NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINT AND TEMP REPAIRS TO BEAMS/CAPS/PILE IN PAST

Structure Safety Report

Routine Element Inspection

COUNTY: CLEVELAND **STRUCTURE NUMBER:** 220067 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: SR2245 **MILE POST:**

LOCATION: 0.2 MI. N. JCT. SR2247

FEATURE INTERSECTED: BEASON CREEK

LATITUDE: 35° 14' 0.09" **LONGITUDE:** 81° 25' 54.98"

SUPERSTRUCTURE: TIMBER DECK ON I-BEAMS

SUBSTRUCTURE: END & INTERIOR BENTS:TIMBER CAPS & PILES,TIMBER BULKHEADS

SPANS: 1@25''0", 2@25''4"

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

PRESENT CONDITION: Poor **INSPECTION DATE:** 01/08/2015

POSTED SV: 14 **POSTED TTST:** 20

OTHER SIGNS PRESENT: (4) DELINEATORS



SOUTH APPROACH

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

INSPECTED BY	SIGNATURE	ASSISTED BY
derek rickus		eric patterson

Span Element Report

Structure Number: 220067 Inspection Date: 01/08/2015

Span Number 1 **Span Length** 25 Feet **Number of Beams/Girders:** 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
31		Timber Deck	634	634	0	0	0	0	3324
107		Steel Open Girder/Beam	250	59	0	0	191	191	3314
515	107	Steel Protective Coating	1030	0	0	0	1030	1030	3342
216		Timber Abutment	37	9	0	4	24	28	3346
228		Timber Pile	5	5	0	0	0	0	3344
235		Timber Pier Cap	27	27	0	0	0	0	3344
332		Timber Bridge Railing	50	0	50	0	0	50	3316
515	332	Steel Protective Coating	100	0	0	100	0	100	3342
510		Wearing Surface	609	209	0	400	0	400	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 2 **Span Length** 25.33 Feet **Number of Beams/Girders:** 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
31		Timber Deck	642	642	0	0	0	0	3324
107		Steel Open Girder/Beam	260	129	0	0	131	131	3314
515	107	Steel Protective Coating	1050	0	0	0	1050	1050	3342
228		Timber Pile	5	5	0	0	0	0	3344
235		Timber Pier Cap	27	27	0	0	0	0	3344
332		Timber Bridge Railing	52	0	52	0	0	52	3316
515	332	Steel Protective Coating	102	0	0	102	0	102	3342
510		Wearing Surface	617	205	0	400	12	412	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Span Number 3 **Span Length** 25.33 Feet **Number of Beams/Girders:** 10

Element Number	Parent Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code
31		Timber Deck	642	642	0	0	0	0	3324
107		Steel Open Girder/Beam	260	130	0	0	130	130	3314
515	107	Steel Protective Coating	1050	0	0	0	1050	1050	3342
216		Timber Abutment	38	18	20	0	0	20	3346
228		Timber Pile	10	9	0	1	0	1	3344
235		Timber Pier Cap	55	55	0	0	0	0	3344
332		Timber Bridge Railing	52	0	52	0	0	52	3316
515	332	Steel Protective Coating	102	0	0	102	0	102	3342
510		Wearing Surface	617	417	0	200	0	200	2816

"Near" Approach and Substructure quantities have been include for reporting purposes. The last span will also include End Bent 2 and Far Approach quantities where applicable

