



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: **PRIORITY MAINTENANCE ISSUED FOR CORROSION TO BEAMS.**

Structure Safety Report

2 Year Complete Topside and Underwater Element Inspection

INSPECTION DATE: 03/27/2018

DIVISION: 11 COUNTY: ALLEGHANY STRUCTURE NUMBER: 020133 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1433 MILE POST: _____

LOCATION: 15 FT.N.JCT.SR1434

FEATURE INTERSECTED: LITTLE RIVER

LATITUDE: 36° 31' 22.75" LONGITUDE: 81° 2' 16.9"

SUPERSTRUCTURE: TIMBER FLOOR ON I-BEAMS (LOW WATER TYPE)

SUBSTRUCTURE: ABUTS & PIER: STEEL CAPS/REINFORCED CONCRETE

SPANS: 2 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

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

GRADES: DECK 6 SUPERSTRUCTURE 4 SUBSTRUCTURE 6 CULVERT N

POSTED SV: 12 POSTED TTST: 16

OTHER SIGNS PRESENT: 3 DELINEATORS



Sign noticed issued for		Number Required
<u>NO</u>	WEIGHT LIMIT	<u>0</u>
<u>YES</u>	DELINEATORS	<u>1</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>

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS _____

LOOKING NORTH AT APPROACH

INSPECTED BY JOHN HOUSTON	SIGNATURE 	ASSISTED BY KSH; MEC
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Structure Element Scoring

Structure Number: 020133

Inspection Date 3/27/2018

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	1098	0	1098	0	0
107	0	Steel Open Girder/Beam	Beam	496	0	218	195	83
515	107	Steel Protective Coating	Beam	1960	1540	0	0	420
215	0	Reinforced Concrete Abutment	Abutments	50	0	50	0	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	20	0	20	0	0
231	0	Steel Pier Cap	Caps	60	0	60	0	0
515	231	Steel Protective Coating	Caps	390	330	0	0	60
332	0	Timber Bridge Railing	Bridge Rail	124	0	120	4	0
510	0	Wearing Surface	Wearing Surfaces	972	0	972	0	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 020133

Inspection Date: 03/27/2018

MMS Code	Element Name	Defect Name	Recommended Quantity
3314	Steel Open Girder/Beam	Corrosion	278 Feet
3316	Timber Bridge Railing	Damage	4 Feet
2816	Wearing Surface	Crack (Wearing Surface)	24 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	420 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	60 Square Feet

Element Structure Maintenance Quantities

Structure Number: 020133

Inspection Date 03/27/2018

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	0	50	0	0	50	0
Beam	3314	Maintenance Steel Superstructure Components	278	496	83	195	218	0
Beam	3342	Clean and Paint Steel	420	1960	420	0	0	1540
Bridge Rail	3316	Maintenance of Timber Bridge Rail	4	124	0	4	120	0
Caps	3342	Clean and Paint Steel	60	390	60	0	0	330
Caps	3354	Maintenance of Steel Substructure Components	0	60	0	0	60	0
Deck	3324	Maintenance of Timber Deck Components	0	1098	0	0	1098	0
Footing	3348	Maintenance of Concrete Substructure	0	20	0	0	20	0
Wearing Surfaces	2816	Asphalt Surface Repair	24	972	0	0	972	0

Element Condition and Maintenance Data

Structure Number: 020133

Inspection Date: 03/27/2018

Span 1 Deck

Timber Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
31	Timber Deck	549	0	549	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
31	Check/Shake	RANDOM CHECKS.	2	517		Square Feet
31	Decay/Section Loss	SOFT ON ENDS TO 1/4".	2	32		Square Feet

General Comments

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

Span 1 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	486	0	486	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	RANDOM CRACKS ALONG DECK BOARD JOINTS.	2	24	24	Square Feet
510	Effectiveness (Wearing Surface)	TRAFFIC WEAR.	2	462		Square Feet

General Comments

486 Square Feet of Effectiveness (Wearing Surface): Substantially effective. Deterioration of the protected element has slowed. TRAFFIC WEAR.

Span 1 Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	31	0	0	0	31	Feet
515	Steel Protective Coating	130	90	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	BOTTOM FLANGE FULL LENGTH SCALING RUST DOWN TO KNIFE EDGE WITH HOLES. TOP FLANGE FULL LENGTH SCALING RUST WITH 1/8" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS WITH HOLES AT ABUTMENT 1 END AND BENT 1 END.	4	31	31	Feet
515	Effectiveness (Steel Protective Coatings)	FAILED WHERE RUST IS PRESENT.	4	40	40	Square Feet

General Comments

Span 1

Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	31	0	0	14	17	Feet
515	Steel Protective Coating	130	95	0	0	35	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FROM ABUTMENT 1 OUT 17' BOTTOM FLANGE SCALING RUST WITH 1/8" TO 3/16" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/16" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.	4	17	17	Feet
107	Corrosion	BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. WEB SCATTERED SURFACE RUST WITH RANDOM PITTING TO 1/16".	3	14	14	Feet
515	Effectiveness (Steel Protective Coatings)	FAILED WHERE RUST IS PRESENT.	4	35	35	Square Feet
General Comments						

Span 1

Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	31	0	22	5	4	Feet
515	Steel Protective Coating	130	100	0	0	30	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	10' FROM ABUTMENT 1 END BOTTOM FLANGE SCALING RUST WITH 1/16" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/16" TO 1/8" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.	4	4	4	Feet
107	Corrosion	AT ABUTMENT 1 END 3' IN LENGTH TOP AND BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. WEB SCALING RUST WITH PITTING TO 1/16".	3	3	3	Feet
107	Corrosion	AT BENT 1 END BOTTOM FLANGE SCALING RUST WITH 3/16" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 3/16" TO 1/4" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.	3	2	2	Feet
107	Corrosion	SURFACE RUST ONLY WITH NO MEASURABLE LOSS	2	22		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED WHERE RUST IS PRESENT.	4	30	30	Square Feet
General Comments						

Span 1

Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	31	0	0	31	0	Feet
515	Steel Protective Coating	130	100	0	0	30	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FULL LENGTH OF BEAM TOP FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. BOTTOM FLANGE AND WEB HAVE SURFACE RUST WITH NO MEASUREABLE LOSS.	3	31	31	Feet
515	Effectiveness (Steel Protective Coatings)	FAILED WHERE RUST IS PRESENT.	4	30	30	Square Feet

Span 1	Beam 5
Plate Girder	

General Comments

Span 1	Beam 6
Plate Girder	

General Comments

Span 1	Beam 7
Plate Girder	

General Comments

Span 1		Right Bridge Rail				
Timber Rail						
Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
332	Timber Bridge Railing	31	0	31	0	0 Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
332	Check/Shake	RANDOM CHECKS AND TIRE SCRAPES.	2	31		Feet
General Comments						

Span 2		Deck					
Timber Deck							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
31	Timber Deck		549	0	549	0	0
							Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty
31	Check/Shake	RANDOM CHECKS.			2	519	
							Square Feet
31	Decay/Section Loss	SOFT ON ENDS TO 1/4".			2	30	
							Square Feet
General Comments							

Span 2 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	486	0	486	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
510	Effectiveness (Wearing Surface)	TRAFFIC WEAR.	2	486			Square Feet
General Comments							

Span 2 Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	31	0	0	0	31	Feet
515	Steel Protective Coating	115	85	0	0	30	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	FULL LENGTH OF BEAM TOP AND BOTTOM FLANGES SCALING RUST DOWN TO KNIFE EDGE. WEB SCALING RUST WITH SECTION LOSS.	4	31	31		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED WHERE RUST IS PRESENT.	4	30	30		Square Feet
General Comments							

