



NC DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINTENANCE: RIGHT RAIL, ONE LANE  
BRIDGE SIGN, JOIST 1, BENT CAP, END BENT 1 SILL

## Structure Safety Report

### Routine Element Inspection

COUNTY: MITCHELL STRUCTURE NUMBER: 600156 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1325 MILE POST:

LOCATION: .6 MI.N.JCT.SR1328

FEATURE INTERSECTED: BEANS CREEK

LATITUDE: 36° 4' 49.09" LONGITUDE: 82° 13' 31.15"

SUPERSTRUCTURE: TIMBER FLOOR ON TIMBER JOISTS

SUBSTRUCTURE: E.BTS&INT.BT:TIM.CAPS/TIM.POST&SILLS/CONCRETE FOOTINGS

1 @ 15.417'; 1 @ 16.417'

SPANS: 1 @ 15'-5.75'; 1 @ 16'-5.75'

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

PRESENT CONDITION: Fair INSPECTION DATE: 10/16/2017

POSTED SV: 12 POSTED TTST: 21

OTHER SIGNS PRESENT: DELINEATORS (4), ONE LANE BRIDGE (1)



Sign noticed issued for		Number Required
NO	WEIGHT LIMIT	0
NO	DELINEATORS	0
NO	NARROW BRIDGE	0
YES	ONE LANE BRIDGE	1
NO	LOW CLEARANCE	0

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS

SOUTH APPROACH LOOKING NORTH

INSPECTED BY JOSEPH HUNTSINGER	SIGNATURE <i>Joseph Huntsinger</i>	ASSISTED BY DENNIS WILSON
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# Structure Element Scoring

Structure Number: **600156**

Inspection Date **10/16/201**  
**7**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
31	0	Timber Deck	Deck	561	561	0	0	0
111	0	Timber Open Girder/Beam	Beam	295	279	0	16	0
216	0	Timber Abutment	Abutments	56	28	0	28	0
228	0	Timber Pile	Piles and Columns	12	12	0	0	0
235	0	Timber Pier Cap	Caps	60	58	0	2	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	32	32	0	0	0
332	0	Timber Bridge Railing	Bridge Rail	66	0	0	66	0
510	0	Wearing Surface	Wearing Surfaces	547	541	0	6	0

# Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **600156**

Inspection Date: **10/16/2017**

<b>MMS Code</b>	<b>Element Name</b>	<b>Defect Name</b>	<b>Recommended Quantity</b>
3304	Timber Open Girder/Beam	Decay/Section Loss	16 Feet
3346	Timber Abutment	Decay/Section Loss	28 Feet
3344	Timber Pier Cap	Decay/Section Loss	2 Feet
3316	Timber Bridge Railing	Decay/Section Loss	66 Feet
2816	Wearing Surface	Patched Area/Pothole (Wearing Surface)	2 Square Feet
2816	Wearing Surface	Crack (Wearing Surface)	4 Square Feet

## Element Structure Maintenance Quantities

Structure Number: **600156**

Inspection Date **10/16/2017**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3346	Maintenance of Timber Bulkheads or Wingwalls	28	56	0	28	0	28
Beam	3304	Maintenance of Timber of Superstructure Components	16	295	0	16	0	279
Bridge Rail	3316	Maintenance of Timber Bridge Rail	66	66	0	66	0	0
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	0	32	0	0	0	32
Caps	3344	Maintenance To Timber Substrcutre	2	60	0	2	0	58
Deck	3324	Maintenance of Timber Deck Components	0	561	0	0	0	561
Piles and Columns	3344	Maintenance To Timber Substrcutre	0	12	0	0	0	12
Wearing Surfaces	2816	Asphalt Surface Repair	6	547	0	6	0	541

## Element Condition and Maintenance Data

Structure Number: 600156

Inspection Date: 10/16/2017

### Span 1 Wearing Surface

#### Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	265	259	0	6	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	3' DIAMETER AREA OF MAP CRACKING AT THE SOUTH APPROACH 6' OUT FROM THE LEFT RAIL.	3	4	4 Square Feet
510	Patched Area/Pothole (Wearing Surface)	1' DIAMETER PATCHED POTHOLE THAT IS BEGINNING TO CRACK AND BREAK OUT AT THE RIGHT EDGE OF ROADWAY AT THE SOUTH APPROACH.	3	2	2 Square Feet

General Comments

### Span 1 Left Bridge Rail

#### Timber Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	16	16	0	0	0 Feet
332	Timber Bridge Railing	16	0	0	16	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
332	Decay/Section Loss	FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES, AND DECAY AT THE ANCHOR BOLTS UP TO 1/2" DEEP. A PRIORITY MAINTENANCE IS REQUESTED.	3	16	16 Feet

General Comments

### Span 1 Right Bridge Rail

#### Timber Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	16	16	0	0	0 Feet
332	Timber Bridge Railing	16	0	0	16	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
332	Decay/Section Loss	FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. POST BLOCK 1 HAS DECAY WITH MINIMAL SECTION REMAINING IN PLACE. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES. A PRIORITY MAINTENANCE IS REQUESTED.	3	16	16 Feet

General Comments

### Span 2 Beam 1

#### Timber Joist

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
111	Timber Open Girder/Beam	16	0	0	16	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **600156**Inspection Date: **10/16/2017**

111	Decay/Section Loss	DELAMINATION / DECAY 8' LONG AT 6" UP FROM THE BOTTOM OF THE JOIST WITH THE UPPER PORION BULGING OUT UP TO 0.375" BEGINNING AT THE FAR END. THE JOIST IS HOLLOW SOUNDING NEAR MID HEIGHT THE FULL LENGTH. 1' LONG X 4" HIGH X 4" DEEP DECAY AT THE BEARING ON END BENT 2. A SUPPLEMENT JOIST HAS BEEN PLACED 13" TO THE RIGHT OF THIS JOIST. HOWEVER THE LEFT RAIL IS ATTACHED TO THIS JOIST. A PRIORITY MAINTENANCE IS REQUESTED.	3	16	16	Feet
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**General Comments****Span 2****Beam 2****Timber Joist**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
111	Timber Open Girder/Beam	16	16	0	0	0 Feet

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

THIS IS A SUPPLEMENT JOIST ADDED DUE TO DECAY IN JOIST 1. THIS IS A TEMPORARY REPAIR DUE TO A PRIORITY MAINTENANCE.