Superstructure Detailed Element Quantites

Structure Number: 220067 Inspection Date: 01/08/2015

Span Number 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Deck	1	31	Timber Deck	634	634	0	0	0	0	3324	☐ Requested
Protective System		515	Steel Protective Coating	634	634	0	0	0	0	3342	
☑ Bridge Rail	1	332	Timber Bridge Railing	25	0	25	0	0	25	3316	☐ Requested
Protective System		515	Steel Protective Coating	50	0	0	50	0	50	3342	
☑ Bridge Rail	2	332	Timber Bridge Railing	25	0	25	0	0	25	3316	☐ Requested
Protective System		515	Steel Protective Coating	50	0	0	50	0	50	3342	
☑ Wearing Surfaces		510	Wearing Surface	609	209	0	400	0	400	2816	☐ Requested
☑ Beam	1	107	Steel Open Girder/Beam	25	6	0	0	19	19	3314	☑ Requested
Protective System		515	Steel Protective Coating	103	0	0	0	103	103	3342	
☑ Beam	2	107	Steel Open Girder/Beam	25	6	0	0	19	19	3314	☑ Requested
Protective System		515	Steel Protective Coating	103	0	0	0	103	103	3342	
☑ Beam	3	107	Steel Open Girder/Beam	25	6	0	0	19	19	3314	☑ Requested
Protective System		515	Steel Protective Coating	103	0	0	0	103	103	3342	
☑ Beam	4	107	Steel Open Girder/Beam	25	7	0	0	18	18	3314	☑ Requested
Protective System		515	Steel Protective Coating	103	0	0	0	103	103	3342	
☑ Beam	5	107	Steel Open Girder/Beam	25	7	0	0	18	18	3314	☑ Requested
Protective System		515	Steel Protective Coating	103	0	0	0	103	103	3342	
☑ Beam	6	107	Steel Open Girder/Beam	25	7	0	0	18	18	3314	☑ Requested
Protective System		515	Steel Protective Coating	103	0	0	0	103	103	3342	
☑ Beam	7	107	Steel Open Girder/Beam	25	7	0	0	18	18	3314	☑ Requested
Protective System		515	Steel Protective Coating	103	0	0	0	103	103	3342	
☑ Beam	8	107	Steel Open Girder/Beam	25	5	0	0	20	20	3314	☑ Requested
Protective System		515	Steel Protective Coating	103	0	0	0	103	103	3342	
☑ Beam	9	107	Steel Open Girder/Beam	25	3	0	0	22	22	3314	☑ Requested
Protective System		515	Steel Protective Coating	103	0	0	0	103	103	3342	
☑ Beam	10	107	Steel Open Girder/Beam	25	5	0	0	20	20	3314	☑ Requested
Protective System		515	Steel Protective Coating	103	0	0	0	103	103	3342	

Structure Number: 220067 Inspection Date: 01/08/2015

Span Number 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Deck	1	31	Timber Deck	642	642	0	0	0	0	3324	☐ Requested
Protective System		515	Steel Protective Coating	642	642	0	0	0	0	3342	
☑ Bridge Rail	1	332	Timber Bridge Railing	26	0	26	0	0	26	3316	☐ Requested
Protective System		515	Steel Protective Coating	51	0	0	51	0	51	3342	
☑ Bridge Rail	2	332	Timber Bridge Railing	26	0	26	0	0	26	3316	☐ Requested
Protective System		515	Steel Protective Coating	51	0	0	51	0	51	3342	
☑ Wearing Surfaces		510	Wearing Surface	617	205	0	400	12	412	2816	☐ Requested
☑ Beam	1	107	Steel Open Girder/Beam	26	12	0	0	14	14	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	2	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	3	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	4	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	5	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	6	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	7	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	8	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	9	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	10	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	

Structure Number: 220067 Inspection Date: 01/08/2015

Span Number 3

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Deck	1	31	Timber Deck	642	642	0	0	0	0	3324	☐ Requested
Protective System		515	Steel Protective Coating	642	642	0	0	0	0	3342	
☑ Bridge Rail	1	332	Timber Bridge Railing	26	0	26	0	0	26	3316	☐ Requested
Protective System		515	Steel Protective Coating	51	0	0	51	0	51	3342	
☑ Bridge Rail	2	332	Timber Bridge Railing	26	0	26	0	0	26	3316	☐ Requested
Protective System		515	Steel Protective Coating	51	0	0	51	0	51	3342	
☑ Wearing Surfaces		510	Wearing Surface	617	417	0	200	0	200	2816	☐ Requested
☑ Beam	1	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	2	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	3	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	4	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	5	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	6	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	7	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	8	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	9	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	
☑ Beam	10	107	Steel Open Girder/Beam	26	13	0	0	13	13	3314	☑ Requested
Protective System		515	Steel Protective Coating	105	0	0	0	105	105	3342	

Superstructure Element Defect Descriptions

Structure Number: 220067 Inspection Date: 01/08/2015

Span Number 1

Span 1 **Bridge Rail** 1 **Component Name:** Timber Rail

Element: 332 **Name** Timber Bridge Railing **Qty:** 25 **Lvl 2:** 25 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 25

Defect Description:

TIMBER RAILS AND CURBING CRACKED AND WEATHERED

50 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

SCATTERED SPLITTING OF BOLSTER BLOCKS (SEE PHOTO)

Span 1 **Bridge Rail** 2 **Component Name:** Timber Rail

Element: 332 **Name** Timber Bridge Railing **Qty:** 25 **Lvl 2:** 25 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 25

Defect Description:

TIMBER RAILS AND CURBING CRACKED AND WEATHERED

50 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

SCATTERED SPLITTING OF BOLSTER BLOCKS (SEE PHOTO)

Span 1 **Wearing Surfaces** **Component Name:** Asphalt Wearing Surface

Element: 510 **Name** Wearing Surface **Qty:** 609 **Lvl 2:** 0 **Lvl 3** 400 **Lvl 4** 0 **Maint. Qty** 400

Defect Description:

400 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft.