Span 2 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	31	0	15	16	0	Feet
515	Steel Protective Coating	115	90	0	0	25	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	FROM ABUTMENT 2 OUT 16' TOP AND BOTTOM FLANGES SCALING RUST WITH 1/4" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.	3	16	16		Feet
107	Corrosion	FROM BENT 1 OUT 15' SURFACE RUST WITH NO MEASUREABLE LOSS.	2	15			Feet
515	Effectiveness (Steel Protective Coatings)	FAILED WHERE RUST IS PRESENT.	4	25	25		Square Feet
General Comments							

Span 2 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	31	0	0	31	0	Feet
515	Steel Protective Coating	115	90	0	0	25	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	FULL LENGTH OF BEAM TOP FLANGE SCALING RUST WITH 1/8" REMAINING STEEL. BOTTOM FLANGE SCALING	3	31	31		Feet

RUST WITH 1/4" REMAINING STEEL. WEB RANDOM AREAS
SCALING RUST WITH SECTION LOSS.

515	Effectiveness (Steel Protective Coatings)	FAILED WHERE RUST IS PRESENT.	4	25	25	Square Feet
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General Comments

Span 2

Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	31	0	31	0	0	Feet
515	Steel Protective Coating	115	95	0	0	20	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	RANDOM AREAS OF SURFACE RUST WITH NO MEASUREABLE LOSS.	2	31		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED WHERE RUST IS PRESENT.	4	20	20	Square Feet

General Comments

Span 2

Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	31	0	31	0	0	Feet
515	Steel Protective Coating	115	95	0	0	20	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE RUST ALONG TOP FLANGE WITH PITTING TO 1/16". BOTTOM FLANGE AND WEB RANDOM SURFACE RUST WITH NO MEASUREABLE LOSS.	2	31		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED WHERE RUST IS PRESENT.	4	20	20	Square Feet

General Comments

Span 2

Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	31	0	31	0	0	Feet
515	Steel Protective Coating	115	95	0	0	20	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	RANDOM AREAS OF SURFACE RUST WITH NO MEASUREABLE LOSS.	2	31		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED WHERE RUST IS PRESENT.	4	20	20	Square Feet

General Comments

Span 2		Beam 8					
Plate Girder							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam		31	0	31	0	0 Feet
515	Steel Protective Coating		115	95	0	0	20 Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty
107	Corrosion	RANDOM AREAS OF SURFACE RUST WITH NO MEASUREABLE LOSS.			2	31	Feet
515	Effectiveness (Steel Protective Coatings)	FAILED WHERE RUST IS PRESENT.			4	20	20 Square Feet
General Comments							

Span 2		Left Bridge Rail					
Timber Rail							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
332	Timber Bridge Railing		31	0	27	4	0 Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
332	Damage	OUTER WHEELGUARD BROKEN OFF AT NORTH END.	3	2	2	Feet	
332	Damage	OUTER WHEELGUARD BROKEN OFF MID SPAN.	3	2	2	Feet	
332	Check/Shake	RANDOM CHECKS AND TIRE SCRAPES.	2	27		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		31	0	31	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
332	Check/Shake	RANDOM CHECKS AND TIRE SCRAPES.	2	31	
	General Comments				

End Bent 1 Abutment**Reinforced Concrete Abutment**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	25	0	25	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Abrasion/Wear (PSC/RC)	1/4" TO 1/2" LOSS TO SURFACE CONCRETE BELOW WATERLINE.	2	22		Feet
215	Cracking (RC and Other)	RANDOM HAIRLINE TO 1/16" CRACKS.	2	3		Feet

General Comments

Bent 1 Abutment**Timber Abutment**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
220	Reinforced Concrete Pile Cap/Footing	20	0	20	0	0	Feet

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

20 Feet of Abrasion/Wear (PSC/RANDOM CRACK): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. UP TO A 1/2" LOSS TO SURFACE CONCRETE.

Bent 1 Cap**Timber Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
220	Reinforced Concrete Pile Cap/Footing	25	0	25	0	0	Feet

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

25 Feet of Abrasion/Wear (PSC/RANDOM CRACK): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. UP TO A 1/2" LOSS TO SURFACE CONCRETE.

Bent 1 Sub Cap**Timber Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinforced Concrete Column	1	0	1	0	0	Each

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

1 Each of Abrasion/Wear (PSC/RANDOM CRACK): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. UP TO A 1/2" LOSS TO SURFACE CONCRETE.

Reinforced Concrete Footing 1

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
220	Reinforced Concrete Pile Cap/Footing	20	0	20	0	0 Feet

General Comments

Cap 1

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
231	Steel Pier Cap	20	0	20	0	0	Feet
515	Steel Protective Coating	130	110	0	0	20	Square Feet

General Comments

Cap 1

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
231	Steel Pier Cap	20	0	20	0	0	Feet
515	Steel Protective Coating	130	110	0	0	20	Square Feet

General Comments

Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
215	Reinforced Concrete Abutment	25	0	25	0	0 Feet

General Comments

Bent 2 Abutment**Timber Abutment**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
220	Reinforced Concrete Pile Cap/Footing	25	0	25	0	0 Feet

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

25 Feet of Abrasion/Wear (PSC/RANDOM CRACK): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. UP TO A 1/2" LOSS TO SURFACE CONCRETE.

Bent 2 Cap 1**Timber Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	0	1	0 Each

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

1 Each of Abrasion/Wear (PSC/RANDOM CRACK): Coarse aggregate is loose or has popped out of the concrete matrix due to abrasion or wear. UP TO 5" DEEP LOSS TO SURFACE CONCRETE FROM WATER ABRASION AND FREEZE/THAW ACTION AT WATERLINE.

Bent 2 Cap 2**Timber Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	1	0	0 Each

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

1 Each of Abrasion/Wear (PSC/RANDOM CRACK): Abrasion or wearing has exposed coarse aggregate but the aggregate remains secure in the concrete. UP TO A 1/2" LOSS TO SURFACE CONCRETE.

Bent 2 Sub Cap**Timber Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
231	Steel Pier Cap	20	0	20	0	0 Feet

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

20 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. RANDOM AREAS OF SURFACE RUST ALONG FLANGE EDGES AND TO WEB WITH NO MEASUREABLE LOSS.

8 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

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

Bent 2**Reinforced Concrete Footing 1****Reinforced Concrete Footing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

20 Feet of Corrosion: Freckled Rust. Corrosion of the steel has initiated. RANDOM AREAS OF SURFACE RUST ALONG FLANGE EDGES AND TO WEB WITH NO MEASUREABLE LOSS.

