SPAN 2 IS DECAYED IN THE BOTTOM OF THE JOIST IN THE BEARING AREA OVER END BENT 2 17" LONG X 6" WIDE X 3" DEEP.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 950133 County WAYNE

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

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	13 LF
Location:		
Pier Cap	Bent/Span No. 1	BENT 1 CAP
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/21/2015	WILLIS C MAY	WAYNE T WILKINSON
Details		
PILES 2 AND 3 OF BENT 1 HAVE SETTLED. CAP IS SAGGED 1.5 INCHES AT MIDSPAN.		



DECAY 21" LONG X 4" WIDE X 2.5" DEEP IN THE BOTTOM OF JOIST NO.11 OVER END BENT 2.



DECAY 17" LONG X 6" WIDE X 3" DEEP IN THE BOTTOM OF JOIST NO.13 OVER END BENT 2.



DECAY IN BOTTOM OF JOIST 10 SPAN 2 OVER END BENT 2 PHOTO 2



SAG IN BENT 1 CAP

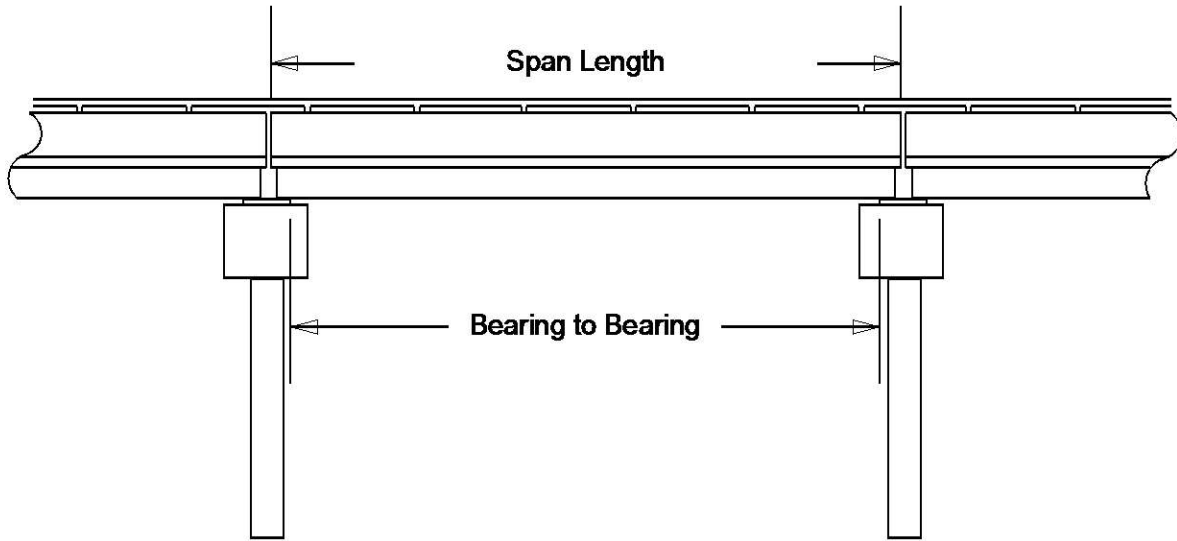


SAG IN BENT 1 CAP

Structure Data Worksheet

Spans

County: WAYNE Structure No: 950133 Date: Inspected By: WCM



Span No	Span Length	Bearing to Bearing	Comments
1	17.583	16.833	
2	17.833	17.083	NBIS LENGTH: 32.917 FT.

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 950133 County: WAYNE Date: _____ By: WCM

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			
0.1	3.8	TOP OF CAP			
2	7.3	GAC	2	7.7	GAC
6	9.4	Water Surface/Water Edge (WSWE)			
9	9				
13	9.7				
18	10.5	BENT 1	18	10.5	BENT 1
25	9.3	Water Surface/Water Edge (WSWE)			
27	8.7				
34	7.8	GAC	34	8.6	GAC
36	3.8	TOP OF CAP			
36.1	0	TOP OF RAIL			