Span 1 **Beam** 1 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 25 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 19 **Maint. Qty** 19

Defect Description:

1 Feet of Corrosion: SECTION LOSS/HOLE IN LOWER LT FLANGE AT BEAM END OVER BENT 1.

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 1 **Beam** 2 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 25 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 19 **Maint. Qty** 19

Defect Description:

SECTION LOSS/HOLES IN LOWER 2" OF WEB AT BEAM END OVER BENT 1.

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 1 **Beam** 3 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 25 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 19 **Maint. Qty** 19

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.
HOLES IN TOP 2" OF WEB FOR 1' AT APPROX MIDSPAN

Span 1 **Beam** 4 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 25 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 18 **Maint. Qty** 18

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 1 **Beam** 5 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 25 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 18 **Maint. Qty** 18

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 1 **Beam** 6 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 25 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 18 **Maint. Qty** 18

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 1 **Beam** 7 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 25 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 18 **Maint. Qty** 18

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 1 **Beam** 8 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 25 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 20 **Maint. Qty** 20

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.
KNIFE EDGE LOWER FLANGE (RT) FOR 2' FROM BEAM END OUT AT ABUT 1

Span 1 **Beam** 9 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 25 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 22 **Maint. Qty** 22

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.
KNIFE EDGE LOWER FLANGE (RT) FOR 6" AT 2' FROM ABUT 1 BEAM END
HOLES IN TOP 3' OF WEB FOR 1' AT APPROX MIDSPAN

Span 1 **Beam** 10 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 25 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 20 **Maint. Qty** 20

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.
KNIFE EDGE LOWER FLANGE (RT AND LT) FROM BEAM END EXTENDING OUT 2' AT ABUT 1

Span Number 2

Span 2 **Bridge Rail** 1 **Component Name:** Timber Rail

Element: 332 **Name** Timber Bridge Railing **Qty:** 26 **Lvl 2:** 26 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 26

Defect Description:

TIMBER RAILS AND CURBING CRACKED AND WEATHERED

51 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

SCATTERED SPLITTING OF BOLSTER BLOCKS (SEE PHOTO)

Span 2 **Bridge Rail** 2 **Component Name:** Timber Rail

Element: 332 **Name** Timber Bridge Railing **Qty:** 26 **Lvl 2:** 26 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 26

Defect Description:

TIMBER RAILS AND CURBING CRACKED AND WEATHERED

51 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

SCATTERED SPLITTING OF BOLSTER BLOCKS (SEE PHOTO)

Span 2 **Wearing Surfaces** **Component Name:** Asphalt Wearing Surface

Element: 510 **Name** Wearing Surface **Qty:** 617 **Lvl 2:** 0 **Lvl 3** 400 **Lvl 4** 12 **Maint. Qty** 412

Defect Description:

12 Square Feet of Crack (Wearing Surface): The wearing surface is no longer effective.

Span 2 **Beam** 1 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 14 **Maint. Qty** 14

Defect Description:

SECTION LOSS/HOLE IN WEB: APPROX 8"H FROM LOWER FLANGE EXTENDING UP X APPROX 1"W, AT APPROX 8' FROM BENT 2 BEAM END.
TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 2 **Beam** 2 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 2 **Beam** 3 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 2 **Beam** 4 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 2 **Beam** 5 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 2 **Beam** 6 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 2 **Beam** 7 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 2 **Beam** 8 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 2 **Beam** 9 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 2 **Beam** 10 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span Number 3

Span 3 **Bridge Rail** 1 **Component Name:** Timber Rail

Element: 332 **Name** Timber Bridge Railing **Qty:** 26 **Lvl 2:** 26 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 26

Defect Description:

TIMBER RAILS AND CURBING CRACKED AND WEATHERED

51 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

TIMBER HANDRAIL MISALIGNED AND LOOSE

SCATTERED SPLITTING OF BOLSTER BLOCKS (SEE PHOTO)

Span 3 **Bridge Rail** 2 **Component Name:** Timber Rail

Element: 332 **Name** Timber Bridge Railing **Qty:** 26 **Lvl 2:** 26 **Lvl 3** 0 **Lvl 4** 0 **Maint. Qty** 26

Defect Description:

TIMBER RAILS AND CURBING CRACKED AND WEATHERED

51 Square Feet of Effectiveness (Steel Protective Coatings): Limited effectiveness.

SCATTERED SPLITTING OF BOLSTER BLOCKS (SEE PHOTO)

Span 3 **Wearing Surfaces** **Component Name:** Asphalt Wearing Surface

Element: 510 **Name** Wearing Surface **Qty:** 617 **Lvl 2:** 0 **Lvl 3** 200 **Lvl 4** 0 **Maint. Qty** 200

Defect Description:

AWS PATCH
200 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft.