7 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

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

End Bent 2**Cap 1****Steel Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
231	Steel Pier Cap	20	0	20	0	0 Feet
515	Steel Protective Coating	130	110	0	0	20 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
231	Corrosion	SURFACE RUST WITH NO MEASUREABLE LOSS TO FLANGE EDGES AND BOTTOM OF WEBS.	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED WHERE RUST IS PRESENT.	4	20	20	Square Feet

General Comments

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Timber Deck	Timber Deck	549
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	31
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	31
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	31
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	31
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	31
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	31
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	31
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	31
Span 1	Left Bridge Rail	Timber Rail	Timber Bridge Railing	31
Span 1	Right Bridge Rail	Timber Rail	Timber Bridge Railing	31
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	486
Span 2	Deck	Timber Deck	Timber Deck	549
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	31
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	31
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	31
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	31
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	31
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	31
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	31
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	31
Span 2	Left Bridge Rail	Timber Rail	Timber Bridge Railing	31
Span 2	Right Bridge Rail	Timber Rail	Timber Bridge Railing	31
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	486
Bent 1	Cap 1	Steel Pier Cap	Steel Pier Cap	20
Bent 1		Reinforced Concrete Footing	Reinforced Concrete Pile Cap/Footing	20
End Bent 1	Cap 1	Steel Pier Cap	Steel Pier Cap	20
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	25
End Bent 2	Cap 1	Steel Pier Cap	Steel Pier Cap	20
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	25

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 020133

Inspection Date: 03/27/2018

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	6
Item 59: Superstructure	0 - 9 , N	4
Item 60: Substructure	0 - 9 , N	6
Item 61: Channel and Channel Protection	0 - 9 , N	7
Item 62: Culvert	0 - 9 , N	N
Item 71: Waterway Adequacy	0 - 9 , N	4
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	F	1098	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C			
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C			
Field Scour Evaluation		L		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	12		
Superstructure Paint Code		A		

Note: If NC SMU Inspection Item is not present, leave NC SMU item blank

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	Y
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	18
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: 020133

Inspection Date: 03/27/2018

Item	Deck - Item 58	Grade	6	Maint Code	Qty.	0
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Details SOFT ON ENDS TO 1/4". RANDOM CHECKS.

Item	Superstructure - Item 59	Grade	4	Maint Code	Qty.	0
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Details CORROSION TO BEAMS.

Item	Substructure - Item 60	Grade	6	Maint Code	Qty.	0
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Details RANDOM CRACKS. ABRASION.

Item	Sign Notice Issued	Grade	Y	Maint Code	Qty.	0
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Details 1 MISSING DELINEATOR.

Item	Priority Maintenance Issued	Grade	Y	Maint Code	Qty.	0
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Details CORROSION TO BEAMS. 1 MISSING DELINEATOR.

Item	Presently Posted	Grade	Y	Maint Code	Qty.	0
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Details 12 AND 16 TONS.

Item	Deck Debris	Grade	F	Maint Code	3376	Qty.	1098
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Details SCATTERED DEBRIS ALONG RAILS.



Span 1 Beam 1: BOTTOM FLANGE FULL LENGTH SCALING RUST DOWN TO KNIFE EDGE WITH HOLES. TOP FLANGE FULL LENGTH SCALING RUST WITH 1/8" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS WITH HOLES AT ABUTMENT 1 END AND BENT 1 END.



Span 1 Beam 1: BOTTOM FLANGE FULL LENGTH SCALING RUST DOWN TO KNIFE EDGE WITH HOLES. TOP FLANGE FULL LENGTH SCALING RUST WITH 1/8" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS WITH HOLES AT ABUTMENT 1 END AND BENT 1 END.



Span 1 Beam 1: BOTTOM FLANGE FULL LENGTH SCALING RUST DOWN TO KNIFE EDGE WITH HOLES. TOP FLANGE FULL LENGTH SCALING RUST WITH 1/8" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS WITH HOLES AT ABUTMENT 1 END AND BENT 1 END.



Span 1 Beam 1: BOTTOM FLANGE FULL LENGTH SCALING RUST DOWN TO KNIFE EDGE WITH HOLES. TOP FLANGE FULL LENGTH SCALING RUST WITH 1/8" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS WITH HOLES AT ABUTMENT 1 END AND BENT 1 END.



Span 1 Beam 1: BOTTOM FLANGE FULL LENGTH SCALING RUST DOWN TO KNIFE EDGE WITH HOLES. TOP FLANGE FULL LENGTH SCALING RUST WITH 1/8" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS WITH HOLES AT ABUTMENT 1 END AND BENT 1 END.



Span 1 Beam 1: BOTTOM FLANGE FULL LENGTH SCALING RUST DOWN TO KNIFE EDGE WITH HOLES. TOP FLANGE FULL LENGTH SCALING RUST WITH 1/8" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS WITH HOLES AT ABUTMENT 1 END AND BENT 1 END.



Span 1 Beam 2: FROM ABUTMENT 1 OUT 17' BOTTOM FLANGE SCALING RUST WITH 1/8" TO 3/16" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/16" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.



Span 1 Beam 2: FROM ABUTMENT 1 OUT 17' BOTTOM FLANGE SCALING RUST WITH 1/8" TO 3/16" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/16" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.



Span 1 Beam 2: FROM ABUTMENT 1 OUT 17' BOTTOM FLANGE SCALING RUST WITH 1/8" TO 3/16" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/16" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.



Span 1 Beam 2: FROM ABUTMENT 1 OUT 17' BOTTOM FLANGE SCALING RUST WITH 1/8" TO 3/16" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/16" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.



Span 1 Beam 2: BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. WEB SCATTERED SURFACE RUST WITH RANDOM PITTING TO 1/16".



Span 1 Beam 2: BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. WEB SCATTERED SURFACE RUST WITH RANDOM PITTING TO 1/16".



Span 1 Beam 3: AT ABUTMENT 1 END 3' IN LENGTH TOP AND BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. WEB SCALING RUST WITH PITTING TO 1/16".



Span 1 Beam 3: 10' FROM ABUTMENT 1 END BOTTOM FLANGE SCLAING RUST WITH 1/16" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/8" TO 1/8" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.



Span 1 Beam 3: 10' FROM ABUTMENT 1 END BOTTOM FLANGE SCLAING RUST WITH 1/16" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/16" TO 1/8" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.



Span 1 Beam 3: AT BENT 1 END BOTTOM FLANGE SCALING RUST WITH 3/16" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 3/16" TO 1/4" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.



Span 1 Beam 3: AT BENT 1 END BOTTOM FLANGE SCALING RUST WITH 3/16" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 3/16" TO 1/4" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.



Span 1 Beam 4: FULL LENGTH OF BEAM TOP FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. BOTTOM FLANGE AND WEB HAVE SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 1 Beam 4: FULL LENGTH OF BEAM TOP FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. BOTTOM FLANGE AND WEB HAVE SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 1 Beam 5: FULL LENGTH TOP FLANGE SCALING RUST WITH 3/16" REMAINING STEEL. BOTTOM FLANGE AND WEB RANDOM SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 1 Beam 5: FULL LENGTH TOP FLANGE SCALING RUST WITH 3/16" REMAINING STEEL. BOTTOM FLANGE AND WEB RANDOM SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 1 Beam 5: AT BENT 1 END TOP AND BOTTOM FLANGE SCALING RUST WITH 3/16" REMAINING STEEL.
WEB SCALING RUST WITH SECTION LOSS.



Span 1 Beam 5: AT BENT 1 END TOP AND BOTTOM FLANGE SCALING RUST WITH 3/16" REMAINING STEEL.
WEB SCALING RUST WITH SECTION LOSS.



Span 1 Beam 6: FROM ABUTMENT 1 END OUT 27' TOP FLANGE SCALING RUST WITH 1/4" REMAINING STEEL.
BOTTOM FLANGE AND WEB RANDOM SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 1 Beam 6: FROM ABUTMENT 1 END OUT 27' TOP FLANGE SCALING RUST WITH 1/4" REMAINING STEEL.
BOTTOM FLANGE AND WEB RANDOM SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 1 Beam 6: AT BENT 1 END TOP FLANGE SCALING RUST WITH 3/16" REMAINING STEEL. BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL.