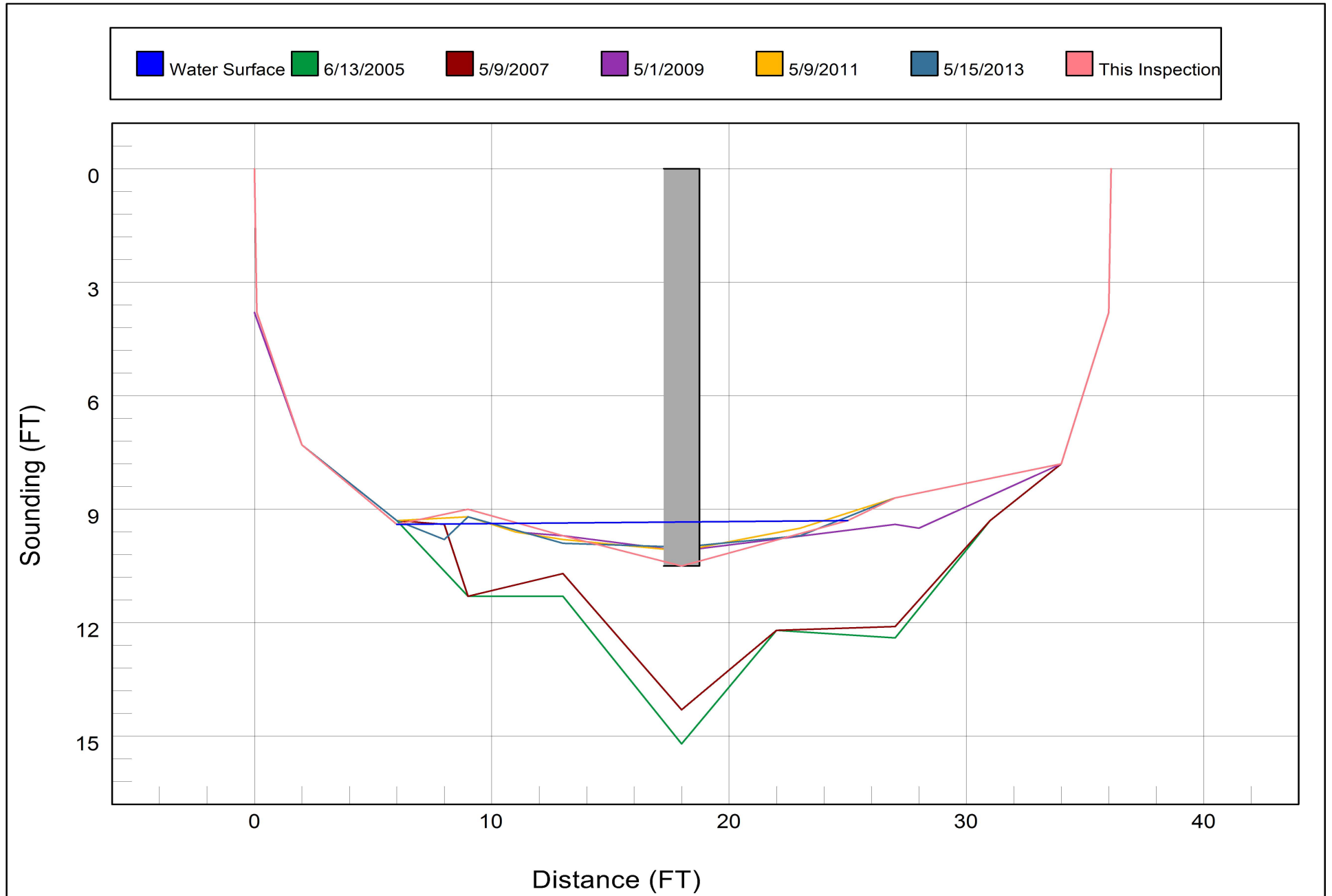
Bridge: 950133

County WAYNE

Date:

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch

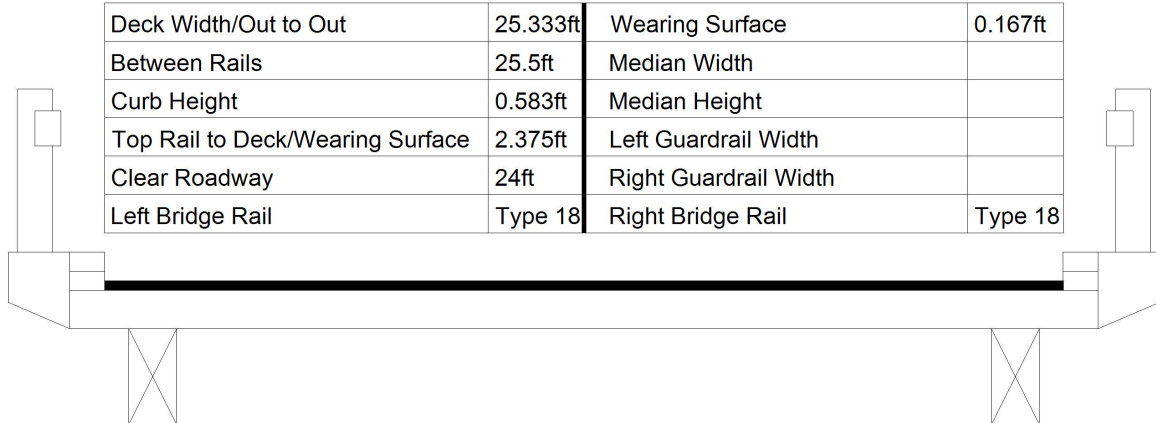


Roadway	20.583ft Wide	2 Paved Lanes	Looking North
Left Shoulder	7ft Wide		7ft Unpaved
Right Shoulder	6ft Wide		6ft Unpaved
Left Guardrail			
Right Guardrail			

