



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINTENANCE (17): PANEL BOARD,
WEIGHT LIMIT, BEAMS, ABUTMENT

Structure Safety Report

Routine Element Inspection

COUNTY: MITCHELL STRUCTURE NUMBER: 600022 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1325 MILE POST:

LOCATION: .05 MI.N.JCT.NC226

FEATURE INTERSECTED: BIG ROCK CREEK

LATITUDE: 36° 3' 57.32" LONGITUDE: 82° 12' 46.97"

SUPERSTRUCTURE: TIMBER FLOOR ON I-BEAMS

SUBSTRUCTURE: ABUTMENTS&PIER:YOUNT MASONRY

1 @ 46.083', 1 @ 46.167'

SPANS: 1 @ 46'-1, 1 @ 46'-2

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

PRESENT CONDITION: Poor INSPECTION DATE: 10/19/2017

POSTED SV: 24 POSTED TTST: 29

OTHER SIGNS PRESENT: DELINEATORS (4)



NORTH APPROACH LOOKING SOUTH

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

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS

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

Structure Number: **600022**

Inspection Date **10/19/201**
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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	2354	2354	0	0	0
107	0	Steel Open Girder/Beam	Beam	828	0	0	138	690
515	107	Steel Protective Coating	Beam	6570	0	0	3250	3320
205	0	Reinforced Concrete Column	Piles and Columns	1	1	0	0	0
215	0	Reinforced Concrete Abutment	Abutments	90	36	24	30	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	26	26	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	26	26	0	0	0
316	0	Other Bearings	Bearing Device	36	0	0	36	0
515	316	Steel Protective Coating	Bearing Device	36	0	0	0	36
332	0	Timber Bridge Railing	Bridge Rail	188	187	0	0	1
510	0	Wearing Surface	Wearing Surfaces	2261	1061	1200	0	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **600022**

Inspection Date: **10/19/2017**

MMS Code	Element Name	Defect Name	Recommended Quantity
3314	Steel Open Girder/Beam	Corrosion	828 Feet
3350	Reinforced Concrete Abutment	Exposed Rebar	8 Feet
3350	Reinforced Concrete Abutment	Delamination/Spall	24 Feet
3350	Reinforced Concrete Abutment	Efflorescence/Rust Staining	13 Feet
3334	Other Bearings	Corrosion	36 Each
3316	Timber Bridge Railing	Damage	1 Feet
2816	Wearing Surface	Crack (Wearing Surface)	1200 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	6606 Square Feet

Element Structure Maintenance Quantities

Structure Number: **600022**

Inspection Date **10/19/2017**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	45	90	0	30	24	36
Beam	3314	Maintenance Steel Superstructure Components	828	828	690	138	0	0
Beam	3342	Clean and Paint Steel	6570	6570	3320	3250	0	0
Bearing Device	3334	Bridge Bearing	36	36	0	36	0	0
Bearing Device	3342	Clean and Paint Steel	36	36	36	0	0	0
Bridge Rail	3316	Maintenance of Timber Bridge Rail	1	188	1	0	0	187
Caps	3348	Maintenance of Concrete Substructure	0	26	0	0	0	26
Deck	3324	Maintenance of Timber Deck Components	0	2354	0	0	0	2354
Footing	3348	Maintenance of Concrete Substructure	0	26	0	0	0	26
Piles and Columns	3348	Maintenance of Concrete Substructure	0	1	0	0	0	1
Wearing Surfaces	2816	Asphalt Surface Repair	1200	2261	0	0	1200	1061

Element Condition and Maintenance Data

Structure Number: 600022

Inspection Date: 10/19/2017

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	46	0	0	0	46	Feet
515	Steel Protective Coating	365	0	0	165	200	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5" THE FULL LENGTH OF THE BEAM WITH A 15" LONG AREA REDUCED TO 0.25" AT 7' FROM THE NEAR END OF THE BEAM AND AN 18" LONG AREA REDUCED TO 0.25" AT 18' FROM THE NEAR END. THE LEFT HALF OF THE BOTTOM FLANGE HAS FRECKLED RUST THE FULL LENGTH. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.	4	46	46	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOWING CORROSION WITH SECTION LOSS.	4	200	200	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED ALLOWING CORROSION.	3	165	165	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	46	0	0	0	46	Feet
515	Steel Protective Coating	365	0	0	215	150	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	BOTH HALVES OF THE BOTTOM FLANGE ARE REDUCED TO 0.4375" - 0.5" FOR 1" WIDE THE ENTIRE LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.	4	46	46	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOWING CORROSION AND SECTION LOSS.	4	150	150	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING.	3	215	215	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	46	0	0	0	46	Feet
515	Steel Protective Coating	365	0	0	165	200	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. RIGHT	4	46	46	Feet

FLANGE HAS SIMILAR LOSS WITH AN 8.5' LONG AREA REDUCED TO 0.25" AT 6.917' FROM END BENT 1. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 2" OF THE WEB IS REDUCED TO 0.3125" - 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.

515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED	4	200	200	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED	3	165	165	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	46	0	0	0	46 Feet
515	Steel Protective Coating	365	0	0	165	200 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.4375" - 0.5" THE FULL LENGTH OF THE BEAM WITH A 7.75' LONG AREA REDUCED TO 0.375" BEGINNING AT THE NEAR END OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.25" - 0.3125" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.	4	46	46 Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOWING CORROSION WITH SECTION LOSS.	4	200	200 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED.	3	165	165 Square Feet

General Comments**Span 1****Beam 5****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	46	0	0	0	46 Feet
515	Steel Protective Coating	365	0	0	165	200 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	THE LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.25" FOR 20.5' BEGINNING AT THE NEAR END, WITH A 3.75' LONG AREA REDUCED TO 0.125" AT 13' FROM THE NEAR END. REMAINING LENGTH OF THE FLANGE IS REDUCED TO 0.4375". THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.25" FOR 15' BEGINNING AT THE NEAR END WITH A 3' LONG AREA REDUCED TO 0.125" BEGINNING AT 4.5' FROM THE NEAR END. THE REMAINING LENGTH IS REDUCED TO 0.4375". THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.	4	46	46 Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	200	200 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED.	3	165	165 Square Feet

General Comments

Span 1**Beam 6****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	46	0	0	0	46 Feet
515	Steel Protective Coating	365	0	0	165	200 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.	4	46	46 Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED	4	200	200 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED.	3	165	165 Square Feet

General Comments

Span 1**Beam 7****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	46	0	0	0	46 Feet
515	Steel Protective Coating	365	0	0	165	200 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.4375" THE FULL LENGTH WITH A 3.5' LONG AREA REDUCED TO 0.0625" - 0.125" AT 12.667' FROM THE NEAR END OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.	4	46	46 Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	200	200 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED.	3	165	165 Square Feet

General Comments

Span 1**Beam 8****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	46	0	0	46	0 Feet
515	Steel Protective Coating	365	0	0	215	150 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	BOTH SIDES OF THE BOTTOM FLANGE ARE REDUCED TO 0.5625" FOR 2" WIDE FROM ORIGINAL 0.625" THICKNESS. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH.	3	46	46 Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	150	150 Square Feet