Span 1 Beam 6: AT BENT 1 END TOP FLANGE SCALING RUST WITH 3/16" REMAINING STEEL. BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL.



Span 1 Beam 7: SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 1 Beam 7: SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 1 Beam 7: AT BENT 1 END BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL WITH 1/8" TO 3/16" PITTING.



Span 1 Beam 8: ABUTMENT 1 END BOTTOM FLANGE SCALING RUST WITH 5/16" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.



Span 1 Beam 8: TOP FLANGE SCALING RUST WITH 1/4" REMINING STEEL. BOTTOM FLANGE AND WEB SURFACE RUST WITH PITTING TO 1/16".



Span 1 Beam 8: TOP FLANGE SCALING RUST WITH 1/4" REMINING STEEL. BOTTOM FLANGE AND WEB SURFACE RUST WITH PITTING TO 1/16".



Span 2 Beam 1: FULL LENGTH OF BEAM TOP AND BOTTOM FLANGES SCALING RUST DOWN TO KNIFE EDGE. WEB SCALING RUST WITH SECTION LOSS.



Span 2 Beam 1: FULL LENGTH OF BEAM TOP AND BOTTOM FLANGES SCALING RUST DOWN TO KNIFE EDGE. WEB SCALING RUST WITH SECTION LOSS.



Span 2 Beam 1: FULL LENGTH OF BEAM TOP AND BOTTOM FLANGES SCALING RUST DOWN TO KNIFE EDGE.
WEB SCALING RUST WITH SECTION LOSS.



Span 2 Beam 1: FULL LENGTH OF BEAM TOP AND BOTTOM FLANGES SCALING RUST DOWN TO KNIFE EDGE.
WEB SCALING RUST WITH SECTION LOSS.



Span 2 Beam 1: FULL LENGTH OF BEAM TOP AND BOTTOM FLANGES SCALING RUST DOWN TO KNIFE EDGE. WEB SCALING RUST WITH SECTION LOSS.



Span 2 Beam 2: FROM ABUTMENT 2 OUT 16' TOP AND BOTTOM FLANGES SCALING RUST WITH 1/4" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.



Span 2 Beam 2: FROM ABUTMENT 2 OUT 16' TOP AND BOTTOM FLANGES SCALING RUST WITH 1/4" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.



Span 2 Beam 2: FROM ABUTMENT 2 OUT 16' TOP AND BOTTOM FLANGES SCALING RUST WITH 1/4" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.



Span 2 Beam 2: FROM BENT 1 OUT 15' SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 2 Beam 3: FULL LENGTH OF BEAM TOP FLANGE SCALING RUST WITH 1/8" REMAINING STEEL. BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. WEB RANDOM AREAS SCALING RUST WITH SECTION LOSS.



Span 2 Beam 3: FULL LENGTH OF BEAM TOP FLANGE SCALING RUST WITH 1/8" REMAINING STEEL. BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. WEB RANDOM AREAS SCALING RUST WITH SECTION LOSS.



Span 2 Beam 3: FULL LENGTH OF BEAM TOP FLANGE SCALING RUST WITH 1/8" REMAINING STEEL. BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. WEB RANDOM AREAS SCALING RUST WITH SECTION LOSS.



Span 2 Beam 3: FULL LENGTH OF BEAM TOP FLANGE SCALING RUST WITH 1/8" REMAINING STEEL. BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. WEB RANDOM AREAS SCALING RUST WITH SECTION LOSS.



Span 2 Beam 4: RANDOM AREAS OF SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 2 Beam 4: RANDOM AREAS OF SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 2 Beam 5: SURFACE RUST ALONG TOP FLANGE WITH PITTING TO 1/16". BOTTOM FLANGE AND WEB RANDOM SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 2 Beam 5: SURFACE RUST ALONG TOP FLANGE WITH PITTING TO 1/16". BOTTOM FLANGE AND WEB RANDOM SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 2 Beam 6: RANDOM AREAS OF SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 2 Beam 6: RANDOM AREAS OF SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 2 Beam 7: BENT 1 END BOTTOM FLANGE SCALING RUST WITH 1/8" PITTING. WEB SCALING RUST WITH SECTION LOSS.



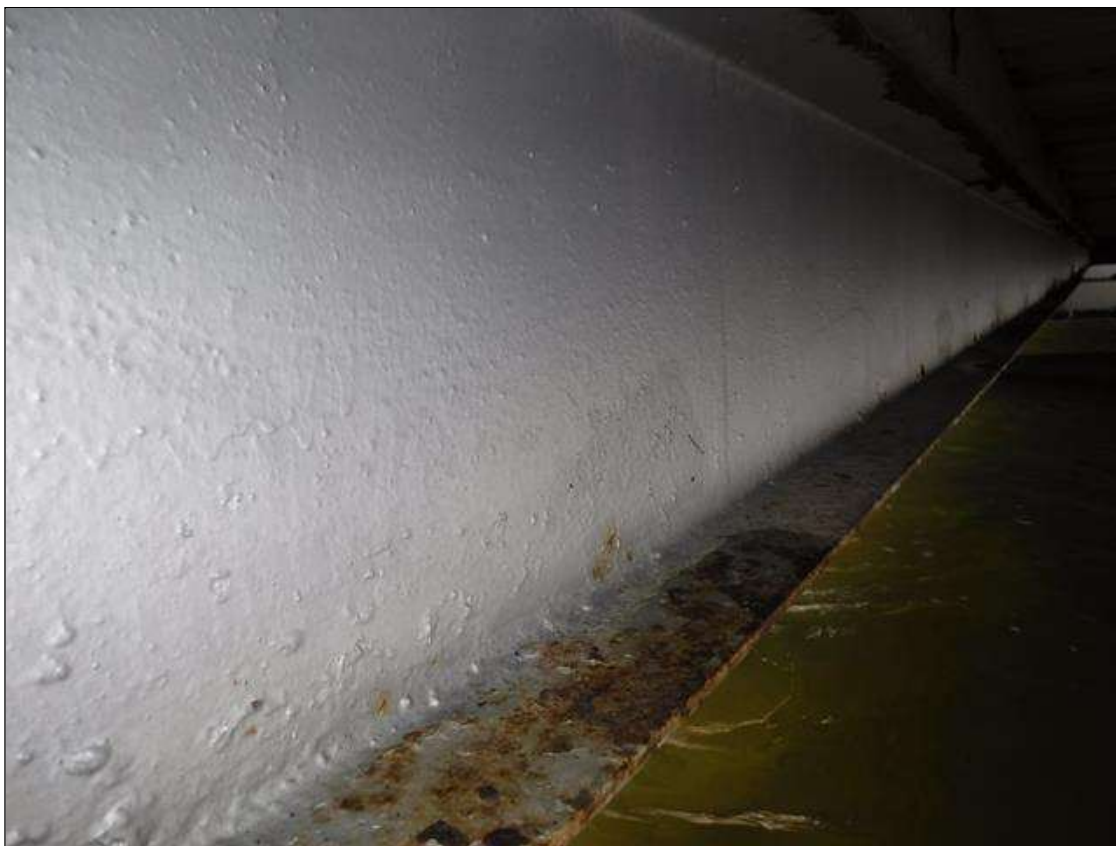
Span 2 Beam 7: RANDOM AREAS OF SCALING RUST TO TOP FLANGE AND WEB WITH UP TO 1/16" PITTING AND /OR LOSS.



Span 2 Beam 8: RANDOM AREAS OF SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 2 Beam 8: RANDOM AREAS OF SURFACE RUST WITH NO MEASUREABLE LOSS.