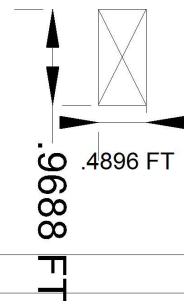
CHECKED BY: WTW 05/19/2015

Title APPROACH ROADWAY		Description LOOKING NORTH	
Bridge No: 950133	Drawn By:	Date: 06/10/2005	File Name: S0018000395

Bridge Inspection Field Sketch



Measurements for Span #	1	ALL SPANS SIMILAR	
Deck Thickness	0.417	Left Overhang	0.458
Top of Rail to Bottom of Beam	3.792	Right Overhang	.4375



Beam No	Beam Type	Spacing	Comments
1	Timber (Rectangular)	1.833ft	
2	Timber (Rectangular)	1.333ft	
3	Timber (Rectangular)	1.333ft	
4	Timber (Rectangular)	1.333ft	
5	Timber (Rectangular)	1.333ft	
6	Timber (Rectangular)	1.333ft	
7	Timber (Rectangular)	1.333ft	
8	Timber (Rectangular)	1.333ft	
9	Timber (Rectangular)	1.333ft	
10	Timber (Rectangular)	1.333ft	
11	Timber (Rectangular)	1.333ft	
12	Timber (Rectangular)	1.333ft	
13	Timber (Rectangular)	1.333ft	
14	Timber (Rectangular)	1.333ft	
15	Timber (Rectangular)	1.333ft	
16	Timber (Rectangular)	1.333ft	
17	Timber (Rectangular)	1.333ft	
18	Timber (Rectangular)	1.333ft	
19	Timber (Rectangular)		

Title

TYPICAL SECTION

CHECKED BY: WTW 05/19/2015

Description

LOOKING NORTH

Bridge No: 950133

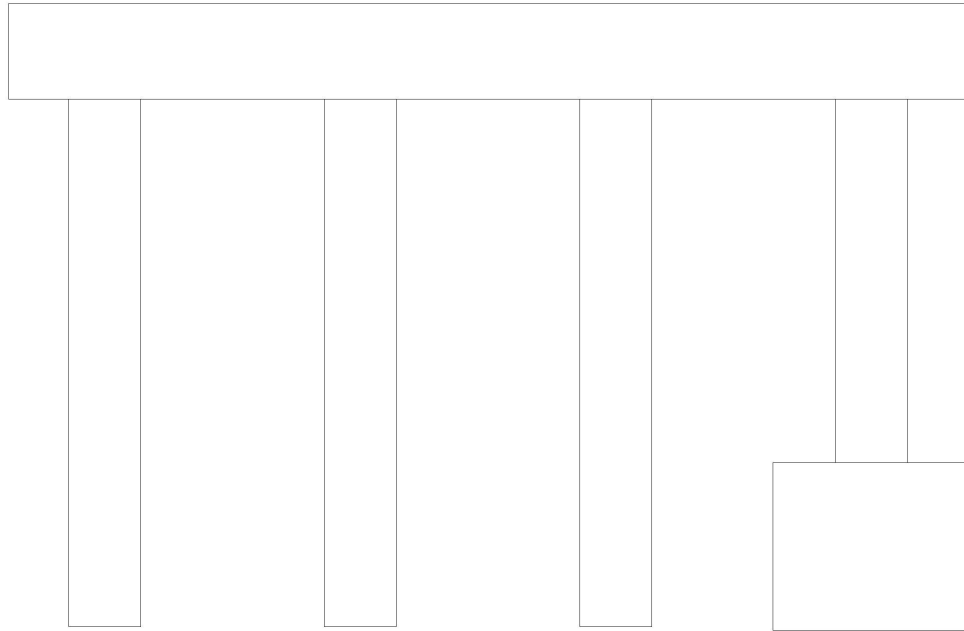
Drawn By:

Checked By: WTW 5/1/09

Date: 06/10/2005

File Name: S0018000396

Bridge Inspection Field Sketch



24" DIA CONC COLLAR

Abutment #	1		
Cap - Beam Type (Wood or Steel)	TIMBER		
Cap Size	26 ft Long	0.958ft Wide	0.958ft High
Left Overhang	1ft	Lt Cap/Beam Overhang	0.833ft
Right Overhang	1ft	Rt Cap/Beam Overhang	0.833ft

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

CHECKED BY: WTW 05/19/2015

Title

END BENT 1

Description

END BENT 1

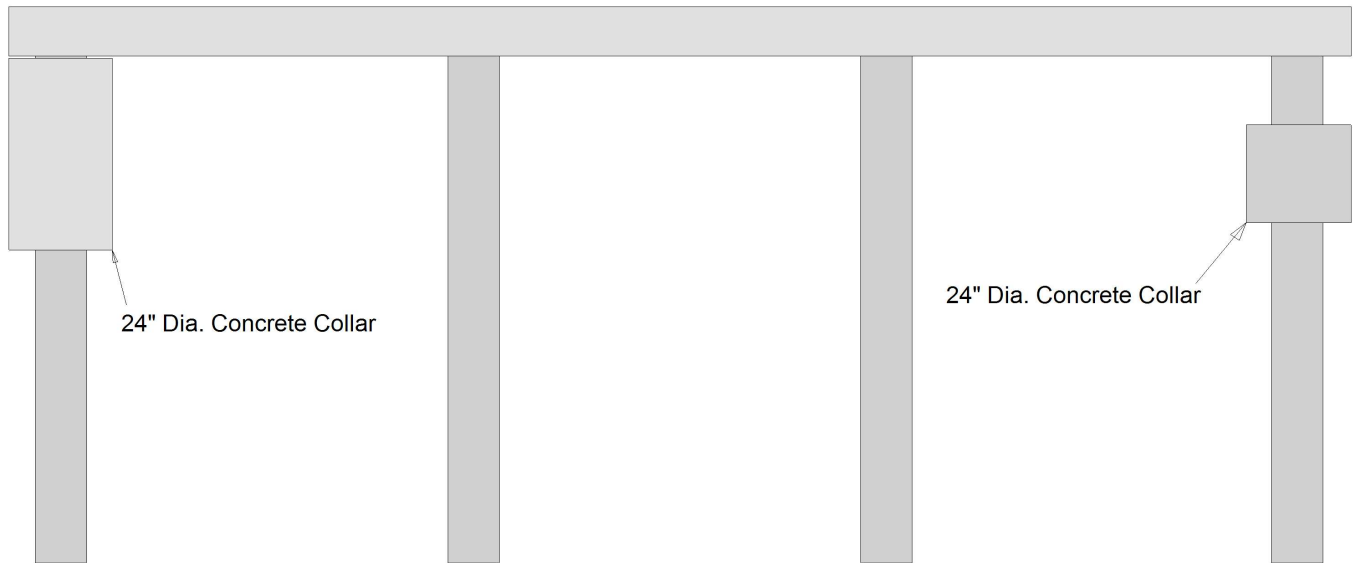
Bridge No: 950133

Drawn By: A. D. OSBORNE

Date: 06/10/2005

File Name: S0154000004

Bridge Inspection Field Sketch



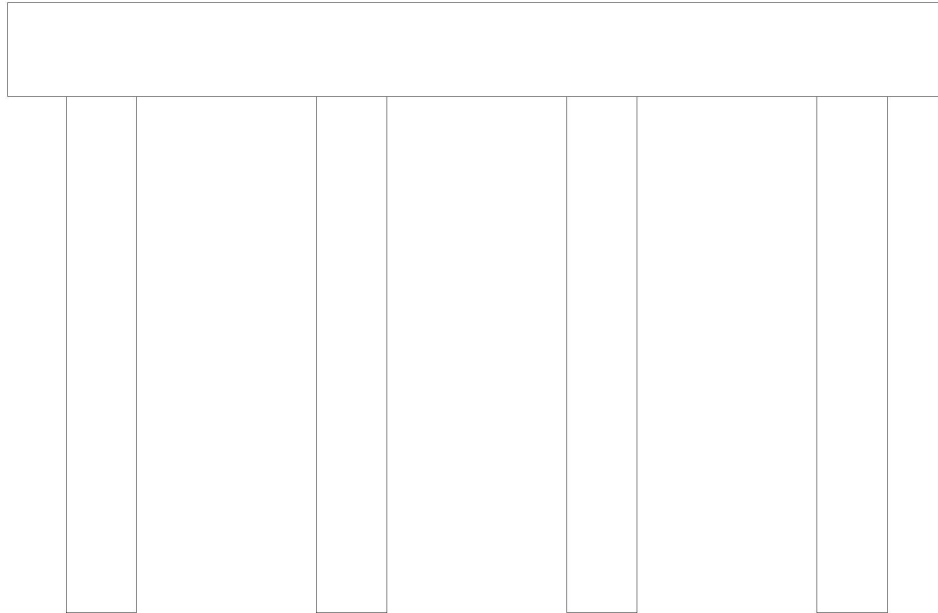
Cap Information			Material Timber							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
26.000 ft.	.958 ft.	.958 ft.	1 ft.	1 ft.	.833 ft.	.833 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	8.0 ft.	1.0 ft.			Vertical	Yes	No	No	Yes
2	Timber	8.0 ft.	1.0 ft.			Vertical	Yes	No	No	No
3	Timber	8.0 ft.	1.0 ft.			Vertical	Yes	No	No	No
4	Timber		1.0 ft.			Vertical	Yes	No	No	Yes