Span 3 **Beam** 1 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 3 **Beam** 2 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 3 **Beam** 3 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 3 **Beam** 4 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 3 **Beam** 5 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 3 **Beam** 6 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 3 **Beam** 7 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 3 **Beam** 8 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 3 **Beam** 9 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Span 3 **Beam** 10 **Component Name:** Plate Girder

Element: 107 **Name** Steel Open Girder/Beam **Qty:** 26 **Lvl 2:** 0 **Lvl 3** 0 **Lvl 4** 13 **Maint. Qty** 13

Defect Description:

TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.

Substructure Detailed Element Quantites

Structure Number: 220067

Inspection Date: 01/08/2015

End Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Abutments	1	216	Timber Abutment	37	9	0	4	24	28	3346	☐ Requested
☑ Caps	1	235	Timber Pier Cap	27	27	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Bent 1

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Caps	1	235	Timber Pier Cap	27	27	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Caps	1	235	Timber Pier Cap	27	27	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	2	228	Timber Pile	1	0	0	1	0	1	3344	☑ Requested
☑ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Structure Number: 220067 Inspection Date: 01/08/2015

End Bent 2

Element Location	Location Number	Element Number	Element Name	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity	Maint. Quantity	Maint. Code	Priority Maintenance
☑ Abutments	1	216	Timber Abutment	38	18	20	0	0	20	3346	☐ Requested
☑ Caps	1	235	Timber Pier Cap	28	28	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	1	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	2	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	3	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	4	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested
☑ Piles and Columns	5	228	Timber Pile	1	1	0	0	0	0	3344	☐ Requested

Substructure Element Defect Descriptions

Structure Number: 220067 Inspection Date: 01/08/2015

End Bent 1

End Bent 1	**Row** 1	**Abutments**	1										
Element: 216	**Name**	Timber Abutment		**Qty:**	37	**Lvl 2:**	0	**Lvl 3**	4	**Lvl 4**	24	**Maint. Qty**	28

Defect Description:

8 Feet of Decay/Section Loss: APPROACH ROADWAY FILL IS BEING LOST AT THE SW WING.

4 FEET OF DECAY/SECTION LOSS BETWEEN BEAMS 5-6 ALLOWING FILL TO SPILL THROUGH. SEE PHOTO.

End Bent 1	**Row** 1	**Caps**	1										
Element: 235	**Name**	Timber Pier Cap		**Qty:**	27	**Lvl 2:**	0	**Lvl 3**	0	**Lvl 4**	0	**Maint. Qty**	0

Defect Description:

27 Feet of Decay/Section Loss: None. TEMP REPAIRS TO CAP IN PAST

Bent 2	**Row** 1	**Caps**	1										
Element: 235	**Name**	Timber Pier Cap		**Qty:**	27	**Lvl 2:**	0	**Lvl 3**	0	**Lvl 4**	0	**Maint. Qty**	0

Defect Description:

27 Feet of Decay/Section Loss: None. TEMP REPAIR TO CAP IN PAST

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

Defect Description:

CONCRETE COLLAR IS UNDERMINED WITH RESTEEL EXPOSED.

End Bent 2	**Row** 1	**Abutments**	1										
Element: 216	**Name**	Timber Abutment		**Qty:**	38	**Lvl 2:**	20	**Lvl 3**	0	**Lvl 4**	0	**Maint. Qty**	20

Defect Description:

20 Feet of Decay/Section Loss: Affects less than 10% of the member section. SCATTERED MOLD/SOFTNESS.

National Bridge and NC Inspection Items

Structure Number: 220067 **Inspection Date:** 01/08/2015

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	**5**
Item 61: Channel and Channel Protection	0 - 9 , N	**7**
Item 62: Culvert	0 - 9 , N	
Item 71: Waterway Adequacy	0 - 9 , N	**7**
Item 72: Approach Roadway Alignment	0 - 9 , N	**8**

Note: If NBI Inspection Item is not present, code NBI item with "N"

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	**G**	**0**	**3376**
Drainage System	G, F, P, or C	**G**	**0**	**3332**
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C		**0**	**3352**
Wingwall	G, F, P, or C			
Scour	G, F, P, or C	**G**		
Field Scour Evaluation		**G**		
Drift	G, F, P, or C	**G**	**0**	**3366**
Fender System	G, F, P, or C		**0**	**3364**
Response to Live Load	G, F, P, or C	**5**		
Estimated Remaining Life	0 - 100 Years	**4**		

Note: If NC SMU Insepction 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	**10**
Traffic Control Time	Hours	**0**
Snooper Time	Hours	**0**
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: 220067 **Inspection Date:** 01/08/2015

Item	Grade	Maint Code	Qty.
Details			



End Bent 1 Abutment/Backwall : 8 Feet of Decay/Section Loss: The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge.