Span 1 Beam 3: SURFACE RUST ONLY WITH NO MEASURABLE LOSS



Span 2 Left Bridge Rail: OUTER WHEELGUARD BROKEN OFF AT NORTH END.



Span 2 Left Bridge Rail: OUTER WHEELGUARD BROKEN OFF MID SPAN.



SOUTHWEST WING DAMAGE



SOUTHEAST WING DAMAGE



NORTHEAST WING DAMAGE



NORTHWEST WING DAMAGE



LOOKING NORTH AT APPROACH



POSTING



LOOKING NORTH



LOOKING EAST



LOOKING WEST



WEARING SURFACE



LOOKING SOUTH



LOOKING SOUTH AT APPROACH



EAST PROFILE



WEST PROFILE



ABUTMENT 2



BENT 1



ABUTMENT 1

Stream Bed Soundings

(Profile diagram on following sheet)

County ALLEGHANY

Structure Number: 020133

Inspection Date 03/27/2018

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	0.000	0.000	TOP OF RAIL
0.000	0.600	0.000	TOP OF FF
0.300	0.600	0.000	TOP OF FF
0.400	2.200	0.000	TOP OF CAP
1.300	2.200	0.000	TOP OF CAP
1.310	5.200	0.000	WSWE
1.310	6.600	6.600	FACE ABUTMENT 1
14.000	7.500	0.000	BED
30.500	7.000	7.200	BENT 1
45.000	8.300	0.000	BED
59.600	5.400	0.000	WSWE
59.600	7.800	7.200	FACE ABUTMENT 2
59.620	2.200	0.000	TOP OF CAP
60.600	2.200	0.000	TOP OF CAP
60.610	0.600	0.000	TOP OF FF
61.000	0.600	0.000	TOP OF FF
61.010	0.000	0.000	TOP OF RAIL

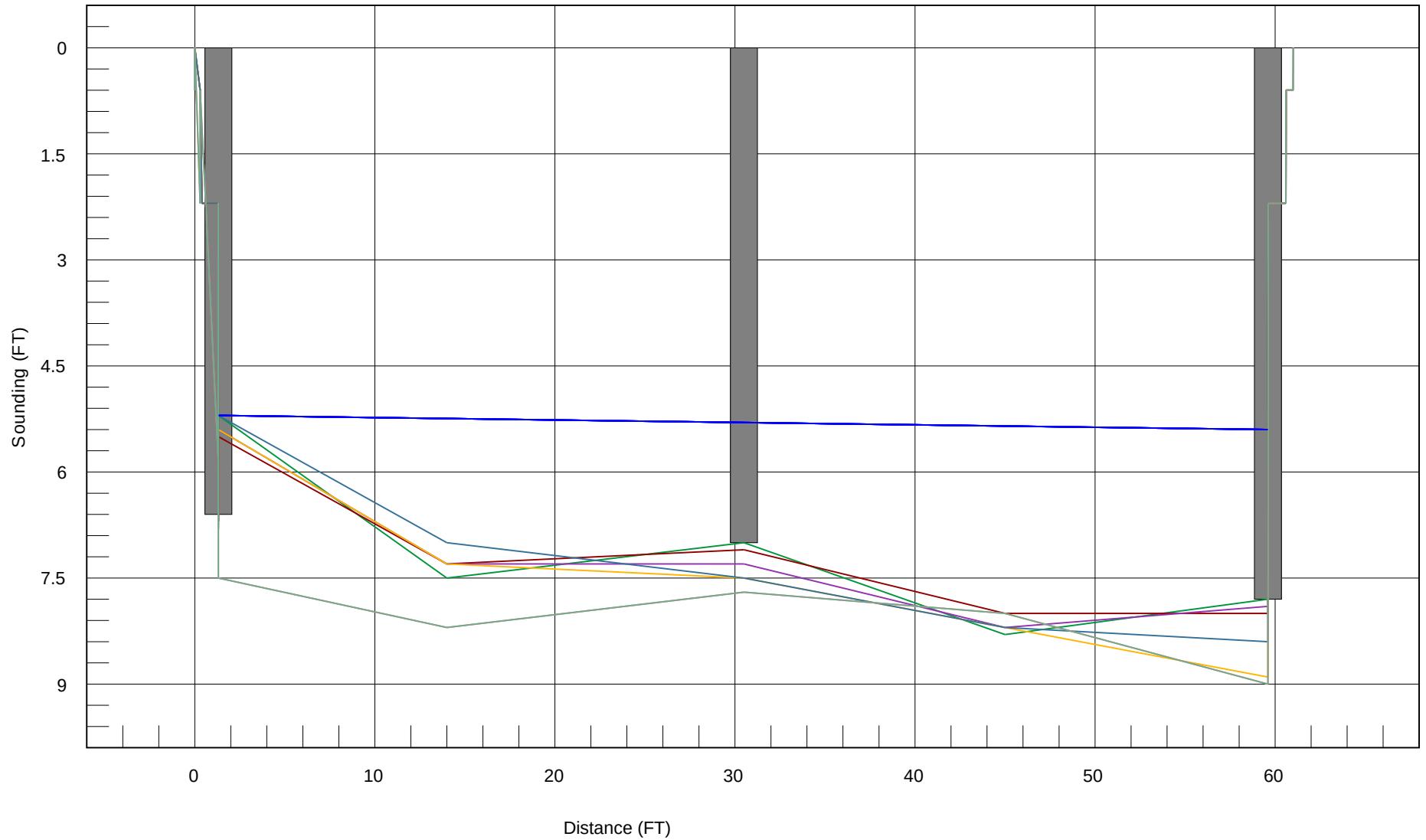
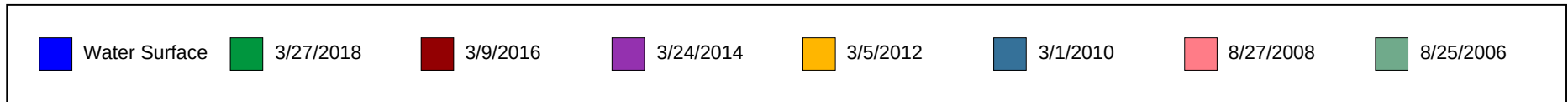
Bridge: 020133

County: ALLEGHANY

Date: 03/27/2018

STREAMBED PROFILE (Downstream)

Top of Rail = 0FT (Sounding)

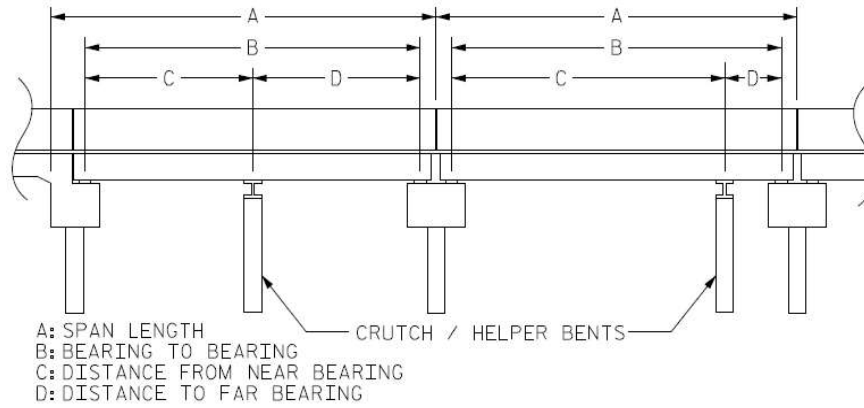


Structure Data Worksheet

Span Profile

County: ALLEGHANY

Structure Number: 020133



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	30.500	29.500			
2	30.500	29.500			