**Span 2****Left Bridge Rail****Timber Rail**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
332	Decay/Section Loss	FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES, AND DECAY AT THE ANCHOR BOLTS UP TO 1/2" DEEP. NEW POST AT THE FAR END OF THE RAIL WAS ATTACHED TO DECAYED JOIST 1, AND IS LOOSE AT THE TOP. A PRIORITY MAINTENANCE IS REQUESTED.	3	17	17 Feet

**General Comments****Span 2****Right Bridge Rail****Timber Rail**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
332	Decay/Section Loss	FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. ALL POST BLOCKS ARE DECAYED WITH ONLY MINIMAL SOUND TIMBER REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES. A PRIORITY MAINTENANCE IS REQUESTED.	3	17	17 Feet

**General Comments**

**End Bent 1****Abutment****Timber Abutment**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
216	Timber Abutment	28	0	0	28	0 Feet

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Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
216	Decay/Section Loss	TIMBERS ARE SOFT WITH MULTIPLE AREAS OF DECAY UP TO 1/2" DEEP. DECAY UP TO 3/4" DEEP ON THE LEFT END OF THE ABUTMENT.	3	28	28 Feet

**General Comments****Bent 1****Cap 1****Timber Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
235	Timber Pier Cap	20	18	0	2	0 Feet

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Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
235	Decay/Section Loss	1' LONG X UP TO 4" DEEP DECAY IN THE LEFT END OF THE CAP, EXTENDING UNDERNEATH BEARING OF JOIST 1 IN BOTH SPANS. SOFTNESS AND HOLLOW SOUND CONTINUES ANOTHER 1' BEYOND THE DECAY. A PRIORITY MAINTENANCE IS REQUESTED.	3	2	2 Feet

**General Comments****End Bent 2****Cap 2****Timber Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
220	Reinforced Concrete Pile Cap/Footing	39	35	0	0	4 Feet

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

4 Feet of Scour: 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. UPSTREAM END OF END BENT 2 CONCRETE FOOTING IS UNDERMINED 4' LONG X 3" HIGH X FULL WIDTH. A PRIORITY MAINTENANCE IS BEING ISSUED FOR THIS SCOUR.

## Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Timber Deck	Timber Deck	280
Span 1	Beam 1	Timber Joist	Timber Open Girder/Beam	15
Span 1	Beam 2	Timber Joist	Timber Open Girder/Beam	15
Span 1	Beam 3	Timber Joist	Timber Open Girder/Beam	15
Span 1	Beam 4	Timber Joist	Timber Open Girder/Beam	15
Span 1	Beam 5	Timber Joist	Timber Open Girder/Beam	15
Span 1	Beam 6	Timber Joist	Timber Open Girder/Beam	15
Span 1	Beam 7	Timber Joist	Timber Open Girder/Beam	15
Span 1	Beam 8	Timber Joist	Timber Open Girder/Beam	15
Span 1	Beam 9	Timber Joist	Timber Open Girder/Beam	15
Span 1	Left Bridge Rail	Timber Rail	Reinforced Concrete Bridge Railing	16
Span 1	Left Bridge Rail	Timber Rail	Timber Bridge Railing	16
Span 1	Right Bridge Rail	Timber Rail	Reinforced Concrete Bridge Railing	16
Span 1	Right Bridge Rail	Timber Rail	Timber Bridge Railing	16
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	265
Span 2	Deck	Timber Deck	Timber Deck	281
Span 2	Beam 1	Timber Joist	Timber Open Girder/Beam	16
Span 2	Beam 2	Timber Joist	Timber Open Girder/Beam	16
Span 2	Beam 3	Timber Joist	Timber Open Girder/Beam	16
Span 2	Beam 4	Timber Joist	Timber Open Girder/Beam	16
Span 2	Beam 5	Timber Joist	Timber Open Girder/Beam	16
Span 2	Beam 6	Timber Joist	Timber Open Girder/Beam	16
Span 2	Beam 7	Timber Joist	Timber Open Girder/Beam	16
Span 2	Beam 8	Timber Joist	Timber Open Girder/Beam	16
Span 2	Beam 9	Timber Joist	Timber Open Girder/Beam	16
Span 2	Beam 10	Timber Joist	Timber Open Girder/Beam	16
Span 2	Left Bridge Rail	Timber Rail	Timber Bridge Railing	17
Span 2	Right Bridge Rail	Timber Rail	Timber Bridge Railing	17
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	282
Bent 1	Cap 1	Timber Pier Cap	Timber Pier Cap	20
Bent 1	Pile 1	Timber Pile	Timber Pile	1
Bent 1	Pile 2	Timber Pile	Timber Pile	1
Bent 1	Pile 3	Timber Pile	Timber Pile	1
Bent 1	Pile 4	Timber Pile	Timber Pile	1
End Bent 1	Cap 1	Timber Pier Cap	Timber Pier Cap	20
End Bent 1	Pile 1	Timber Pile	Timber Pile	1
End Bent 1	Pile 2	Timber Pile	Timber Pile	1
End Bent 1	Pile 3	Timber Pile	Timber Pile	1
End Bent 1	Pile 4	Timber Pile	Timber Pile	1
End Bent 1	Abutment	Timber Abutment	Timber Abutment	28
End Bent 2	Cap 1	Timber Pier Cap	Timber Pier Cap	20
End Bent 2	Pile 1	Timber Pile	Timber Pile	1
End Bent 2	Pile 2	Timber Pile	Timber Pile	1
End Bent 2	Pile 3	Timber Pile	Timber Pile	1
End Bent 2	Pile 4	Timber Pile	Timber Pile	1



Elements Verified

Location	Name	Component	Element Name	Amount
End Bent 2	Abutment	Timber Abutment	Timber Abutment	28

## General Inspection Notes

Span 2

Beam 2

THIS IS A SUPPLEMENT JOIST ADDED DUE TO DECAY IN JOIST 1. THIS IS A TEMPORARY REPAIR DUE TO A PRIORITY MAINTENANCE.