End Bent 1 Cap : TEMP REPAIRS TO CAP



Bent 2 Cap : 27 Feet of Decay/Section Loss: None.



Bent 2 Pile 2: CONCRETE COLLAR IS UNDERMINED WITH RESTEEL EXPOSED.



Span 1 Beam 1: 1 Feet of Corrosion: SECTION LOSS/HOLE IN LOWER LT FLANGE AT BEAM END OVER BENT 1.



Span 1 Beam 2: SECTION LOSS/HOLES IN LOWER 2" OF WEB AT BEAM END OVER BENT 1.



Span 2 Beam 1: SECTION LOSS/HOLE IN WEB: APPROX 8"H FROM LOWER FLANGE EXTENDING UP X APPROX 1"W, AT APPROX 8' FROM BENT 2 BEAM END.



Span 1 Beam 1: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.



Span 1 Beam 3: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 1 Beam 4: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 1 Beam 5: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 1 Beam 4: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 1 Beam 6: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 1 Beam 7: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 1 Beam 8: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 1 Beam 9: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 1 Beam 10: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 1 Beam 10: KNIFE EDGE LOWER FLANGE (RT AND LT) FROM BEAM END EXTENDING OUT 2' AT ABUT 1



Span 1 Beam 9: KNIFE EDGE LOWER FLANGE (RT) FOR 6" AT 2' FROM ABUT 1 BEAM END



Span 1 Beam 9: HOLES IN TOP 3" OF WEB FOR 1' AT APPROX MIDSPAN



Span 1 Beam 8: KNIFE EDGE LOWER FLANGE (RT) FOR 2' FROM BEAM END OUT AT ABUT 1



Span 1 Beam 3: HOLES IN TOP 2" OF WEB FOR 1' AT APPROX MIDSPAN



Span 2 Beam 1: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
103 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 2 Beam 2: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 2 Beam 3: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 2 Beam 4: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 2 Beam 5: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 2 Beam 6: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 2 Beam 7: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 2 Beam 8: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 2 Beam 9: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 2 Beam 10: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 3 Beam 1: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 3 Beam 2: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 3 Beam 3: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 3 Beam 4: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 3 Beam 5: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 3 Beam 6: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 3 Beam 7: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 3 Beam 8: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 3 Beam 9: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 3 Beam 10: TOP FLANGE (RT AND LT) KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.
105 Square Feet of Effectiveness (Steel Protective Coatings): Failed; no protection of the underlying metal.



Span 1 Right Bridge Rail: TIMBER RAILS AND CURBING CRACKED AND WEATHERED



Span 3 Left Bridge Rail: TIMBER RAILS AND CURBING CRACKED AND WEATHERED



SPLITTING OF RAIL BOLSTER BLOCKS, SCATTERED, BOTH SIDES



DECAY/SECTION LOSS IN TIMBER BLKD ALLOWING FILL TO SPILL THROUGH, BETWEEN BEAMS 5-6



Span 1 Wearing Surface: 400 Square Feet of Crack (Wearing Surface): Width of more than 0.05 in. or spacing of less than 1.0 ft.



Span 2 Wearing Surface: 12 Square Feet of Crack (Wearing Surface): The wearing surface is no longer effective.



LT TIMBER HANDRAIL, SPAN 3, MISALIGNED AND LOOSE



Span 3 Wearing Surface: AWS PATCH



SOUTH APPROACH



POSTING



NORTH APPROACH



UPSTREAM



DOWNSTREAM



BENT 2 WITH TEMP REPAIRS IN PAST TO PILE 2



ABUT 2



ABUT 1



BENT 1



LOOKING UPSTREAM



LOOKING DOWNSTREAM

NATIONAL BRIDGE INVENTORY-------- STRUCTURE INVENTORY AND APPRAISAL Run Date: 07/15/2015

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **220067**
(8) STRUCTURE NUMBER(FEDERAL) 000000000450067
(5) INVENTORY ROUTE (ON/UNDER) - ON 31022450
(2) STATE HIGHWAY DEPARTMENT DISTRICT 1
(3) COUNTY CODE 45 (4) PLACE CODE 0
(6) FEATURE INTERSECTED - BEASON CREEK
(7) FACILITY CARRIED SR2245
(9) LOCATION 0.2 MI. N. JCT. SR2247
(11)MILEPOINT 0
(16)LAT 35° 14' 0.09" (17)LONG 81° 25' 54.98"
(98)BORDER BRIDGE STATE CODE PCT SHARE
(99)BORDER BRIDGE STRUCTURE NO