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515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED.	3	215	215	Square Feet
General Comments						

Span 1**Beam 9****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	46	0	0	0	46	Feet
515	Steel Protective Coating	365	0	0	200	165	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.4375" FOR 22' BEGINNING AT THE NEAR END OF THE BEAM. THE REMAINING LENGTH IS REDUCED TO 0.5625". RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5625" THE FULL LENGTH OF THE BOTTOM FLANGE. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.	4	46	46	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	165	165	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED.	3	200	200	Square Feet
General Comments						

Span 1**Wearing Surface****Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	1,129	529	600	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	TRANSVERSE CRACKS AT 2' - 3' AVERAGE SPACING.	2	600	600 Square Feet
General Comments					

Span 1**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet
General Comments					

Span 1 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet
General Comments					

Span 1 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet
General Comments					

Span 1 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet
General Comments					

Span 1 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **600022**Inspection Date: **10/19/2017**

316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1	Square Feet
General Comments						

Span 1 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet
General Comments					

Span 1 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet
General Comments					

Span 1 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet
General Comments					

Span 1**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1	Square Feet	
General Comments							

Span 1**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1	Square Feet	
General Comments							

Span 1**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1	Square Feet	
General Comments							

Span 1**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		

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General Comments

Span 1	Near Bearing
Other Bearing	

General Comments

Span 1	Far Bearing
Other Bearing	

General Comments

Span 1	Near Bearing
Other Bearing	

General Comments

Span 1 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet

General Comments

Span 1 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet

General Comments

Span 1 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 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	46	0	0	0	46 Feet
515	Steel Protective Coating	365	0	0	190	175 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **600022**Inspection Date: **10/19/2017**

107	Corrosion	LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" FOR 12" AT THE NEAR END OF THE BEAM, AND 20" AT THE FAR END OF THE BEAM. REMAINING LENGTH IS REDUCED TO 0.5625" ALONG THE OUTSIDE 1" OF THE FLANGE. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5" FOR 2.5" WIDE THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.	4	46	46 Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	175	175 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED.	3	190	190 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	46	0	0	0	46 Feet
515	Steel Protective Coating	365	0	0	190	175 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.4375" - 0.5" THE FULL LENGTH OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5625" FOR 2.5" WIDE THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.	4	46	46 Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED	4	175	175 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED.	3	190	190 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	46	0	0	0	46 Feet
515	Steel Protective Coating	365	0	0	165	200 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.375" THE FULL LENGTH OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.375" THE FULL LENGTH WITH A 2.5' LONG AREA REDUCED TO 0.1875" - 0.25" BEGINNING 17' FROM THE NEAR END OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.	4	46	46 Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	200	200 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED.	3	165	165 Square Feet

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	46	0	0	0	46 Feet
515	Steel Protective Coating	365	0	0	140	225 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	LEFT HALF OF THE BOTTOM FLANGE REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM WITH A 6' LONG AREA REDUCED TO 0.1875" BEGINNING 10' FROM THE NEAR END OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" THE FULL LENGTH WITH A 6' LONG AREA REDUCED TO 0.0625" WITH MULTIPLE SAWTOOTH EDGES UP TO 3" LONG X 1.5" DEEP AT 9.5' FROM THE NEAR END OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.	4	46	46 Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED	4	225	225 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED.	3	140	140 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	46	0	0	0	46 Feet
515	Steel Protective Coating	365	0	0	165	200 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.375" THE FULL LENGTH OF THE BEAM WITH A 3.5' LONG AREA REDUCED TO 0.25" BEGINNING 5' FROM END BENT 2. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.	4	46	46 Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED	4	200	200 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED.	3	165	165 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	46	0	0	0	46 Feet
515	Steel Protective Coating	365	0	0	110	255 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO	4	46	46 Feet

0.25" - 0.3125" THE FULL LENGTH OF THE BEAM WITH A 10.5' LONG AREA REDUCED TO 0.0625" BEGINNING 8.5' FROM THE FAR END OF THE BEAM. INSIDE THIS AREA THERE ARE THREE 2" LONG X 1" WIDE AREAS OF COMPLETE LOSS AT THE EDGE OF THE FLANGE AT 16' FROM THE FAR END. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.1875" - 0.25" FOR 30' LONG BEGINNING AT THE FAR END, AND THE REMAINING LENGTH IS REDUCED TO 0.375". THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.

515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED	4	255	255	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED	3	110	110	Square Feet

General Comments**Span 2****Beam 7****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	46	0	0	0	46 Feet
515	Steel Protective Coating	365	0	0	165	200 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.	4	46	46 Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED	4	200	200 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED	3	165	165 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	46	0	0	46	0 Feet
515	Steel Protective Coating	365	0	0	240	125 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	BOTH HALVES OF THE BOTTOM FLANGE REDUCED TO 0.5" FOR 1" WIDE THE FULL LENGTH OF THE BEAM. ORIGINAL 0.625" FLANGE.	3	46	46 Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED	4	125	125 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED	3	240	240 Square Feet

General Comments

Span 2**Beam 9****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	46	0	0	46	0 Feet
515	Steel Protective Coating	365	0	0	265	100 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION ALONG THE BOTTOM FLANGE WITH 0.0625" PITTING AND SCALE SECTION LOSS 1" WIDE ALONG THE EDGES OF BOTH FLANGES.	3	46	46 Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED	4	100	100 Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATED.	3	265	265 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	1,132	532	600	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	TRANSVERSE CRACKS AT 2' - 3' AVERAGE SPACING.	2	600	600 Square 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	47	46	0	0	1 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
332	Damage	PANEL BOARD AT THE FAR END OF THE RAIL IS MISSING. A PRIORITY MAINTENANCE IS REQUESTED.	4	1	1 Feet

General Comments

Span 2**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet

General Comments

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet

General Comments**Span 2 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet

General Comments**Span 2 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet

General Comments

Span 2**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet
General Comments					

Span 2**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet
General Comments					

Span 2**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet
General Comments					

Span 2**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Inspection Date: 10/19/2017

General Comments

Span 2	Near Bearing
Other Bearing	

General Comments

Span 2	Far Bearing
Other Bearing	

General Comments

Span 2	Near Bearing
Other Bearing	

General Comments

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet

General Comments

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet

General Comments

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet

General Comments

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **600022**Inspection Date: **10/19/2017**

316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1	Square Feet
General Comments						

Span 2 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet
General Comments					

Span 2 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet
General Comments					

Span 2 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each
515	Steel Protective Coating	1	0	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	CORROSION WITH 0.125" - 0.1875" LOSS OF SECTION OVER THE ENTIRE SURFACE. THE ANCHOR BOLT AND NUT HAVE 50% LOSS OF SECTION.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED.	4	1	1 Square Feet
General Comments					

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
220	Reinforced Concrete Pile Cap/Footing	26	26	0	0	0 Feet

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

FOOTING IS NOT VISIBLE.