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# National Bridge and NC Inspection Items

Structure Number: 600156

Inspection Date: 10/16/2017

## National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	7
Item 59: Superstructure	0 - 9 , N	5
Item 60: Substructure	0 - 9 , N	5
Item 61: Channel and Channel Protection	0 - 9 , N	7
Item 62: Culvert	0 - 9 , N	N
Item 71: Waterway Adequacy	0 - 9 , N	7
Item 72: Approach Roadway Alignment	0 - 9 , N	3

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		0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation		L		
Drift	G, F, P, or C	F	12	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	8		
Superstructure Paint Code				

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	Y
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:** 600156

**Inspection Date:** 10/16/2017

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<b>Item</b>	Regulatory Sign Notice Issued	<b>Grade</b>	Y	<b>Maint Code</b>		<b>Qty.</b>	0
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**Details** ONE LANE BRIDGE SIGN MISSING

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<b>Item</b>	Priority Maintenance Issued	<b>Grade</b>	Y	<b>Maint Code</b>		<b>Qty.</b>	0
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**Details** INTERIOR BENT CAP, ONE LANE BRIDGE SIGN, LEFT RAIL, RIGHT RAIL, JOIST, END BENT 1 SILL

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<b>Item</b>	Presently Posted	<b>Grade</b>	Y	<b>Maint Code</b>		<b>Qty.</b>	0
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**Details** SV-12, TTST-21

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<b>Item</b>	Drift	<b>Grade</b>	F	<b>Maint Code</b>	3366	<b>Qty.</b>	12
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**Details** 6' WIDE X 10' LONG X 3' DEEP DRIFT LODGED AGAINST POST 1 OF THE INTERIOR BENT.



Span 1 Left Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES, AND DECAY AT THE ANCHOR BOLTS UP TO 1/2" DEEP. A PRIORITY MAINTENANCE IS REQUESTED.



Span 1 Left Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES, AND DECAY AT THE ANCHOR BOLTS UP TO 1/2" DEEP. A PRIORITY MAINTENANCE IS REQUESTED.





Span 2 Left Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES, AND DECAY AT THE ANCHOR BOLTS UP TO 1/2" DEEP. A PRIORITY MAINTENANCE IS REQUESTED.



Span 2 Left Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES, AND DECAY AT THE ANCHOR BOLTS UP TO 1/2" DEEP. NEW POST AT THE FAR END OF THE RAIL WAS ATTACHED TO DECAYED JOIST 1, AND IS LOOSE AT THE TOP. A PRIORITY MAINTENANCE IS REQUESTED.





Span 2 Left Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES, AND DECAY AT THE ANCHOR BOLTS UP TO 1/2" DEEP. NEW POST AT THE FAR END OF THE RAIL WAS ATTACHED TO DECAYED JOIST 1, AND IS LOOSE AT THE TOP. A PRIORITY MAINTENANCE IS REQUESTED.



Span 1 Right Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES. A PRIORITY MAINTENANCE IS REQUESTED.





Span 2 Right Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES. A PRIORITY MAINTENANCE IS REQUESTED.



Span 1 Right Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. POST BLOCK 1 HAS DECAY WITH MINIMAL SECTION REMAINING IN PLACE. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES. A PRIORITY MAINTENANCE IS REQUESTED.



Span 2 Right Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. ALL POST BLOCKS ARE DECAYED WITH ONLY MINIMAL SOUND TIMBER REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES. A PRIORITY MAINTENANCE IS REQUESTED.





Span 1 Wearing Surface: 1' DIAMETER PATCHED POTHOLE THAT IS BEGINNING TO CRACK AND BREAK OUT AT THE RIGHT EDGE OF ROADWAY AT THE SOUTH APPROACH.



Span 1 Wearing Surface: 3' DIAMETER AREA OF MAP CRACKING AT THE SOUTH APPROACH 6' OUT FROM THE LEFT RAIL.



End Bent 1 Abutment/Backwall : TIMBERS ARE SOFT WITH MULTIPLE AREAS OF DECAY UP TO 1/2" DEEP.  
DECAY UP TO 3/4" DEEP ON THE LEFT END OF THE ABUTMENT.





END BENT 1 SILL: FULL LENGTH OF THE SILL IS HOLLOW SOUNDING ALONG THE TOP FACE, WITH DECAY UP TO 1/2" DEEP AT THE RIGHT END OF THE SILL. POSTS 1 AND 2 ARE CRUSHING INTO THE SILL UP TO 1/2" DEEP. A PRIORITY MAINTENANCE IS REQUESTED.





END BENT 1 SILL: FULL LENGTH OF THE SILL IS HOLLOW SOUNDING ALONG THE TOP FACE, WITH DECAY UP TO 1/2" DEEP AT THE RIGHT END OF THE SILL. POSTS 1 AND 2 ARE CRUSHING INTO THE SILL UP TO 1/2" DEEP. A PRIORITY MAINTENANCE IS REQUESTED.



END BENT 1 SILL: FULL LENGTH OF THE SILL IS HOLLOW SOUNDING ALONG THE TOP FACE, WITH DECAY UP TO 1/2" DEEP AT THE RIGHT END OF THE SILL. POSTS 1 AND 2 ARE CRUSHING INTO THE SILL UP TO 1/2" DEEP. A PRIORITY MAINTENANCE IS REQUESTED.