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

Run Date: 11/20/2018

IDENTIFICATION							
(1) STATE NAME -NORTH CAROLINA	BRIDGE	020133		SUFFICIENCY RATING =		23.5	
(8) STRUCTURE NUMBER(FEDERAL)		000000000050133		STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER) - ON		31014330					
(2) STATE HIGHWAY DEPARTMENT DISTRICT		1		CLASSIFICATION		CODE	
(3) COUNTY CODE 5 (4) PLACE CODE		0		(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED - LITTLE RIVER				(104)HIGHWAY SYSTEM Is not on NHS		0	
(7) FACILITY CARRIED SR1433				(26) FUNCTIONAL CLASS - Local		09	
(9) LOCATION 15 FT.N.JCT.SR1434				(100)STRAHNET HIGHWAY - Not a STRAHNET Route		0	
(11)MILEPOINT		0		(101)PARALLEL STRUCTURE - No Parallel Structure		N	
(16)LAT 36° 31' 22.75" (17)LONG 81° 2' 16.90"				(102)DIRECTION OF TRAFFIC - One Lane Bridge, 2-way Traffic		3	
(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 Multibeam or Girder	CODE	302		(22) OWNER - State Highway Agency		01	
(44) STRUCTURE TYPE APPR :				(37) HISTORICAL SIGNIFICANCE - Not Eligible		5	
TYPE -	CODE	000		CONDITION		CODE	
(45) NUMBER OF SPANS IN MAIN UNIT		2		(58) DECK		6	
(46) NUMBER OF APPROACH SPANS				(59) SUPERSTRUCTURE		4	
(107)DECK STRUCTURE TYPE - 8	CODE			(60) SUBSTRUCTURE		6	
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(61) CHANNEL & CHANNEL PROTECTION		7	
(A) TYPE OF WEARING SURFACE -	CODE			(62) CULVERTS		N	
(B) TYPE OF MEMBRANE -	CODE			LOAD RATING AND POSTING		CODE	
(C) TYPE OF DECK PROTECTION -	CODE			(31) DESIGN LOAD	Unknown	0	
AGE AND SERVICE				(63) OPERATING RATING METHOD -	Load Factor	1	
(27) YEAR BUILT		1962		(64) OPERATING RATING -	HS-12	21	
(106)YEAR RECONSTRUCTED				(65) INVENTORY RATING METHOD -	Load Factor	1	
(42) TYPE OF SERVICE : ON - Highway				(66) INVENTORY RATING -	HS-7	12	
UNDER - Waterway	CODE	15		(70) BRIDGE POSTING -	Posting Required	0	
(28) LANES: ON STRUCTURE 1 UNDER STRUCTURE		0		(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P	
(29) AVERAGE DAILY TRAFFIC		90		DESCRIPTION -	Posted for Load		
(30) YEAR OF ADT 2000 (109) TRUCK ADT PCT		%		APPRAISAL		CODE	
(19) BYPASS OR DETOUR LENGTH		11 MI		(67) STRUCTURAL EVALUATION		4	
GEOMETRIC DATA				(68) DECK GEOMETRY		7	
(48) LENGTH OF MAXIMUM SPAN		30 FT		(69) UNDERCLEARANCES,VERTI & HORIZ		N	
(49) STRUCTURE LENGTH		61 FT		(71) WATERWAY ADEQUACY		4	
(50)CURB OR SIDEWALK: LEFT 1 FT RIGHT		1 FT		(72) APPROACH ROADWAY ALIGNMENT		3	
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		15.917 FT		(36) TRAFFIC SAFETY FEATURES		0000	
(52) DECK WIDTH OUT TO OUT		18 FT		(113)SCOUR CRITICAL BRIDGES		U	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		18 FT		PROPOSED IMPROVEMENTS		CODE	
(33) BRIDGE MEDIAN - No Median	CODE	0		(75) TYPE OF WORK -			
(34) SKEW 10° (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		15.917 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 180 (115) YEAR FUTURE ADT		2025	
(56) MIN LAT UNDERCLEAR LT REF -		000 FT		INSPECTIONS			
NAVIGATION DATA				(90) INSPECTION DATE		03/27/2018	
(38) NAVIGATION CONTROL - No Navigational Control	CODE	0		(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE	
(111)PIER PROTECTION -	CODE			A) FRACTURE CRIT DETAIL -	NO	A)	
(39) NAVIGATION VERTICAL CLEARANCE		0		B) UNDERWATER INSP -	YES 24Mo	B)	03/27/2018
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR		FT		C) OTHER SPECIAL INSP	NO	C)	
(40) NAVIGATION HORIZONTAL CLEARANCE		0 FT		SCOUR			

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 11/20/2018

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
ALLEGHANY	11	1	020133	61	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1433	LITTLE RIVER

LOCATED :	BRIDGE NAME :	CITY :
15 FT.N.JCT.SR1434		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	90 2000	LT 0 RT 0

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1962	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :		
	BMU		TAN	80	ON 1 UNDER 0		

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT	HC 0 FT		8 FT		4 FT		

SUPERSTRUCTURE :	TIMBER FLOOR ON I-BEAMS (LOW WATER TYPE)
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SUBSTRUCTURE :	ABUTS & PIER: STEEL CAPS/REINFORCED CONCRETE
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SPANS :	2 @ 30'-6
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BEAMS OR GIRDERS :	8 LINES 12 I-BEAMS @ 2'-4 CENTERS
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FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8 TIM/1.5 AWS		18 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
15.917 FT	0 FT	LT 1 FT RT 1 FT

VERT.CL.OVER :	
999.9 FT	

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-7	HS-12	Ext.Beams	SV 12	16	08/22/2006

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

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 020133

County ALLEGHANY

Date: 03/27/2018

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	31	Span 1 Beam 1: BOTTOM FLANGE FULL LENGTH SCALING RUST DOWN TO KNIFE EDGE WITH HOLES. TOP FLANGE FULL LENGTH SCALING RUST WITH 1/8" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS WITH HOLES AT ABUTMENT 1 END AND BENT 1 END.	
 3314	Maintain Steel Superstructure Components	LF	17	Span 1 Beam 2: FROM ABUTMENT 1 OUT 17' BOTTOM FLANGE SCALING RUST WITH 1/8" TO 3/16" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/16" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.	
 3314	Maintain Steel Superstructure Components	LF	14	Span 1 Beam 2: BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. WEB SCATTERED SURFACE RUST WITH RANDOM PITTING TO 1/16".	
 3314	Maintain Steel Superstructure Components	LF	3	Span 1 Beam 3: AT ABUTMENT 1 END 3' IN LENGTH TOP AND BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. WEB SCALING RUST WITH PITTING TO 1/16".	
 3314	Maintain Steel Superstructure Components	LF	4	Span 1 Beam 3: 10' FROM ABUTMENT 1 END BOTTOM FLANGE SCALING RUST WITH 1/16" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/16" TO 1/8" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.	
 3314	Maintain Steel Superstructure Components	LF	31	Span 1 Beam 4: FULL LENGTH OF BEAM TOP FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. BOTTOM FLANGE AND WEB HAVE SURFACE RUST WITH NO MEASUREABLE LOSS.	
 3314	Maintain Steel Superstructure Components	LF	31	Span 1 Beam 5: FULL LENGTH TOP FLANGE SCALING RUST WITH 3/16" REMAINING STEEL. BOTTOM FLANGE AND WEB RANDOM SURFACE RUST WITH NO MEASUREABLE LOSS.	
 3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 5: AT BENT 1 END TOP AND BOTTOM FLANGE SCALING RUST WITH 3/16" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 020133