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	45	0	24	21	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
215	Delamination/Spall	3' LONG X 2' HIGH X 5" DEEP PATCH UNDERNEATH BEAM 4 CRACKED AND BREAKING OUT.	3	3	6 Feet
215	Delamination/Spall	3' LONG X 8" HIGH X 3" DEEP DELAMINATION IN THE BRIDGE SEAT AT THE RIGHT END OF THE ABUTMENT.	3	3	3 Feet
215	Delamination/Spall	FULL HEIGHT VERTICAL CRACK WITH A 2' WIDE X 3' HIGH DELMAINTION UNDERNEATH BEAM 5.	3	2	6 Feet
215	Efflorescence/Rust Staining	13' LONG X 1' HIGH AREA WITH MULTIPLE HORIZONTAL CRACKS WITH EFFLORESCENCE BUILDUP THROUGH THE SOUTH EAST WINGWALL PORTION OF THE ABUTMENT.	3	13	13 Feet
215	Exposed Rebar	4' LONG X 2' HIGH X 5" DEEP DELAMINATION WITH 1 VERTICAL STEEL BAR EXPOSED AND BEGINNING TO CORRODE UNDERNEATH BAY 7.	2	4	8 Feet
215	Patched Area	THE BACKWALL HAS BEEN PATCHED WITH PLYWOOD FORMS LEFT IN PLACE THE FULL LENGTH OF THE CAP. THE BRIDGE SEAT ALSO HAS A 1' HIGH X FULL LENGTH PATCH.	2	20	Feet

General Comments**End Bent 2****Abutment****Reinforced Concrete Abutment**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
215	Reinforced Concrete Abutment	45	36	0	9	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
215	Delamination/Spall	3' WIDE X 3' HIGH X 4" DEEP DELAMINATION IN THE BREASTWALL AT THE RIGHT END NEAR THE BREAKBACK.	3	3	3 Feet
215	Delamination/Spall	6' LONG X 1' HIGH X 4" DEEP DELAMINATION AT THE RIGHT END, THROUGH THE WINGWALL PORTION OF THE ABUTMENT.	3	6	6 Feet

General Comments

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Timber Deck	Timber Deck	1176
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	46
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	46
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	46
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	46
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	46
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	46
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	46
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	46
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	46
Span 1	Left Bridge Rail	Timber Rail	Timber Bridge Railing	47
Span 1	Right Bridge Rail	Timber Rail	Timber Bridge Railing	47
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1129
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Deck	Timber Deck	Timber Deck	1178
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	46
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	46
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	46
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	46
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	46
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	46
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	46
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	46
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	46
Span 2	Left Bridge Rail	Timber Rail	Timber Bridge Railing	47
Span 2	Right Bridge Rail	Timber Rail	Timber Bridge Railing	47
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1132
Span 2	Near Bearing	Other Bearing	Other Bearings	1

Elements Verified

Location	Name	Component	Element Name	Amount
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	26
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Abutment	Reinforced Concrete Abutment	Masonry Abutments	45
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	45
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	45
End Bent 2	Abutment	Reinforced Concrete Abutment	Masonry Abutments	45

General Inspection Notes

Bent 1

FOOTING IS NOT VISIBLE.

National Bridge and NC Inspection Items

Structure Number: 600022

Inspection Date: 10/19/2017

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	7
Item 59: Superstructure	0 - 9 , N	4
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	6

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	2354	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		0	3350
Field Scour Evaluation		L		
Drift	G, F, P, or C	G	0	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	10		
Superstructure Paint Code		U		

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	18
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Y
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: 600022

Inspection Date: 10/19/2017

Item	Superstructure - Item 59	Grade	4	Maint Code		Qty.	0
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Details GRADED 4 DUE TO BEAM CORROSION WITH SECTION LOSS

Item	Priority Maintenance Issued	Grade	Y	Maint Code		Qty.	0
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Details PANEL BOARD, WEIGHT LIMIT SIGN, ABUTMENT, BEAMS

Item	Presently Posted	Grade	Y	Maint Code		Qty.	0
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Details SV-24, TTST-29

Item	Deck Debris	Grade	F	Maint Code	3376	Qty.	2354
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Details 2' WIDE X 2" DEEP DEBRIS ALONG THE FULL LENGTH OF THE LEFT WHEELGUARD.



THE SOUTH APPROACH WEIGHT LIMIT SIGN IS OBSTRUCTED BY TREE LIMBS AND IS NOT LEGIBLE TO TRAFFIC. A PRIORITY MAINTENANCE IS REQUESTED.



2' WIDE X 2" DEEP DEBRIS ALONG THE FULL LENGTH OF THE LEFT WHEELGUARD.



Span 1 Wearing Surface: TRANSVERSE CRACKS AT 2' - 3' AVERAGE SPACING.



Span 1 Beam 1: RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5" THE FULL LENGTH OF THE BEAM WITH A 15" LONG AREA REDUCED TO 0.25" AT 7' FROM THE NEAR END OF THE BEAM AND AN 18" LONG AREA REDUCED TO 0.25" AT 18' FROM THE NEAR END. THE LEFT HALF OF THE BOTTOM FLANGE HAS FRECKLED RUST THE FULL LENGTH. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.



Span 1 Beam 1: RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5" THE FULL LENGTH OF THE BEAM WITH A 15" LONG AREA REDUCED TO 0.25" AT 7' FROM THE NEAR END OF THE BEAM AND AN 18" LONG AREA REDUCED TO 0.25" AT 18' FROM THE NEAR END. THE LEFT HALF OF THE BOTTOM FLANGE HAS FRECKLED RUST THE FULL LENGTH. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.



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Span 1 Beam 2: BOTH HALVES OF THE BOTTOM FLANGE ARE REDUCED TO 0.4375" - 0.5" FOR 1" WIDE THE ENTIRE LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.



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Span 1 Beam 3: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. RIGHT FLANGE HAS SIMILAR LOSS WITH AN 8.5' LONG AREA REDUCED TO 0.25" AT 6.917' FROM END BENT 1. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 2" OF THE WEB IS REDUCED TO 0.3125" - 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.



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Span 1 Beam 4: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.4375" - 0.5" THE FULL LENGTH OF THE BEAM WITH A 7.75' LONG AREA REDUCED TO 0.375" BEGINNING AT THE NEAR END OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.25" - 0.3125" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.



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Span 1 Beam 5: THE LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.25" FOR 20.5' BEGINNING AT THE NEAR END, WITH A 3.75' LONG AREA REDUCED TO 0.125" AT 13' FROM THE NEAR END. REMAINING LENGTH OF THE FLANGE IS REDUCED TO 0.4375". THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.25" FOR 15' BEGINNING AT THE NEAR END WITH A 3' LONG AREA REDUCED TO 0.125" BEGINNING AT 4.5' FROM THE NEAR END. THE REMAINING LENGTH IS REDUCED TO 0.4375". THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.



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Span 1 Beam 6: FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.



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Span 1 Beam 7: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.4375" THE FULL LENGTH WITH A 3.5' LONG AREA REDUCED TO 0.0625" - 0.125" AT 12.667' FROM THE NEAR END OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.



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Span 1 Beam 8: BOTH SIDES OF THE BOTTOM FLANGE ARE REDUCED TO 0.5625" FOR 2" WIDE FROM ORIGINAL 0.625" THICKNESS. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH.