6' WIDE X 10' LONG X 3' DEEP DRIFT LODGED AGAINST POST 1 OF THE INTERIOR BENT.



Span 2 Beam 1: DELAMINATION / DECAY 8' LONG AT 6" UP FROM THE BOTTOM OF THE JOIST WITH THE UPPER PORTION BULGING OUT UP TO 0.375" BEGINNING AT THE FAR END. THE JOIST IS HOLLOW SOUNDING NEAR MID HEIGHT THE FULL LENGTH. 1' LONG X 4" HIGH X 4" DEEP DECAY AT THE BEARING ON END BENT 2. A SUPPLEMENT JOIST HAS BEEN PLACED 13" TO THE RIGHT OF THIS JOIST HOWEVER THE LEFT RAIL IS ATTACHED TO THIS JOIST. A PRIORITY MAINTENANCE IS REQUESTED.





Span 2 Beam 1: DELAMINATION / DECAY 8' LONG AT 6" UP FROM THE BOTTOM OF THE JOIST WITH THE UPPER PORTION BULGING OUT UP TO 0.375" BEGINNING AT THE FAR END. THE JOIST IS HOLLOW SOUNDING NEAR MID HEIGHT THE FULL LENGTH. 1' LONG X 4" HIGH X 4" DEEP DECAY AT THE BEARING ON END BENT 2. A SUPPLEMENT JOIST HAS BEEN PLACED 13" TO THE RIGHT OF THIS JOIST HOWEVER THE LEFT RAIL IS ATTACHED TO THIS JOIST. A PRIORITY MAINTENANCE IS REQUESTED.



Bent 1 Cap 1: 1' LONG X UP TO 4" DEEP DECAY IN THE LEFT END OF THE CAP, EXTENDING UNDERNEATH BEARING OF JOIST 1 IN BOTH SPANS. SOFTNESS AND HOLLOW SOUND CONTINUES ANOTHER 1' BEYOND THE DECAY. A PRIORITY MAINTENANCE IS REQUESTED.





SOUTH APPROACH ONE LANE BRIDGE SIGN AT 200' FROM THE BRIDGE. NORTH APPROACH SIGN IS MISSING.



SOUTH APPROACH LOOKING NORTH





WEIGHT LIMIT SIGN



LOOKING DOWNSTREAM





LOOKING UPSTREAM



NORTH APPROACH LOOKING SOUTH





DOWNSTREAM PROFILE



END BENT 2





END BENT 1



BENT 1





DECK UNDERSIDE



UPSTREAM PROFILE

# Stream Bed Soundings

(Profile diagram on following sheet)