County ALLEGHANY

Date: 03/27/2018

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	27	Span 1 Beam 6: FROM ABUTMENT 1 END OUT 27' TOP FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. BOTTOM FLANGE AND WEB RANDOM SURFACE RUST WITH NO MEASUREABLE LOSS.	
 3314	Maintain Steel Superstructure Components	LF	4	Span 1 Beam 7: AT BENT 1 END BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL WITH 1/8" TO 3/16" PITTING.	
 3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 8: ABUTMENT 1 END BOTTOM FLANGE SCALING RUST WITH 5/16" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.	
 3314	Maintain Steel Superstructure Components	LF	29	Span 1 Beam 8: TOP FLANGE SCALING RUST WITH 1/4" REMINING STEEL. BOTTOM FLANGE AND WEB SURFACE RUST WITH PITTING TO 1/16".	
 3314	Maintain Steel Superstructure Components	LF	31	Span 2 Beam 1: FULL LENGTH OF BEAM TOP AND BOTTOM FLANGES SCALING RUST DOWN TO KNIFE EDGE. WEB SCALING RUST WITH SECTION LOSS.	
 3314	Maintain Steel Superstructure Components	LF	16	Span 2 Beam 2: FROM ABUTMENT 2 OUT 16' TOP AND BOTTOM FLANGES SCALING RUST WITH 1/4" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.	
 3314	Maintain Steel Superstructure Components	LF	31	Span 2 Beam 3: FULL LENGTH OF BEAM TOP FLANGE SCALING RUST WITH 1/8" REMAINING STEEL. BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. WEB RANDOM AREAS SCALING RUST WITH SECTION LOSS.	
 3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 7: BENT 1 END BOTTOM FLANGE SCALING RUST WITH 1/8" PITTING. WEB SCALING RUST WITH SECTION LOSS.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 020133

County ALLEGHANY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	31 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Critical Finding	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 1 Beam 1: BOTTOM FLANGE FULL LENGTH SCALING RUST DOWN TO KNIFE EDGE WITH HOLES. TOP FLANGE FULL LENGTH SCALING RUST WITH 1/8" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS WITH HOLES AT ABUTMENT 1 END AND BENT 1 END.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	17 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 1 Beam 2: FROM ABUTMENT 1 OUT 17' BOTTOM FLANGE SCALING RUST WITH 1/8" TO 3/16" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/16" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 020133

County ALLEGHANY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	14 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 1 Beam 2: BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. WEB SCATTERED SURFACE RUST WITH RANDOM PITTING TO 1/16".		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 1 Beam 3: AT ABUTMENT 1 END 3' IN LENGTH TOP AND BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. WEB SCALING RUST WITH PITTING TO 1/16".		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 020133

County ALLEGHANY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 1 Beam 3: 10' FROM ABUTMENT 1 END BOTTOM FLANGE SCLAING RUST WITH 1/16" REMAINING STEEL. TOP FLANGE SCALING RUST WITH 1/16" TO 1/8" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	31 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 1 Beam 4: FULL LENGTH OF BEAM TOP FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. BOTTOM FLANGE AND WEB HAVE SURFACE RUST WITH NO MEASUREABLE LOSS.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 020133

County ALLEGHANY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	31 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 1 Beam 5: FULL LENGTH TOP FLANGE SCALING RUST WITH 3/16" REMAINING STEEL. BOTTOM FLANGE AND WEB RANDOM SURFACE RUST WITH NO MEASUREABLE LOSS.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 1 Beam 5: AT BENT 1 END TOP AND BOTTOM FLANGE SCALING RUST WITH 3/16" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 020133

County ALLEGHANY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	27 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 1 Beam 6: FROM ABUTMENT 1 END OUT 27' TOP FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. BOTTOM FLANGE AND WEB RANDOM SURFACE RUST WITH NO MEASUREABLE LOSS.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 1 Beam 7: AT BENT 1 END BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL WITH 1/8" TO 3/16" PITTING.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 020133

County ALLEGHANY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 1 Beam 8: ABUTMENT 1 END BOTTOM FLANGE SCALING RUST WITH 5/16" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	29 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 1 Beam 8: TOP FLANGE SCALING RUST WITH 1/4" REMINING STEEL. BOTTOM FLANGE AND WEB SURFACE RUST WITH PITTING TO 1/16".		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 020133

County ALLEGHANY

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	31 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 2 Beam 1: FULL LENGTH OF BEAM TOP AND BOTTOM FLANGES SCALING RUST DOWN TO KNIFE EDGE. WEB SCALING RUST WITH SECTION LOSS.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	16 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 2 Beam 2: FROM ABUTMENT 2 OUT 16' TOP AND BOTTOM FLANGES SCALING RUST WITH 1/4" REMAINING STEEL. WEB SCALING RUST WITH SECTION LOSS.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 020133

County ALLEGHANY

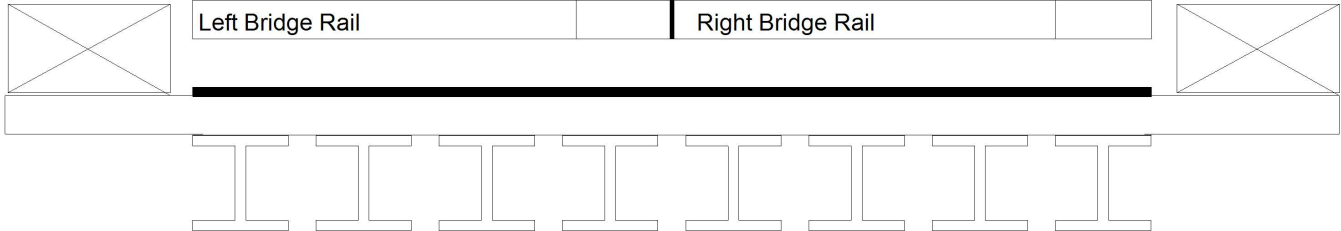
THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	31 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 2 Beam 3: FULL LENGTH OF BEAM TOP FLANGE SCALING RUST WITH 1/8" REMAINING STEEL. BOTTOM FLANGE SCALING RUST WITH 1/4" REMAINING STEEL. WEB RANDOM AREAS SCALING RUST WITH SECTION LOSS.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Maintenance Work In Process	
Submitted Date:	Submitted By:	Assisted By:
03/27/2018	JOHN HOUSTON	
Details		
Span 2 Beam 7: BENT 1 END BOTTOM FLANGE SCALING RUST WITH 1/8" PITTING. WEB SCALING RUST WITH SECTION LOSS.		