Span 1 Beam 9: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.4375" FOR 22' BEGINNING AT THE NEAR END OF THE BEAM. THE REMAINING LENGTH IS REDUCED TO 0.5625". RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5625" THE FULL LENGTH OF THE BOTTOM FLANGE. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.



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End Bent 1 Abutment/Backwall : 4' LONG X 2' HIGH X 5" DEEP DELAMINATION WITH 1 VERTICAL STEEL BAR EXPOSED AND BEGINNING TO CORRODE UNDERNEATH BAY 7.



End Bent 1 Abutment/Backwall : 3' LONG X 2' HIGH X 5" DEEP PATCH UNDERNEATH BEAM 4 CRACKED AND BREAKING OUT.



End Bent 1 Abutment/Backwall : FULL HEIGHT VERTICAL CRACK WITH A 2' WIDE X 3' HIGH DELMAINTION UNDERNEATH BEAM 5.



End Bent 1 Abutment/Backwall : 3' LONG X 8" HIGH X 3" DEEP DELAMINATION IN THE BRIDGE SEAT AT THE RIGHT END OF THE ABUTMENT.



End Bent 1 Abutment/Backwall : 13' LONG X 1' HIGH AREA WITH MULTIPLE HORIZONTAL CRACKS WITH EFFLORESCENCE BUILDUP THROUGH THE SOUTH EAST WINGWALL PORTION OF THE ABUTMENT.



End Bent 1 Abutment/Backwall : THE BACKWALL HAS BEEN PATCHED WITH PLYWOOD FORMS LEFT IN PLACE THE FULL LENGTH OF THE CAP.



Span 2 Beam 1: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" FOR 12" AT THE NEAR END OF THE BEAM, AND 20" AT THE FAR END OF THE BEAM. REMAINING LENGTH IS REDUCED TO 0.5625" ALONG THE OUTSIDE 1" OF THE FLANGE. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5" FOR 2.5" WIDE THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.



Span 2 Beam 1: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" FOR 12" AT THE NEAR END OF THE BEAM, AND 20" AT THE FAR END OF THE BEAM. REMAINING LENGTH IS REDUCED TO 0.5625" ALONG THE OUTSIDE 1" OF THE FLANGE. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5" FOR 2.5" WIDE THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.



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Span 2 Beam 2: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.4375" - 0.5" THE FULL LENGTH OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5625" FOR 2.5" WIDE THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.



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Span 2 Beam 3: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.375" THE FULL LENGTH OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.375" THE FULL LENGTH WITH A 2.5' LONG AREA REDUCED TO 0.1875" - 0.25" BEGINNING 17' FROM THE NEAR END OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.



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Span 2 Beam 4: LEFT HALF OF THE BOTTOM FLANGE REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM WITH A 6' LONG AREA REDUCED TO 0.1875" BEGINNING 10' FROM THE NEAR END OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" THE FULL LENGTH WITH A 6' LONG AREA REDUCED TO 0.0625" WITH MULTIPLE SAWTOOTH EDGES UP TO 3" LONG X 1.5" DEEP AT 9.5' FROM THE NEAR END OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.



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Span 2 Beam 5: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.375" THE FULL LENGTH OF THE BEAM WITH A 3.5' LONG AREA REDUCED TO 0.25" BEGINNING 5' FROM END BENT 2. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.



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Span 2 Beam 6: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.25" - 0.3125" THE FULL LENGTH OF THE BEAM WITH A 10.5' LONG AREA REDUCED TO 0.0625" BEGINNING 8.5' FROM THE FAR END OF THE BEAM. INSIDE THIS AREA THERE ARE THREE 2" LONG X 1" WIDE AREAS OF COMPLETE LOSS AT THE EDGE OF THE FLANGE AT 16' FROM THE FAR END. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.1875" - 0.25" FOR 30' LONG BEGINNING AT THE FAR END, AND THE REMAINING LENGTH IS REDUCED TO 0.375". THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.



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Span 2 Beam 7: FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.



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Span 2 Beam 8: BOTH HALVES OF THE BOTTOM FLANGE REDUCED TO 0.5" FOR 1" WIDE THE FULL LENGTH OF THE BEAM. ORIGINAL 0.625" FLANGE.



Span 2 Beam 9: CORROSION ALONG THE BOTTOM FLANGE WITH 0.0625" PITTING AND SCALE SECTION LOSS 1" WIDE ALONG THE EDGES OF BOTH FLANGES.



End Bent 2 Abutment/Backwall : 3' WIDE X 3' HIGH X 4" DEEP DELAMINATION IN THE BREASTWALL AT THE RIGHT END NEAR THE BREAKBACK.



End Bent 2 Abutment/Backwall : 6' LONG X 1' HIGH X 4" DEEP DELAMINATION AT THE RIGHT END, THROUGH THE WINGWALL PORTION OF THE ABUTMENT.



Span 2 Right Bridge Rail: PANEL BOARD AT THE FAR END OF THE RAIL IS MISSING. A PRIORITY MAINTENANCE IS REQUESTED.



NORTH APPROACH LOOKING SOUTH



WEIGHT LIMIT SIGN



LOOKING DOWNSTREAM



LOOKING UPSTREAM



SOUTH APPROACH LOOKING NORTH



END BENT 2



PIER 1



DECK UNDERSIDE



END BENT 1



TYPICAL BEARING

Stream Bed Soundings

(Profile diagram on following sheet)

County **MITCHELL**

Structure Number: **600022**

Inspection Date **10/19/2017**

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
1.500	5.900	0.000	TOP OF CAP END BENT 1
2.000	10.700	9.500	SF END BENT 1
12.000	10.700	0.000	
32.000	14.900	0.000	
45.500	15.000	15.800	PIER 1
47.000	15.000	0.000	
50.000	15.700	0.000	WSWE
54.000	15.900	0.000	STREAM
63.000	16.300	0.000	THALWEG
77.000	15.700	0.000	WSWE
84.000	11.600	0.000	
89.000	10.500	9.900	SF END BENT 2
89.500	5.900	0.000	TOP OF CAP END BENT 2
91.000	2.900	0.000	FF END BENT 2