County **MITCHELL**

Structure Number: **600156**

Inspection Date **10/16/2017**

Sounding recorded from: **Top of Bridge Rail**

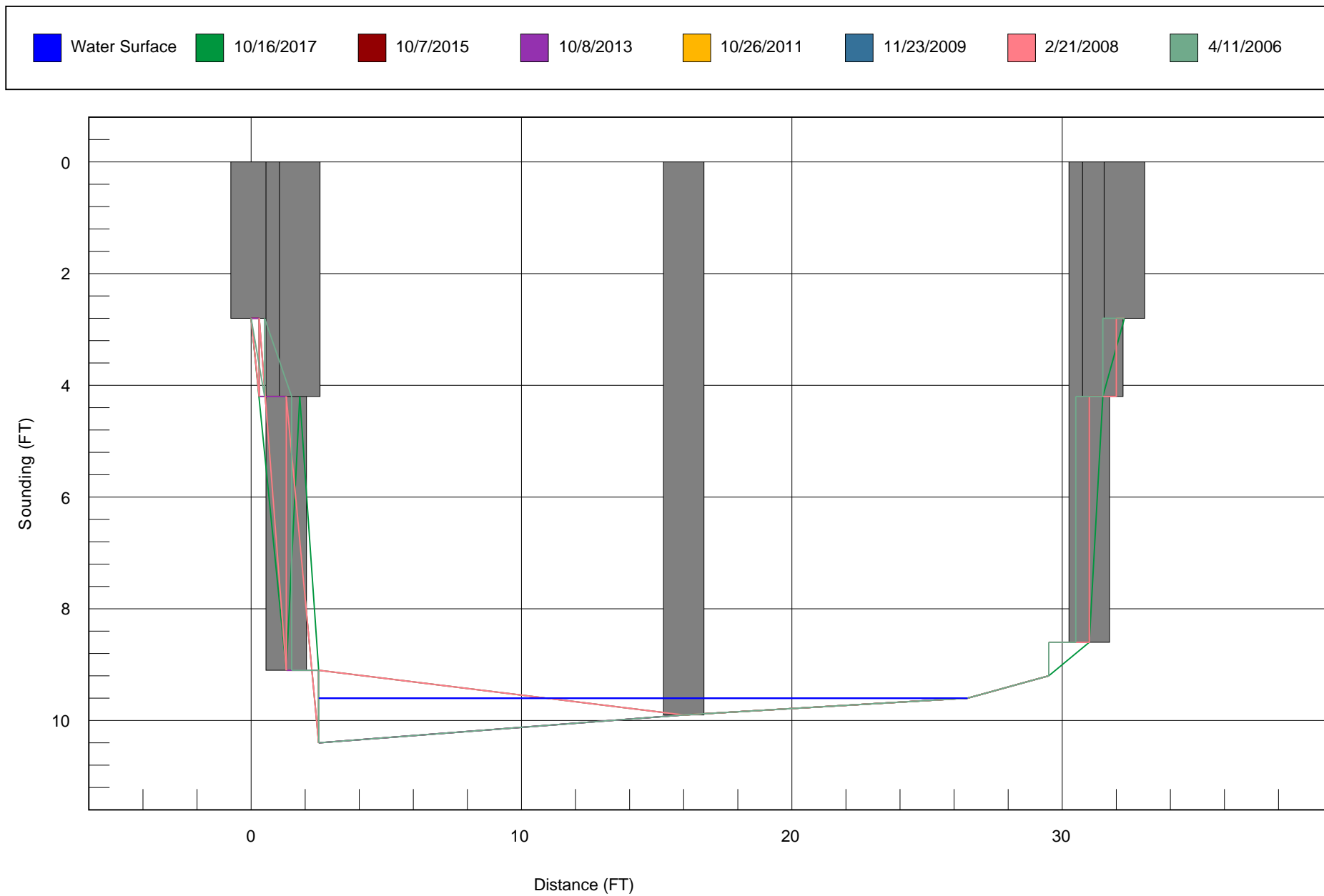
Highwater Mark Distance

Location of Highwater Mark

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.800	0.000	FF END BENT 1
1.300	9.100	8.700	SF END BENT 1
1.800	4.200	0.000	TOP OF CAP END BENT 1
2.500	9.100	0.000	
2.501	9.600	0.000	WSWE
2.502	10.400	0.000	
16.000	9.900	8.700	BENT 1
26.500	9.600	0.000	WSWE
29.500	9.200	0.000	
31.000	8.600	8.600	SF END BENT 2
31.500	4.200	0.000	TOP OF CAP END BENT 2
32.300	2.800	0.000	FF END BENT 2

### STREAMBED PROFILE (Downstream)

Top of Rail = 0FT (Sounding)



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

Run Date: 02/09/2018

IDENTIFICATION					
(1) STATE NAME -NORTH CAROLINA	BRIDGE	600156	SUFFICIENCY RATING =	27.36	
(8) STRUCTURE NUMBER(FEDERAL)	000000001210156		STATUS =	Functionally Obsolete	
(5) INVENTORY ROUTE (ON/UNDER) - ON	31013250				
(2) STATE HIGHWAY DEPARTMENT DISTRICT	1		CLASSIFICATION		CODE
(3) COUNTY CODE 121 (4) PLACE CODE	0		(112)NBIS BRIDGE SYSTEM -	YES	
(6) FEATURE INTERSECTED - BEANS CREEK			(104)HIGHWAY SYSTEM Is not on NHS	0	
(7) FACILITY CARRIED SR1325			(26) FUNCTIONAL CLASS - Local	09	
(9) LOCATION .6 MI.N.JCT.SR1328			(100)STRAHNET HIGHWAY - Not a STRAHNET Route	0	
(11)MILEPOINT	0		(101)PARALLEL STRUCTURE - No Parallel Structure	N	
(16)LAT 36° 4' 49.09" (17)LONG 82° 13' 31.15"			(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	
			(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: Wood or Timber					
TYPE - Stringer Mutlibeam or Girder	CODE	702			
(44) STRUCTURE TYPE APPR :					
TYPE -	CODE	000	CONDITION		CODE
(45) NUMBER OF SPANS IN MAIN UNIT		2	(58) DECK	7	
(46) NUMBER OF APPROACH SPANS			(59) SUPERSTRUCTURE	5	
(107)DECK STRUCTURE TYPE - 8	CODE		(60) SUBSTRUCTURE	5	
(108)WEARING SURFACE / PROTECTIVE SYSTEM :			(61) CHANNEL & CHANNEL PROTECTION	7	
(A) TYPE OF WEARING SURFACE -	CODE		(62) CULVERTS	N	
(B) TYPE OF MEMBRANE -	CODE				
(C) TYPE OF DECK PROTECTION -	CODE		LOAD RATING AND POSTING		CODE
			(31) DESIGN LOAD Unknown	0	
			(63) OPERATING RATING METHOD - Allowable Stress	2	
			(64) OPERATING RATING - HS-13	23	
			(65) INVENTORY RATING METHOD - Allowable Stress	2	
			(66) INVENTORY RATING - HS-9	16	
			(70) BRIDGE POSTING - Posting Required	0	
			(41) STRUCTURE OPEN, POSTED ,OR CLOSED	P	
			DESCRIPTION - Posted for Load		
AGE AND SERVICE			APPRAISAL		
(27) YEAR BUILT		1958	(67) STRUCTURAL EVALUATION	4	
(106)YEAR RECONSTRUCTED			(68) DECK GEOMETRY	2	
(42) TYPE OF SERVICE : ON - Highway			(69) UNDERCLEARANCES,VERTI & HORIZ	N	
UNDER - Waterway	CODE	15	(71) WATERWAY ADEQUACY	7	
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE		0	(72) APPROACH ROADWAY ALIGNMENT	3	
(29) AVERAGE DAILY TRAFFIC		510	(36) TRAFFIC SAFETY FEATURES	0000	
(30) YEAR OF ADT 2012 (109) TRUCK ADT PCT		6%	(113)SCOUR CRITICAL BRIDGES	U	
(19) BYPASS OR DETOUR LENGTH		99 MI			
GEOMETRIC DATA			PROPOSED IMPROVEMENTS		
(48) LENGTH OF MAXIMUM SPAN		16 FT	(75) TYPE OF WORK -	CODE	
(49) STRUCTURE LENGTH		32 FT	(76) LENGTH OF STRUCTURE IMPROVEMENT		
(50)CURB OR SIDEWALK: LEFT .3 FT RIGHT .3 FT			(94) BRIDGE IMPROVEMENT COST		
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		17.083 FT	(95) ROADWAY IMPROVEMENT COST		
(52) DECK WIDTH OUT TO OUT		18.083 FT	(96) TOTAL PROJECT COST		
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		18 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE		
(33) BRIDGE MEDIAN - No Median	CODE	0	(114)FUTURE ADT 1020 (115) YEAR FUTURE ADT 2025		
(34) SKEW 30° (35) STRUCTURE FLARED		0			
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT	INSPECTIONS		
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		17.083 FT	(90) INSPECTION DATE	10/16/2017	
(53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9 FT	(92) CRITICAL FEATURE INSPECTION :	(93) CFI DATE	
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad		0 FT	A) FRACTURE CRIT DETAIL - NO	A)	
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad		000 FT	B) UNDERWATER INSP - NO	B)	
(56) MIN LAT UNDERCLEAR LT REF -		000 FT	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