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN: Steel
TYPE - Stringer Mutlibeam or Girder CODE 302
(44) STRUCTURE TYPE APPR :
TYPE - CODE 000
(45) NUMBER OF SPANS IN MAIN UNIT 3
(46) NUMBER OF APPROACH SPANS
(107)DECK STRUCTURE TYPE - 8 CODE
(108)WEARING SURFACE / PROTECTIVE SYSTEM :
(A) TYPE OF WEARING SURFACE - CODE
(B) TYPE OF MEMBRANE - CODE
(C) TYPE OF DECK PROTECTION - CODE

AGE AND SERVICE

(27) YEAR BUILT 1951
(106)YEAR RECONSTRUCTED
(42) TYPE OF SERVICE : ON - Highway
UNDER - Waterway CODE 15
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 0
(29) AVERAGE DAILY TRAFFIC 1800
(30) YEAR OF ADT 2012 (109) TRUCK ADT PCT 6%
(19) BYPASS OR DETOUR LENGTH 2 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 25 FT
(49) STRUCTURE LENGTH 76 FT
(50)CURB OR SIDEWALK: LEFT .3335 FT RIGHT .3335 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 24.333 FT
(52) DECK WIDTH OUT TO OUT 25.333 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 18 FT
(33) BRIDGE MEDIAN - No Median CODE 0
(34) SKEW 0° (35) STRUCTURE FLARED 0
(10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 24.333 FT
(53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad 0 FT
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad 000 FT
(56) MIN LAT UNDERCLEAR LT REF - 000 FT

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

SUFFICIENCY RATING = 22.24
STATUS = Structurally Deficient

CLASSIFICATION — CODE

(112)NBIS BRIDGE SYSTEM - YES
(104)HIGHWAY SYSTEM Is not on NHS 0
(26) FUNCTIONAL CLASS - Local 09
(100)STRAHNET HIGHWAY - Not a STRAHNET Route 0
(101)PARALLEL STRUCTURE - No Parallel Structure N
(102)DIRECTION OF TRAFFIC - 2-way Traffic 2
(103)TEMPORARY STRUCTURE -
(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

CONDITION — CODE

(58) DECK 6
(59) SUPERSTRUCTURE 4
(60) SUBSTRUCTURE 5
(61) CHANNEL & CHANNEL PROTECTION 7
(62) CULVERTS N

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD Unknown 0
(63) OPERATING RATING METHOD - Load Factor 1
(64) OPERATING RATING - HS-6 11
(65) INVENTORY RATING METHOD - Load Factor 1
(66) INVENTORY RATING - HS-3 6
(70) BRIDGE POSTING - Posting Required 0
(41) STRUCTURE OPEN, POSTED ,OR CLOSED P
DESCRIPTION - Posted for Load

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION 3
(68) DECK GEOMETRY 4
(69) UNDERCLEARANCES,VERTI & HORIZ N
(71) WATERWAY ADEQUACY 7
(72) APPROACH ROADWAY ALIGNMENT 8
(36) TRAFFIC SAFETY FEATURES 0000
(113)SCOUR CRITICAL BRIDGES 4

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK - CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT
(94) BRIDGE IMPROVEMENT COST
(95) ROADWAY IMPROVEMENT COST
(96) TOTAL PROJECT COST
(97) YEAR OF IMPROVEMENT COST ESTIMATE
(114)FUTURE ADT 3600 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 01/08/2015
(92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
A) FRACTURE CRIT DETAIL - NO A)
B) UNDERWATER INSP - NO B)
C) OTHER SPECIAL INSP NO C)
SCOUR

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Run Date: 07/15/2015

COUNTY :	DIVISION :	DISTRICT:	STRUCTURE NUMBER :	LENGTH :
CLEVELAND	12	1	220067	76 FEET

ROUTE CARRIED : SR2245

FEATURE INTERSECTED : BEASON CREEK

LOCATED : 0.2 MI. N. JCT. SR2247

BRIDGE NAME :

CITY :

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
09	NFA	NFA	1800 2012	LT 227 RT 227

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1951	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :
	BMU	5.8051	TAN	90	ON 2 UNDER 0

NAVIGATION :	HT. CRN. TO BED :	WATER DEPTH :
VC 0 FT HC 0 FT	15 FT	1 FT

SUPERSTRUCTURE : TIMBER DECK ON I-BEAMS

SUBSTRUCTURE : E.BTS & INT.BTS:TIMBER CAPS/TIMBER PILES

SPANS : 1@25', 2@25'-4"