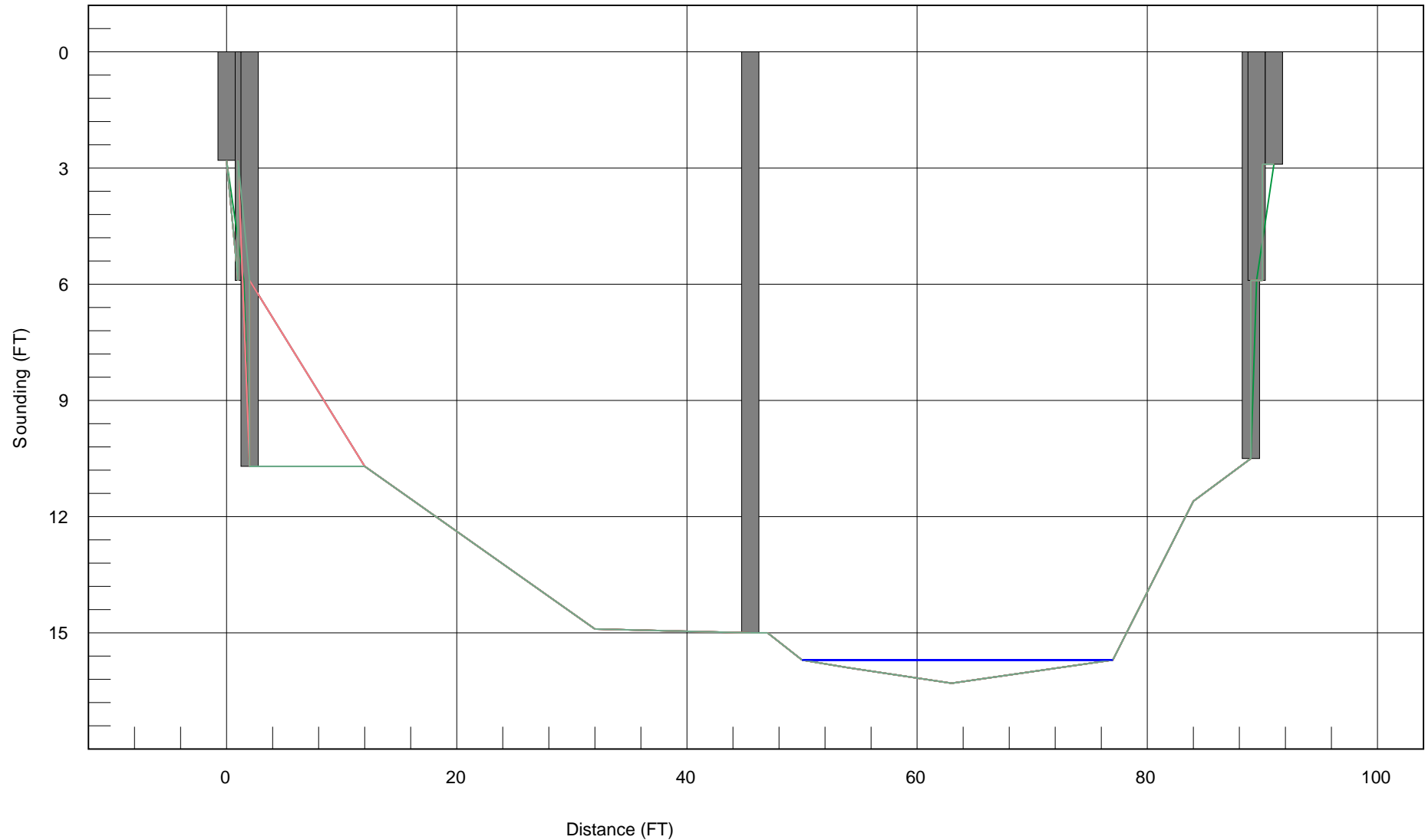
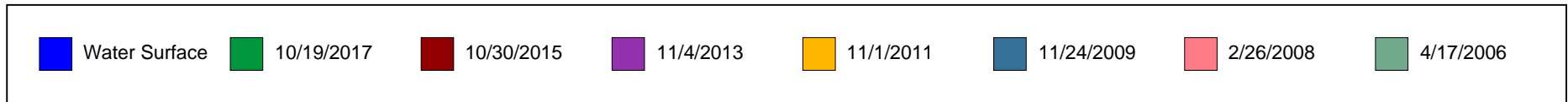
Bridge: 600022

County: MITCHELL

Date: 10/19/2017

STREAMBED PROFILE (Downstream)

Top of Rail = 0FT (Sounding)



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

Run Date: 06/28/2018

IDENTIFICATION					
(1) STATE NAME -NORTH CAROLINA	BRIDGE	600022	SUFFICIENCY RATING =		32.71
(8) STRUCTURE NUMBER(FEDERAL)	000000001210022	STATUS =		Structurally Deficient	
(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 - BIG ROCK CREEK		(104)HIGHWAY SYSTEM Is not on NHS		0	
(7) FACILITY CARRIED SR1325		(26) FUNCTIONAL CLASS - Local		09	
(9) LOCATION .05 MI.N.JCT.NC226		(100)STRAHNET HIGHWAY - Not a STRAHNET Route		0	
(11)MILEPOINT	0	(101)PARALLEL STRUCTURE - No Parallel Structure		N	
(16)LAT 36° 3' 57.32" (17)LONG 82° 12' 46.97"		(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: Steel					
TYPE - Stringer Mutlibeam or Girder	CODE	302			
(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		4
(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 - Load Factor		1
			(64) OPERATING RATING - HS-13		23
			(65) INVENTORY RATING METHOD - Load Factor		1
			(66) INVENTORY RATING - HS-8		14
			(70) BRIDGE POSTING - Posting Required		0
			(41) STRUCTURE OPEN, POSTED ,OR CLOSED		P
			DESCRIPTION - Posted for Load		
AGE AND SERVICE				APPRAISAL	
(27) YEAR BUILT		1968	(67) STRUCTURAL EVALUATION		4
(106)YEAR RECONSTRUCTED			(68) DECK GEOMETRY		4
(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		6
(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		5 MI	PROPOSED IMPROVEMENTS		
GEOMETRIC DATA					
(48) LENGTH OF MAXIMUM SPAN		44 FT	(75) TYPE OF WORK -		CODE
(49) STRUCTURE LENGTH		92 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		24.5 FT	(95) ROADWAY IMPROVEMENT COST		
(52) DECK WIDTH OUT TO OUT		25.5 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 15° (35) STRUCTURE FLARED		0	INSPECTIONS		
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT	(90) INSPECTION DATE		10/19/2017
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		24.5 FT	(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE
(53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9 FT	A) FRACTURE CRIT DETAIL - NO		A)
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad		0 FT	B) UNDERWATER INSP - NO		B)
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad		000 FT	C) OTHER SPECIAL INSP NO		C)
(56) MIN LAT UNDERCLEAR LT REF -		000 FT	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: 06/28/2018

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
MITCHELL	13	1	600022	92	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
SR1325	BIG ROCK CREEK

LOCATED :	BRIDGE NAME :	CITY :
.05 MI.N.JCT.NC226		

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 :
1968	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :		
	BMU	5.8851	TAN	75	ON 2	UNDER	0

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT	HC 0 FT		14 FT		1		FT

SUPERSTRUCTURE : TIMBER FLOOR ON I-BEAMS

SUBSTRUCTURE : ABUTMENTS&PIER:YOUNT MASONRY

SPANS : 1 @ 46'-1,1 @ 46'-2

BEAMS OR GIRDERS : 7 LINES 27 I-BEAMS & 2 LINES 24 I-BEAMS @ 2'-11 CTS.