Run Date: 02/09/2018

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
MITCHELL	13	1	600156	32	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1325	BEANS CREEK

LOCATED :	BRIDGE NAME :	CITY :
.6 MI.N.JCT.SR1328		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	510 2012	LT 227 RT 227

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1958	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :		
	BMU	5.8851	TAN	120	ON 2	UNDER	0

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

SUPERSTRUCTURE :	TIMBER FLOOR ON TIMBER JOISTS
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SUBSTRUCTURE :	E.BTS&INT.BT:TIM.CAPS/TIM.POST&SILLS/CONCRETE FOOTINGS
----------------	--

SPANS :	1 @ 15'-5.75;1 @ 16'-5.75
---------	---------------------------

BEAMS OR GIRDERS :	9 LINES 6X12 TIMBER JOISTS @ 2' CENTERS
--------------------	---

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
3X4 TIM/2 AWS		18.083 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
17.083 FT	17.75 FT	LT .3 FT RT .3 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-9	HS-13	Ext Joist	SV 12	21	02/25/2014

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

UNDER ROUTES AND CLEARANCES

REMARKS :








# **BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS**

Bridge: 600156

County MITCHELL

Date: 10/16/2017

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3250	Install or Replace Ground Mounted Signs	SF	6	NORTH APPROACH ONE LANE BRIDGE SIGN IS MISSING. A SIGN NOTICE HAS BEEN ISSUED AND A PRIORITY MAINTENANCE IS REQUESTED.	
 3304	Maintain/Replace Timber Superstructure Components	LF	16	Span 2 Beam 1: DELAMINATION / DECAY 8' LONG AT 6" UP FROM THE BOTTOM OF THE JOIST WITH THE UPPER PORTION BULGING OUT UP TO 0.375" BEGINNING AT THE FAR END. THE JOIST IS HOLLOW SOUNDING NEAR MID HEIGHT THE FULL LENGTH. 1' LONG X 4" HIGH X 4" DEEP DECAY AT THE BEARING ON END BENT 2. A SUPPLEMENT JOIST HAS BEEN PLACED 13" TO THE RIGHT OF THIS JOIST HOWEVER THE LEFT RAIL IS ATTACHED TO THIS JOIST. A PRIORITY MAINTENANCE IS REQUESTED.	
 3316	Maint to Timber Handrail	LF	16	Span 1 Right Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. POST BLOCK 1 HAS DECAY WITH MINIMAL SECTION REMAINING IN PLACE. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES. A PRIORITY MAINTENANCE IS REQUESTED.	
 3316	Maint to Timber Handrail	LF	16	Span 1 Left Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES, AND DECAY AT THE ANCHOR BOLTS UP TO 1/2" DEEP. A PRIORITY MAINTENANCE IS REQUESTED.	
 3316	Maint to Timber Handrail	LF	17	Span 2 Right Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. ALL POST BLOCKS ARE DECAYED WITH ONLY MINIMAL SOUND TIMBER REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES. A PRIORITY MAINTENANCE IS REQUESTED.	

## Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined




# **BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS**

Bridge: 600156

County MITCHELL

Date: 10/16/2017

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3316	Maint to Timber Handrail	LF	17	Span 2 Left Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES, AND DECAY AT THE ANCHOR BOLTS UP TO 1/2" DEEP. NEW POST AT THE FAR END OF THE RAIL WAS ATTACHED TO DECAYED JOIST 1, AND IS LOOSE AT THE TOP. A PRIORITY MAINTENANCE IS REQUESTED.	
 3344	Repair / Replace Timber Substructure Components	LF	2	Bent 1 Cap 1: 1' LONG X UP TO 4" DEEP DECAY IN THE LEFT END OF THE CAP, EXTENDING UNDERNEATH BEARING OF JOIST 1 IN BOTH SPANS. SOFTNESS AND HOLLOW SOUND CONTINUES ANOTHER 1' BEYOND THE DECAY. A PRIORITY MAINTENANCE IS REQUESTED.	
 3344	Repair / Replace Timber Substructure Components	LF	20	END BENT 1 SILL: FULL LENGTH OF THE SILL IS HOLLOW SOUNDING ALONG THE TOP FACE, WITH DECAY UP TO 1/2" DEEP AT THE RIGHT END OF THE SILL. POSTS 1 AND 2 ARE CRUSHING INTO THE SILL UP TO 1/2" DEEP. A PRIORITY MAINTENANCE IS REQUESTED.	

## Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

## **BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS**

Bridge: 600156

County MITCHELL

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

MMS Code	MMS Description	Quantity
3250	Install or Replace Ground Mounted Signs	6 SF
Location:		
Slope	Bent/Span No. 2	ONE LANE BRIDGE SIGN
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
01/01/1900	JOSEPH HUNTSINGER	DENNIS WILSON
Details		
NORTH APPROACH ONE LANE BRIDGE SIGN IS MISSING. A SIGN NOTICE HAS BEEN ISSUED AND A PRIORITY MAINTENANCE IS REQUESTED.		

MMS Code	MMS Description	Quantity
3304	Maintain/Replace Timber Superstructure Components	16 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/16/2017	JOSEPH HUNTSINGER	
Details		
Span 2 Beam 1: DELAMINATION / DECAY 8' LONG AT 6" UP FROM THE BOTTOM OF THE JOIST WITH THE UPPER PORION BULGING OUT UP TO 0.375" BEGINNING AT THE FAR END. THE JOIST IS HOLLOW SOUNDING NEAR MID HEIGHT THE FULL LENGTH. 1' LONG X 4" HIGH X 4" DEEP DECAY AT THE BEARING ON END BENT 2. A SUPPLEMENT JOIST HAS BEEN PLACED 13" TO THE RIGHT OF THIS JOIST HOWEVER THE LEFT RAIL IS ATTACHED TO THIS JOIST. A PRIORITY MAINTENANCE IS REQUESTED.		