CHECKED BY: WTW 05/19/2015
Bent/Abutment #: 1

Similar Bents:

Title		Description	
BENT 1		BENT 1	
Bridge No: 950133	Drawn By: WTW	Date: 05/19/2015	File Name: S0018013889

Bridge Inspection Field Sketch



Abutment #	2		
Cap - Beam Type (Wood or Steel)	TIMBER		
Cap Size	26 ft Long	0.958ft Wide	0.958ft High
Left Overhang	1ft	Lt Cap/Beam Overhang	0.833ft
Right Overhang	1ft	Rt Cap/Beam Overhang	0.833ft

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

CHECKED BY: WTW 05/19/2015

Title END BENT 2		Description END BENT 2	
Bridge No: 950133	Drawn By: WCM	Date: 05/08/2007	File Name: S0014003371

Bridge Inspection Field Sketch



N

END BENT 2

FLOW



0.4'

BT 1

2.0'

END BENT 1

BOTTOM COMP. = SILT, CLAY, SAND W/ 4' PROBE

WATER SURFACE = 9.8' AT W. END OF BT. 1

Title

PLAN VIEW

Description

WATERWAY

Bridge No: 950133

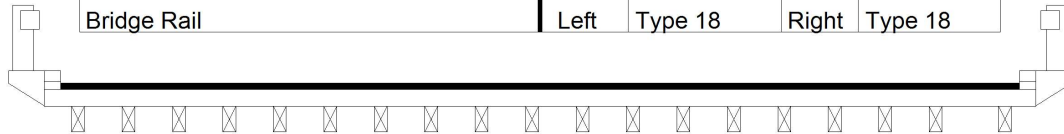
Drawn By: BZC

Date: 8/16/2007

File Name: S0158000452

Bridge Inspection Field Sketch

Deck Width/Out to Out	25.333ft	Between Rails			25.5ft
Clear Roadway	24ft	Wearing Surface			0.167ft
Median Width		Median Height			
Curb Height		Left	0.583ft	Right	0.583ft
Sidewalk Width		Left		Right	
Clear Roadway (Rail to Median)		Left		Right	
Guardrail Width		Left		Right	
Top of Rail to Deck/Wearing Surface		Left	2.375ft	Right	2.375ft
Bridge Rail		Left	Type 18	Right	Type 18



Measurements for Span #	2		
Deck Thickness	0.417	Left Overhang	0.458
Top of Rail to Bottom of Beam	3.792	Right Overhang	0.438

Beam Number	Beam Type	Spacing	Comments
1	Timber (Rectangular)	1.333ft	
2	Timber (Rectangular)	1.333ft	
3	Timber (Rectangular)	1.333ft	
4	Timber (Rectangular)	1.333ft	
5	Timber (Rectangular)	1.333ft	
6	Timber (Rectangular)	1.333ft	
7	Timber (Rectangular)	1.333ft	
8	Timber (Rectangular)	1.333ft	
9	Timber (Rectangular)	1.333ft	
10	Timber (Rectangular)	1.333ft	
11	Timber (Rectangular)	1.333ft	
12	Timber (Rectangular)	1.333ft	
13	Timber (Rectangular)	1.333ft	
14	Timber (Rectangular)	1.333ft	
15	Timber (Rectangular)	1.333ft	
16	Timber (Rectangular)	1.333ft	
17	Timber (Rectangular)	1.333ft	
18	Timber (Rectangular)	1.833ft	
19	Timber (Rectangular)	ft	

Title
TYPICAL SECTION II

Description
SPAN 2

Bridge No: 950133

Drawn By: WTW

Date: 5/19/2015

File Name: S0018014712