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8 TIM/5" AWS		25.5 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
24.5 FT	25.167 FT	LT .3 FT RT .3 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :	TTST	DATE
HS-8	HS-13	int bm	SV 18	21	06/25/2018

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

UNDER ROUTES AND CLEARANCES

REMARKS :





BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 600022

County MITCHELL

Date: 10/19/2017

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 2910	Manual Brush and Tree Control	LF	5	THE SOUTH APPROACH WEIGHT LIMIT SIGN IS OBSTRUCTED BY TREE LIMBS AND IS NOT LEGIBLE TO TRAFFIC. A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	46	Span 1 Beam 1: RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5" THE FULL LENGTH OF THE BEAM WITH A 15" LONG AREA REDUCED TO 0.25" AT 7' FROM THE NEAR END OF THE BEAM AND AN 18" LONG AREA REDUCED TO 0.25" AT 18' FROM THE NEAR END. THE LEFT HALF OF THE BOTTOM FLANGE HAS FRECKLED RUST THE FULL LENGTH. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	46	Span 1 Beam 2: BOTH HALVES OF THE BOTTOM FLANGE ARE REDUCED TO 0.4375" - 0.5" FOR 1" WIDE THE ENTIRE LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	46	Span 1 Beam 3: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. RIGHT FLANGE HAS SIMILAR LOSS WITH AN 8.5' LONG AREA REDUCED TO 0.25" AT 6.917' FROM END BENT 1. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 2" OF THE WEB IS REDUCED TO 0.3125" - 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS 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: 600022

County MITCHELL

Date: 10/19/2017

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	46	Span 1 Beam 4: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.4375" - 0.5" THE FULL LENGTH OF THE BEAM WITH A 7.75' LONG AREA REDUCED TO 0.375" BEGINNING AT THE NEAR END OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.25" - 0.3125" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	46	Span 1 Beam 5: THE LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.25" FOR 20.5' BEGINNING AT THE NEAR END, WITH A 3.75' LONG AREA REDUCED TO 0.125" AT 13' FROM THE NEAR END. REMAINING LENGTH OF THE FLANGE IS REDUCED TO 0.4375". THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.25" FOR 15' BEGINNING AT THE NEAR END WITH A 3' LONG AREA REDUCED TO 0.125" BEGINNING AT 4.5' FROM THE NEAR END. THE REMAINING LENGTH IS REDUCED TO 0.4375". THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	46	Span 1 Beam 6: FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS 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: 600022

County MITCHELL

Date: 10/19/2017

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	46	Span 1 Beam 7: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.4375" THE FULL LENGTH WITH A 3.5' LONG AREA REDUCED TO 0.0625" - 0.125" AT 12.667' FROM THE NEAR END OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	46	Span 1 Beam 9: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.4375" FOR 22' BEGINNING AT THE NEAR END OF THE BEAM. THE REMAINING LENGTH IS REDUCED TO 0.5625". RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5625" THE FULL LENGTH OF THE BOTTOM FLANGE. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	46	Span 2 Beam 1: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" FOR 12" AT THE NEAR END OF THE BEAM, AND 20" AT THE FAR END OF THE BEAM. REMAINING LENGTH IS REDUCED TO 0.5625" ALONG THE OUTSIDE 1" OF THE FLANGE. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5" FOR 2.5" WIDE THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. 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: 600022

County MITCHELL

Date: 10/19/2017

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	46	Span 2 Beam 2: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.4375" - 0.5" THE FULL LENGTH OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5625" FOR 2.5" WIDE THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	46	Span 2 Beam 3: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.375" THE FULL LENGTH OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.375" THE FULL LENGTH WITH A 2.5' LONG AREA REDUCED TO 0.1875" - 0.25" BEGINNING 17' FROM THE NEAR END OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	46	Span 2 Beam 4: LEFT HALF OF THE BOTTOM FLANGE REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM WITH A 6' LONG AREA REDUCED TO 0.1875" BEGINNING 10' FROM THE NEAR END OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" THE FULL LENGTH WITH A 6' LONG AREA REDUCED TO 0.0625" WITH MULTIPLE SAWTOOTH EDGES UP TO 3" LONG X 1.5" DEEP AT 9.5' FROM THE NEAR END OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. 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: 600022

County MITCHELL

Date: 10/19/2017

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	46	Span 2 Beam 5: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.375" THE FULL LENGTH OF THE BEAM WITH A 3.5' LONG AREA REDUCED TO 0.25" BEGINNING 5' FROM END BENT 2. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	46	Span 2 Beam 6: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.25" - 0.3125" THE FULL LENGTH OF THE BEAM WITH A 10.5' LONG AREA REDUCED TO 0.0625" BEGINNING 8.5' FROM THE FAR END OF THE BEAM. INSIDE THIS AREA THERE ARE THREE 2" LONG X 1" WIDE AREAS OF COMPLETE LOSS AT THE EDGE OF THE FLANGE AT 16' FROM THE FAR END. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.1875" - 0.25" FOR 30' LONG BEGINNING AT THE FAR END, AND THE REMAINING LENGTH IS REDUCED TO 0.375". THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.	
 3314	Maintain Steel Superstructure Components	LF	46	Span 2 Beam 7: FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. 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: 600022

County MITCHELL

Date: 10/19/2017

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	1	Span 2 Right Bridge Rail: PANEL BOARD AT THE FAR END OF THE RAIL IS MISSING. A PRIORITY MAINTENANCE IS REQUESTED.	
3350	Maint R C Wings and Walls	SF	13	End Bent 1 Abutment/Backwall : 13' LONG X 1' HIGH AREA WITH MULTIPLE HORIZONTAL CRACKS WITH EFFLORESCENCE BUILDUP THROUGH THE SOUTH EAST WINGWALL PORTION OF THE ABUTMENT.	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 600022

County MITCHELL

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

MMS Code	MMS Description	Quantity
2910	Manual Brush and Tree Control	5 LF
Location:		
Slope	Bent/Span No. 1	WEIGHT LIMIT SIGN
Priority Level	Status	
Critical Finding	Analysis Notification	
Submitted Date:	Submitted By:	Assisted By:
10/19/2017	JOSEPH HUNTSINGER	DENNIS WILSON
Details		
THE SOUTH APPROACH WEIGHT LIMIT SIGN IS OBSTRUCTED BY TREE LIMBS AND IS NOT LEGIBLE TO TRAFFIC. A PRIORITY MAINTENANCE IS REQUESTED.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 600022

County MITCHELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	46 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 1 Beam 1: RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5" THE FULL LENGTH OF THE BEAM WITH A 15" LONG AREA REDUCED TO 0.25" AT 7' FROM THE NEAR END OF THE BEAM AND AN 18" LONG AREA REDUCED TO 0.25" AT 18' FROM THE NEAR END. THE LEFT HALF OF THE BOTTOM FLANGE HAS FRECKLED RUST THE FULL LENGTH. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 600022

County MITCHELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	46 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 1 Beam 2: BOTH HALVES OF THE BOTTOM FLANGE ARE REDUCED TO 0.4375" - 0.5" FOR 1" WIDE THE ENTIRE LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.</p>		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	46 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 1 Beam 3: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. RIGHT FLANGE HAS SIMILAR LOSS WITH AN 8.5' LONG AREA REDUCED TO 0.25" AT 6.917' FROM END BENT 1. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 2" OF THE WEB IS REDUCED TO 0.3125" - 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 600022

County MITCHELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	46 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 1 Beam 4: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.4375" - 0.5" THE FULL LENGTH OF THE BEAM WITH A 7.75' LONG AREA REDUCED TO 0.375" BEGINNING AT THE NEAR END OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.25" - 0.3125" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 600022

County MITCHELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	46 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 1 Beam 5: THE LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.25" FOR 20.5' BEGINNING AT THE NEAR END, WITH A 3.75' LONG AREA REDUCED TO 0.125" AT 13' FROM THE NEAR END. REMAINING LENGTH OF THE FLANGE IS REDUCED TO 0.4375". THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.25" FOR 15' BEGINNING AT THE NEAR END WITH A 3' LONG AREA REDUCED TO 0.125" BEGINNING AT 4.5' FROM THE NEAR END. THE REMAINING LENGTH IS REDUCED TO 0.4375". THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 600022

County MITCHELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	46 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
Span 1 Beam 6: FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	46 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
Span 1 Beam 7: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.4375" THE FULL LENGTH WITH A 3.5' LONG AREA REDUCED TO 0.0625" - 0.125" AT 12.667' FROM THE NEAR END OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. LOWER 1.5" OF THE WEB IS REDUCED TO 0.375". ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 600022

County MITCHELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	46 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 1 Beam 9: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.4375" FOR 22' BEGINNING AT THE NEAR END OF THE BEAM. THE REMAINING LENGTH IS REDUCED TO 0.5625". RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5625" THE FULL LENGTH OF THE BOTTOM FLANGE. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH. 0.4375" WEB AND 0.625" FLANGE THICKNESS A PRIORITY MAINTENANCE IS REQUESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 600022

County MITCHELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	46 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 2 Beam 1: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" FOR 12" AT THE NEAR END OF THE BEAM, AND 20" AT THE FAR END OF THE BEAM. REMAINING LENGTH IS REDUCED TO 0.5625" ALONG THE OUTSIDE 1" OF THE FLANGE. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5" FOR 2.5" WIDE THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 600022

County MITCHELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	46 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
Span 2 Beam 2: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.4375" - 0.5" THE FULL LENGTH OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.5625" FOR 2.5" WIDE THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	46 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
Span 2 Beam 3: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.375" THE FULL LENGTH OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.375" THE FULL LENGTH WITH A 2.5' LONG AREA REDUCED TO 0.1875" - 0.25" BEGINNING 17' FROM THE NEAR END OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 600022

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	46 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 2 Beam 4: LEFT HALF OF THE BOTTOM FLANGE REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM WITH A 6' LONG AREA REDUCED TO 0.1875" BEGINNING 10' FROM THE NEAR END OF THE BEAM. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" THE FULL LENGTH WITH A 6' LONG AREA REDUCED TO 0.0625" WITH MULTIPLE SAWTOOTH EDGES UP TO 3" LONG X 1.5" DEEP AT 9.5' FROM THE NEAR END OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 600022

County MITCHELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	46 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 2 Beam 5: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.375" THE FULL LENGTH OF THE BEAM WITH A 3.5' LONG AREA REDUCED TO 0.25" BEGINNING 5' FROM END BENT 2. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 600022

County MITCHELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	46 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
<p>Span 2 Beam 6: LEFT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.25" - 0.3125" THE FULL LENGTH OF THE BEAM WITH A 10.5' LONG AREA REDUCED TO 0.0625" BEGINNING 8.5' FROM THE FAR END OF THE BEAM. INSIDE THIS AREA THERE ARE THREE 2" LONG X 1" WIDE AREAS OF COMPLETE LOSS AT THE EDGE OF THE FLANGE AT 16' FROM THE FAR END. THE RIGHT HALF OF THE BOTTOM FLANGE IS REDUCED TO 0.1875" - 0.25" FOR 30' LONG BEGINNING AT THE FAR END, AND THE REMAINING LENGTH IS REDUCED TO 0.375". THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 600022

County MITCHELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	46 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
Span 2 Beam 7: FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 0.3125" - 0.375" THE FULL LENGTH OF THE BEAM. THE TOP FLANGE IS REDUCED TO 0.375" - 0.4375" THE FULL LENGTH OF THE BEAM. ORIGINAL 0.4375" WEB AND 0.625" FLANGE THICKNESS. A PRIORITY MAINTENANCE IS REQUESTED.		

MMS Code	MMS Description	Quantity
3316	Maint to Timber Handrail	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
Span 2 Right Bridge Rail: PANEL BOARD AT THE FAR END OF THE RAIL IS MISSING. A PRIORITY MAINTENANCE IS REQUESTED.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 600022

County MITCHELL

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

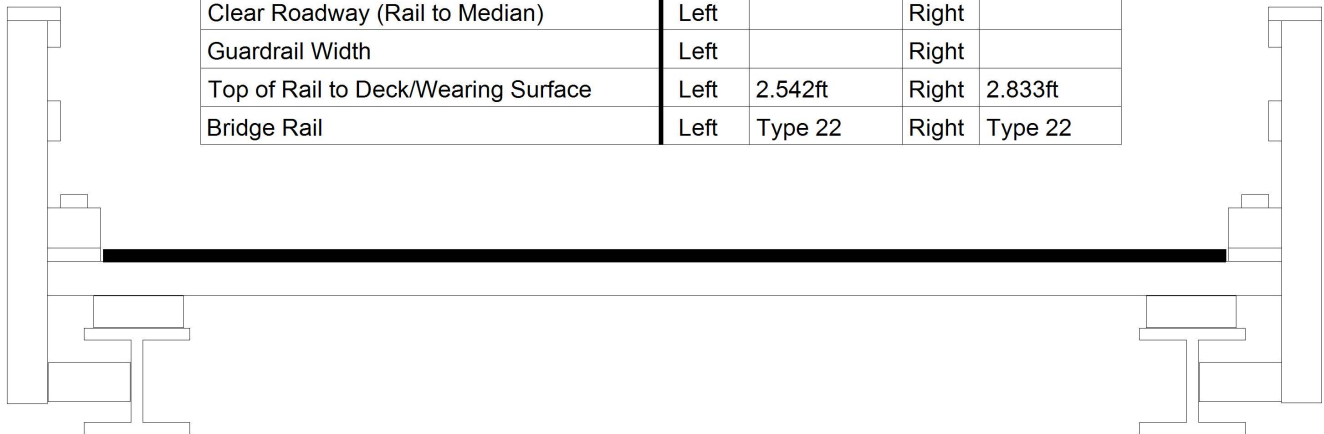
MMS Code	MMS Description	Quantity
3350	Maint R C Wings and Walls	13 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
10/23/2017	JOSEPH HUNTSINGER	
Details		
End Bent 1 Abutment/Backwall : 13' LONG X 1' HIGH AREA WITH MULTIPLE HORIZONTAL CRACKS WITH EFFLORESCENCE BUILDUP THROUGH THE SOUTH EAST WINGWALL PORTION OF THE ABUTMENT.		



THE SOUTH APPROACH WEIGHT LIMIT SIGN IS OBSTRUCTED BY TREE LIMBS AND IS NOT LEGIBLE TO TRAFFIC. A PRIORITY MAINTENANCE IS REQUESTED.