BEAMS OR GIRDERS : 10 LINES 12 I-BEAMS @ 2'-7" CENTERS

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
4X8"TIM/3" AWS		25.333 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
24.333 FT	25 FT	LT .3335 FT RT .3335 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :
HS-3	HS-6	IntBm (SecLoss)	SV 6 TTST 0 DATE 01/20/2015

SYSTEM : Secondary S.R. Route

GREEN LINE ROUTE : N

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND Date:

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	1	SPAN 2, BEAM 1, SECTION LOSS W/ SPLIT IN WEB APPROX 8' FROM BENT 1, FROM LWR FLNG UP FOR APPROX 6".	
3314	Maintain Steel Superstructure Components	LF	1	SPAN 1, BEAM 2, SECTION LOSS WITH HOLES IN LWR 2" OF WEB FOR 1' AT BEAM END OVER BENT 1	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 3, BEAM 10, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 3, BEAM 9, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 3, BEAM 8, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 3, BEAM 7, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 3, BEAM 6, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 3, BEAM 5, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 3, BEAM 4, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 3, BEAM 3, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 3, BEAM 2, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND Date:

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	13	SPAN 3, BEAM 1, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 2, BEAM 10, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 2, BEAM 9, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 2, BEAM 8, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 2, BEAM 7, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 2, BEAM 6, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 2, BEAM 5, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 2, BEAM 4, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 2, BEAM 3, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 2, BEAM 2, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	13	SPAN 2, BEAM 1, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND Date:

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	1	SPAN 1, BEAM 3, SECTION LOSS WITH HOLES IN TOP 2" OF WEB FOR APPROX 1', LOC APPROX MIDSPAN	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 1, BEAM 8, KNIFE EDGE LWR FLANGE FOR APPROX 2' FROM BEAM END AT ABUTMENT 1 OUT	
3314	Maintain Steel Superstructure Components	LF	1	SPAN 1, BEAM 9, SECTION LOSS WITH HOLES IN TOP 3" OF WEB FOR APPROX 1', LOC APPROX MIDSPAN	
3314	Maintain Steel Superstructure Components	LF	4	SPAN 1, BEAM 9, LWR FLANGE KNIFE EDGE FOR 4' FROM BEAM END AT ABUT 1 OUT	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 1, BEAM 10, KNIFE EDGE LWR FLANGE FOR APPROX 2' FROM BEAM END AT ABUT 1 OUT	
3314	Maintain Steel Superstructure Components	LF	18	SPAN 1, BEAM 10, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	18	SPAN 1, BEAM 9, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	18	SPAN 1, BEAM 8, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	18	SPAN 1, BEAM 7, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	18	SPAN 1, BEAM 6, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	18	SPAN 1, BEAM 5, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	18	SPAN 1, BEAM 4, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND Date:

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	18	SPAN 1, BEAM 3, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	18	SPAN 1, BEAM 2, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	18	SPAN 1, BEAM 1, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.	
3314	Maintain Steel Superstructure Components	LF	2	SPAN 1, BEAM 1, SECTION LOSS WITH HOLES IN LWR FLANGE AT 1' FROM BEAM END OVER BENT 1. AREA IS APPROX 6IN2.	
3344	Repair / Replace Timber Substructure Components	LF	6	BENT 2, PILE 2, SPLICE COLLAR IS UNDERMINED WITH RESTEEL EXPOSED	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 1

Priority Level	Status
Critical Finding	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 2, BEAM 1, SECTION LOSS W/ SPLIT IN WEB APPROX 8' FROM BENT 1, FROM LWR FLNG UP FOR APPROX 6".

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 2

Priority Level	Status
Critical Finding	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 2, SECTION LOSS WITH HOLES IN LWR 2" OF WEB FOR 1' AT BEAM END OVER BENT 1

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 10

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 3, BEAM 10, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 9

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 3, BEAM 9, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 8

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 3, BEAM 8, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 7

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 3, BEAM 7, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 6

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 3, BEAM 6, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 5

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 3, BEAM 5, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 4

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 3, BEAM 4, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 3

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 3, BEAM 3, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 2

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 3, BEAM 2, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 3	BEAM 1

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 3, BEAM 1, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 10

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 2, BEAM 10, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 9

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 2, BEAM 9, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 8

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 2, BEAM 8, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 7

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 2, BEAM 7, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 6

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 2, BEAM 6, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 5

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 2, BEAM 5, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 4

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 2, BEAM 4, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 3

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 2, BEAM 3, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 2

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 2, BEAM 2, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	13 LF