## **BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS**

Bridge: 600156

County MITCHELL

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

MMS Code	MMS Description	Quantity
3316	Maint to Timber Handrail	16 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/16/2017	JOSEPH HUNTSINGER	
Details		
Span 1 Right Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. POST BLOCK 1 HAS DECAY WITH MINIMAL SECTION REMAINING IN PLACE. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES. A PRIORITY MAINTENANCE IS REQUESTED.		

MMS Code	MMS Description	Quantity
3316	Maint to Timber Handrail	16 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/16/2017	JOSEPH HUNTSINGER	
Details		
Span 1 Left Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES, AND DECAY AT THE ANCHOR BOLTS UP TO 1/2" DEEP. A PRIORITY MAINTENANCE IS REQUESTED.		



## **BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS**

Bridge: 600156

County MITCHELL

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

MMS Code	MMS Description	Quantity
3316	Maint to Timber Handrail	17 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/16/2017	JOSEPH HUNTSINGER	
Details		
Span 2 Right Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. ALL POST BLOCKS ARE DECAYED WITH ONLY MINIMAL SOUND TIMBER REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES. A PRIORITY MAINTENANCE IS REQUESTED.		

MMS Code	MMS Description	Quantity
3316	Maint to Timber Handrail	17 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/16/2017	JOSEPH HUNTSINGER	
Details		
Span 2 Left Bridge Rail: FULL LENGTH OF THE WHEEL GUARD IS DECAYED UP TO 4" DEEP WITH MINIMAL SECTION REMAINING. TIMBER POSTS ARE WEATHERED WITH MULTIPLE CHECKS AND SHAKES, AND DECAY AT THE ANCHOR BOLTS UP TO 1/2" DEEP. NEW POST AT THE FAR END OF THE RAIL WAS ATTACHED TO DECAYED JOIST 1, AND IS LOOSE AT THE TOP. A PRIORITY MAINTENANCE IS REQUESTED.		

## **BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS**

Bridge: 600156

County MITCHELL

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	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/16/2017	JOSEPH HUNTSINGER	
Details		
Bent 1 Cap 1: 1' LONG X UP TO 4" DEEP DECAY IN THE LEFT END OF THE CAP, EXTENDING UNDERNEATH BEARING OF JOIST 1 IN BOTH SPANS. SOFTNESS AND HOLLOW SOUND CONTINUES ANOTHER 1' BEYOND THE DECAY. A PRIORITY MAINTENANCE IS REQUESTED.		

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	20 LF
Location:		
Abutment Footing	Bent/Span No. 1	TIMBER SILL
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/16/2017	JOSEPH HUNTSINGER	DENNIS WILSON
Details		
END BENT 1 SILL: FULL LENGTH OF THE SILL IS HOLLOW SOUNDING ALONG THE TOP FACE, WITH DECAY UP TO 1/2" DEEP AT THE RIGHT END OF THE SILL. POSTS 1 AND 2 ARE CRUSHING INTO THE SILL UP TO 1/2" DEEP. A PRIORITY MAINTENANCE IS REQUESTED.		



END BENT 1 SILL: FULL LENGTH OF THE SILL IS HOLLOW SOUNDING ALONG THE TOP FACE, WITH DECAY UP TO 1/2" DEEP AT THE RIGHT END OF THE SILL. POSTS 1 AND 2





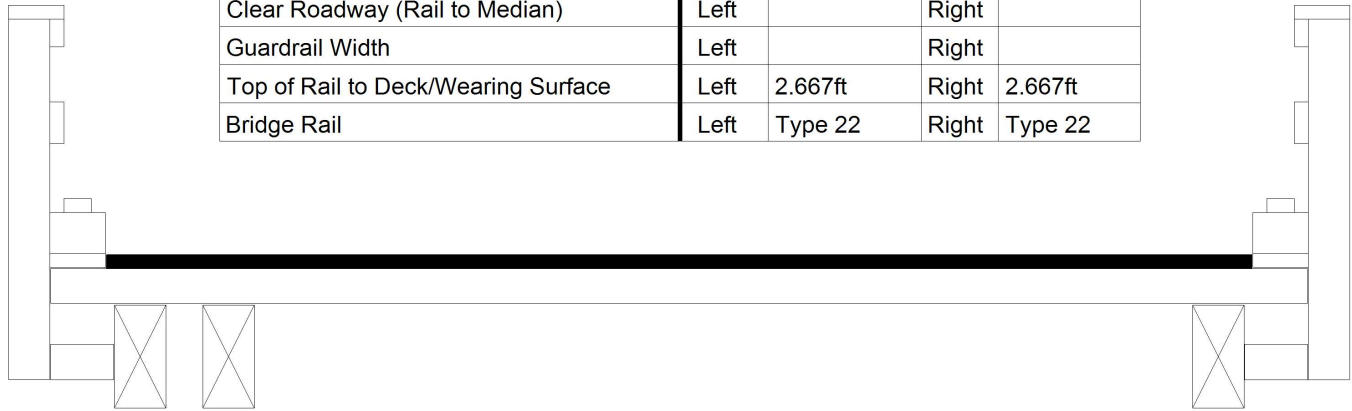
END BENT 1 SILL: FULL LENGTH OF THE SILL IS HOLLOW SOUNDING ALONG THE TOP FACE, WITH DECAY UP TO 1/2" DEEP AT THE RIGHT END OF THE SILL. POSTS 1 AND 2