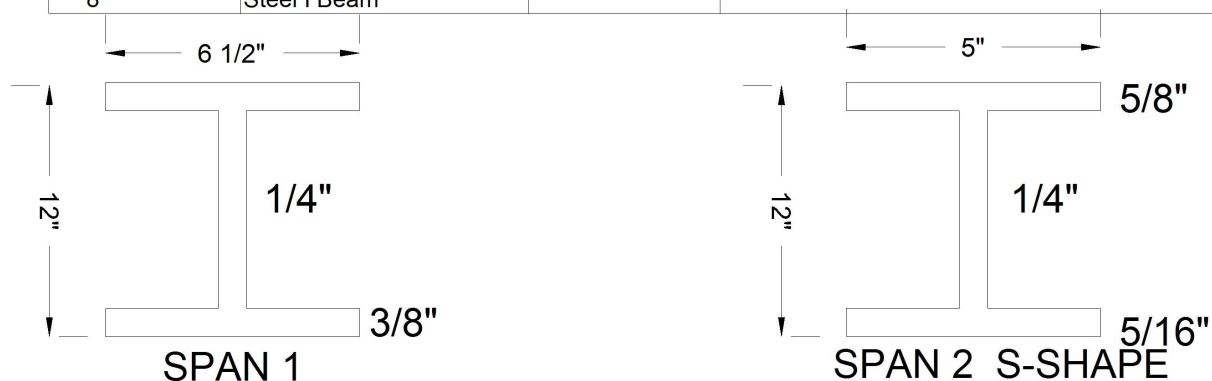
Bridge Inspection Field Sketch

Deck Width/Out to Out	18.0ft	Wearing Surface	0.125ft
Between Rails		Median Width	
Curb Height	0.417ft	Median Height	
Top Rail to Deck/Wearing Surface		Left Guardrail Width	
Clear Roadway	15.917ft	Right Guardrail Width	
Left Bridge Rail		Right Bridge Rail	



Measurements for Span #	1	SPAN 2 SIMILAR	
Deck Thickness	0.312	Left Overhang	0.750
Top of Rail to Bottom of Beam	2.167	Right Overhang	0.833

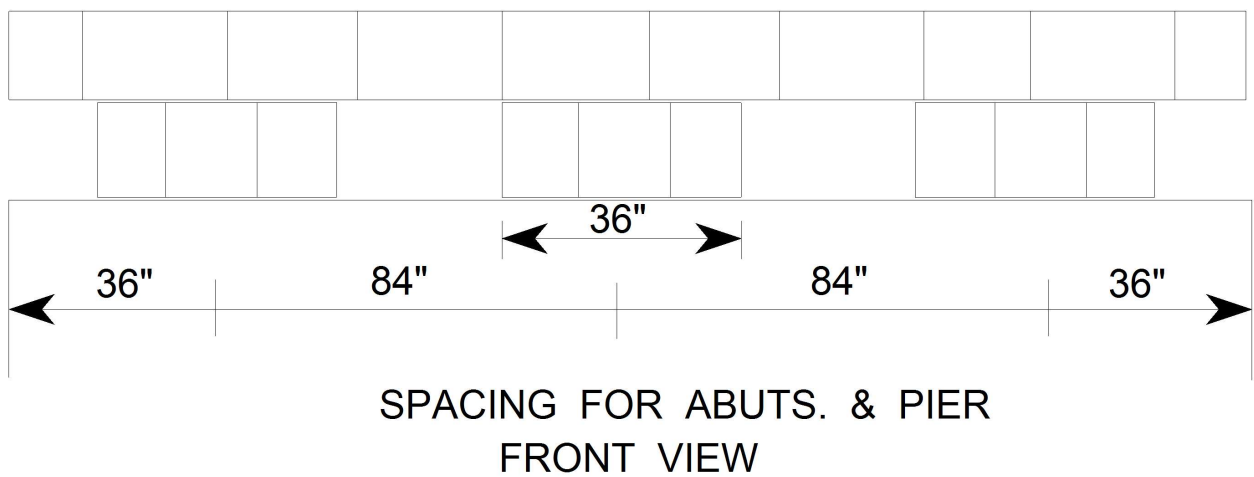
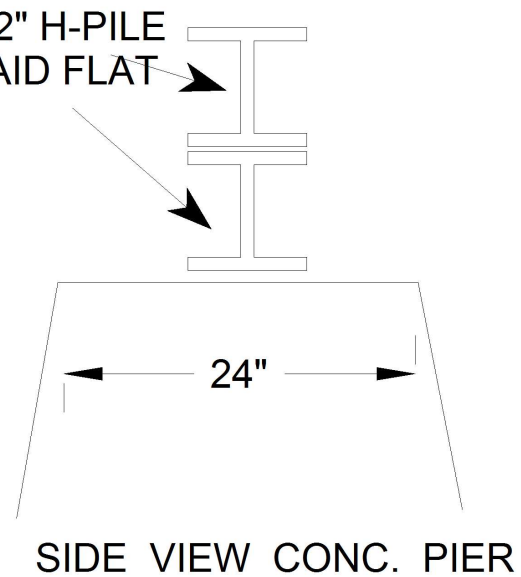
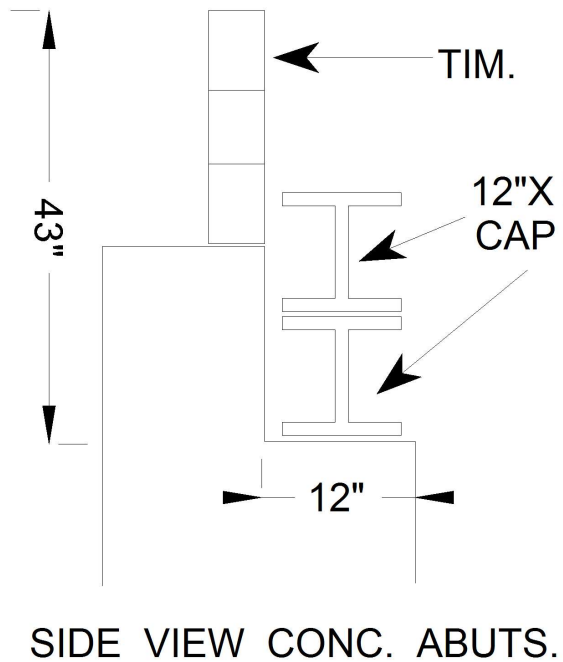
Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.333ft	
2	Steel I Beam	2.333ft	
3	Steel I Beam	2.333ft	
4	Steel I Beam	2.333ft	
5	Steel I Beam	2.333ft	
6	Steel I Beam	2.333ft	
7	Steel I Beam	2.333ft	
8	Steel I Beam		



SPAN 1 BM. 2, 3, 6, 7, 8 & SPAN 2 BM. 3, 4, 5, 6, 8 HAVE 9/16" DIA. HOLE IN BOTTOM FLANGE @ MID-SPAN. ALL SPAN 1 BMS. & SPAN 2 BM. 8 HAVE 2 - 9/16" DIA. HOLES IN BOTTOM FLANGE NEAR PIER.

Title TS		Description SUPER	
Bridge No: 020133	Drawn By: MEC	Date: 03/27/2018	File Name: S0126000993

Bridge Inspection Field Sketch



Title

SUB.

Description

SUBST.

Bridge No: 020133

Drawn By: MEC

Date: 03/27/2018

File Name: S0126000994

Bridge Inspection Field Sketch



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

Title

APP.

Description

APP. RDWY.

Bridge No: 020133

Drawn By: KSH

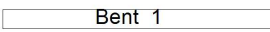
Date: 03/27/2018

File Name: S0126000995

Bridge Inspection Field Sketch

2.50 FT  3.00 FT
Abutment 2

North


2.00 FT  2.00 FT
Bent 1


Current: LIGHT

Streambed Composition: SAND COBBLE AND BEDROCK

2.00 FT  1.50 FT
Abutment 1

Title

PLANVIEW

Description

PLAN VIEW

Bridge No: 020133

Drawn By: KSH

Date: 03/27/2018

File Name: S0150000216