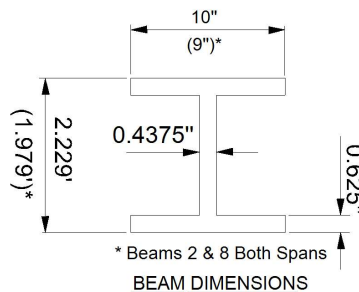
Bridge Inspection Field Sketch

Deck Width/Out to Out	25.5ft	Between Rails				25.167ft
Clear Roadway	24.5ft	Wearing Surface				0.417ft
Median Width		Median Height				
Curb Height		Left	0.333ft	Right	0.333ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left		Right		
Top of Rail to Deck/Wearing Surface		Left	2.542ft	Right	2.833ft	
Bridge Rail		Left	Type 22	Right	Type 22	



Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	1.083
Top of Rail to Bottom of Beam	5.958	Right Overhang	1.083

Beam Number	Beam Type	Spacing
1 thru 9	Steel I Beam	2.917ft



10/19/17 - J.C.HUNTSINGER

Title		Description	
Typical Section		Data Worksheet	
Bridge No: 600022	Drawn By: Roy W. Shook	Date: 02/26/2008	File Name: S0106001066

Bridge Inspection Field Sketch



75' NORTH OF THE BRIDGE

Roadway	16.917ft Wide	2 Paved Lanes	Looking North
Left Shoulder	0.5ft Wide	0.5ft Paved	
Right Shoulder	0.5ft Wide	0.5ft Paved	
Left Guardrail			
Right Guardrail			

REDRAWN 10/19/17 - J.C.HUNTSINGER

Title

Approach Roadway

Description

Data Worksheet

Bridge No: 600022

Drawn By: D.D.H.

Date: 02/26/2008

File Name: S0106001065

Bridge Inspection Field Sketch

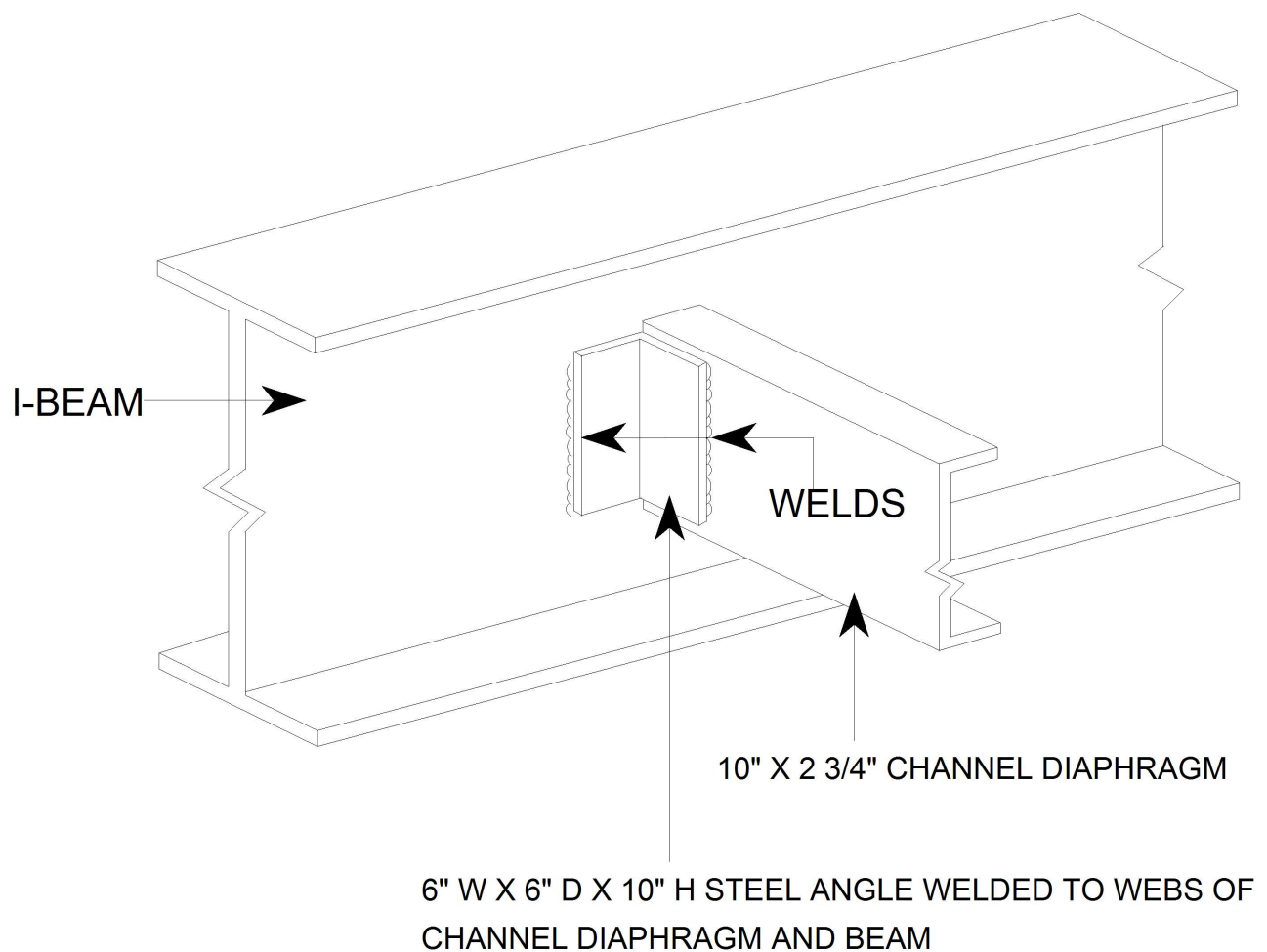
Cap Information			Material Cast-in-Place Concrete							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.		Right Beam to End of Cap.			
25.917 ft.	2.042 ft.	2.500 ft.	12.958 ft.	12.958 ft.	1.000 ft.		1.000 ft.			
Subcap Information			Material							
Length	Width	Height	Left Overhang	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	Concrete		25.417 ft.	1.5 ft.		Vertical	No	No	No	No
Bent/Abutment #:			1 Similar Bents:							

Title 10/19/17 - J.C.HUNTSINGER PIER 1		Description SUBSTRUCTURE DETAILS	
Bridge No: 600022	Drawn By: DELVIN ADAMS	Date: 11/4/2013	File Name: S0102001577

Bridge Inspection Field Sketch

DIAPHRAGM DETAILS

LOCATIONS: 1/3 POINTS OF SPANS



10/19/17 - J.C.HUNTSINGER

Title		Description	
INTERMEDIATE DIAPHRAGMS		DIAPHRAGM DETAILS	
Bridge No:	600022	Drawn By:	DELVIN ADAMS
Date:	11/4/2013	File Name:	S0102001578

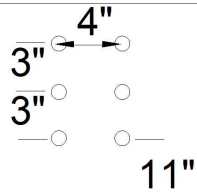
Bridge Inspection Field Sketch

BEAM WEB HOLES

SPANS #1 & 2, BEAMS # 3 - 7

ALL HOLES ARE 3/4" DRILLED

15' 8"



ABUT 1
/PIER 1

10/19/17 - J.C.HUNTSINGER

Title

BEAM WEB HOLES

Description

DRILLED HOLES IN BEAM WEBS

Bridge No: 600022

Drawn By: DELVIN ADAMS

Date: 11/4/2013

File Name: S0102001579