END BENT 1 SILL: FULL LENGTH OF THE SILL IS HOLLOW SOUNDING ALONG THE TOP FACE, WITH DECAY UP TO 1/2" DEEP AT THE RIGHT END OF THE SILL. POSTS 1 AND 2

# Bridge Inspection Field Sketch

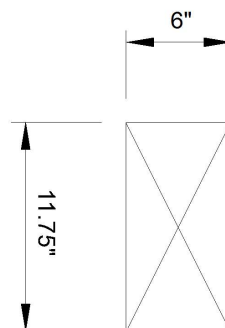
Deck Width/Out to Out	18.083ft	Between Rails				17.750ft
Clear Roadway	17.083ft	Wearing Surface				0.167ft
Median Width		Median Height				
Curb Height		Left	0.708ft	Right	0.708ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left		Right		
Top of Rail to Deck/Wearing Surface		Left	2.667ft	Right	2.667ft	
Bridge Rail		Left	Type 22	Right	Type 22	



SPAN 2, SUPPLEMENT JOIST PLACED 13" FROM JOIST 1

Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	0.917
Top of Rail to Bottom of Beam	4.250	Right Overhang	0.917

Beam Number	Beam Type	Spacing
1 thru 9	Timber (Rectangular)	2.0ft



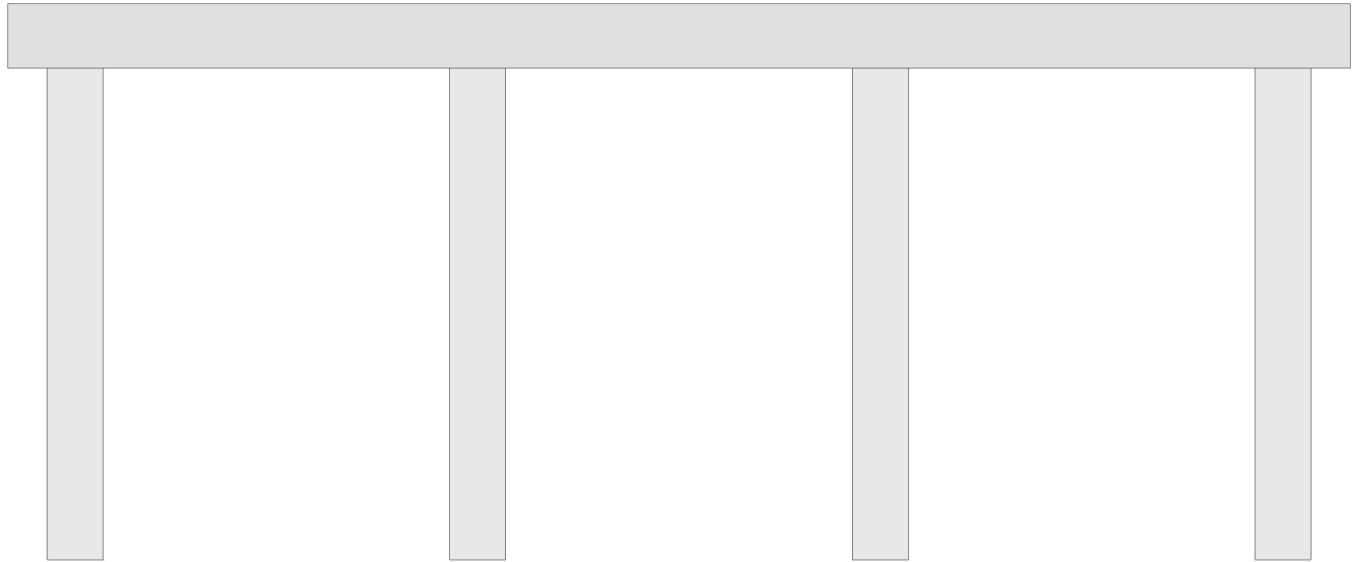
JOIST DIMENSIONS

10/16/17 - J.C.HUNTSINGER

Title		Description	
Typical Section		Data Worksheet	
Bridge No: 600156	Drawn By: Roy W. Shook	Date: 02/21/2008	File Name: S0106001060



# Bridge Inspection Field Sketch



Sills Partially Encased

Cap Information			Material Timber			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
20.000 ft. (22.000 ft. Abut. 2)	.833 ft.	.958 ft.	1.000 ft. (1.667 ft. Abut. 2)	1.000 ft. (2.250 ft. Abut. 2)	.618 ft. (1.618 ft. Abut. 2)	.618 ft. (1.618 ft. Abut. 2)

Pile #	Material		Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	Spacing	0.833 ft.	0.833 ft.	3.250 ft.	Vertical	No	No	No	No
2	Timber	6.000 ft.	0.833 ft.	0.833 ft.	3.250 ft.	Vertical	No	No	No	No
3	Timber	6.000 ft.	0.833 ft.	0.833 ft.	3.250 ft.	Vertical	No	No	No	No
4		6.000 ft.	0.833 ft.	0.833 ft.	3.250 ft.	Vertical	No	No	No	No

Bent/Abutment #: 1	Similar Bents: Abutment 2 & Bent
--------------------	----------------------------------

10/16/17 - J.C.HUNTSINGER

Title			Description		
Substructure			Data Worksheet		
Bridge No:	600156	Drawn By:	Roy W. Shook	Date:	02/21/2008
			File Name:	S0106001061	

# Bridge Inspection Field Sketch



75' SOUTH OF THE BRIDGE

Roadway	16.667ft Wide	2 Paved Lanes	Looking North
Left Shoulder	1ft Wide	0.5ft Paved	0.5ft Unpaved
Right Shoulder	1ft Wide	0.5ft Paved	0.5ft Unpaved
Left Guardrail			
Right Guardrail			

REDRAWN 10/16/17 - J.C.HUNTSINGER

## Title

Approach Roadway

## Description

Data Worksheet

Bridge No: 600156

Drawn By: D.D.H.

Date: 02/21/2008

File Name: S0106001059