Location:		
Beams and Girders	Bent/Span No. 2	BEAM 1

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 2, BEAM 1, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 50% OF BEAM LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 3

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 3, SECTION LOSS WITH HOLES IN TOP 2" OF WEB FOR APPROX 1', LOC APPROX MIDSPAN

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 8

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 8, KNIFE EDGE LWR FLANGE FOR APPROX 2' FROM BEAM END AT ABUTMENT 1 OUT

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 9

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 9, SECTION LOSS WITH HOLES IN TOP 3" OF WEB FOR APPROX 1', LOC APPROX MIDSPAN

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 9

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 9, LWR FLANGE KNIFE EDGE FOR 4' FROM BEAM END AT ABUT 1 OUT

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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:		
Beams and Girders	Bent/Span No. 1	BEAM 10

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 10, KNIFE EDGE LWR FLANGE FOR APPROX 2' FROM BEAM END AT ABUT 1 OUT

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	18 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 10

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 10, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	18 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 9

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 9, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	18 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 8

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 8, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	18 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 7

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 7, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	18 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 6

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 6, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	18 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 5

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 5, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	18 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 4

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 4, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	18 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 3

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 3, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	18 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 2

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 2, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	18 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 1

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 1, SECTION LOSS IN UPPER FLANGE (RT & LT) TO A KNIFE EDGE FOR APPROX 75% OF BEAM LENGTH.

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF

Location:		
Beams and Girders	Bent/Span No. 1	BEAM 1

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

SPAN 1, BEAM 1, SECTION LOSS WITH HOLES IN LWR FLANGE AT 1' FROM BEAM END OVER BENT 1. AREA IS APPROX 6IN2.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 220067 County CLEVELAND

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

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	6 LF

Location:		
Pier Substructure	Bent/Span No. 2	PILE 2

Priority Level	Status
Priority Maintenance	Division Maintenance Work Completed

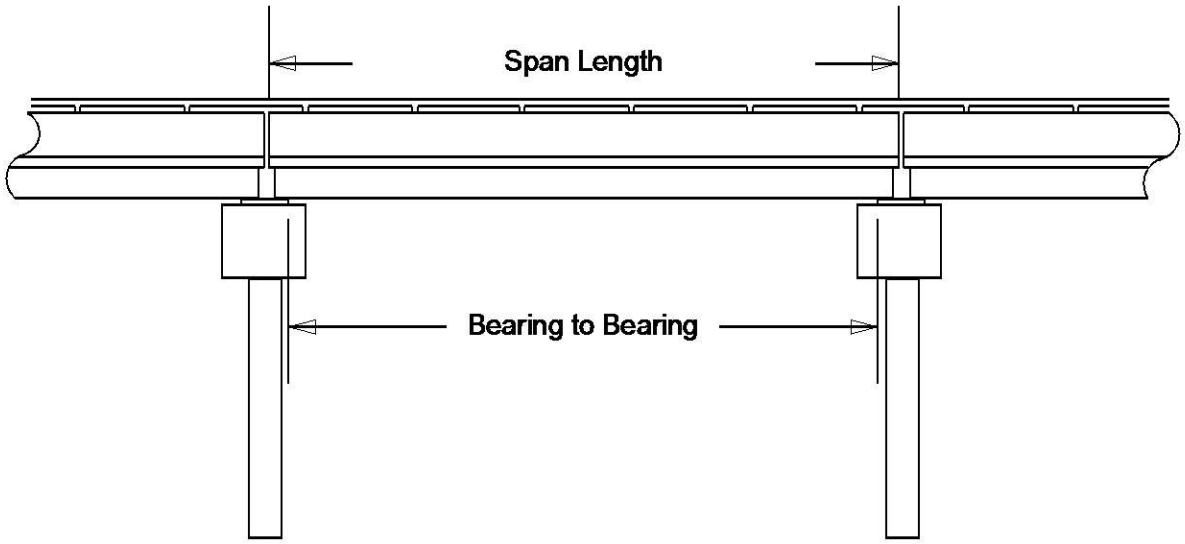
Submitted Date:	Submitted By:	Assisted By:
01/12/2015	DEREK RICKUS	ERIC PATTERSON

Details

BENT 2, PILE 2, SPLICE COLLAR IS UNDERMINED WITH RESTEEL EXPOSED

Structure Data Worksheet

County: CLEVELAND **Structure No:** 220067 **Date:** **Inspected By:** DCR



Span No	Span Length	Bearing to Bearing	Comments
1	25.000'	24.250'	
2	25.333'	24.500'	
3	25.333'	24.250'	NBIS = 73.167'

Stream Bed Soundings

(See next sheet for profile sketch)

Bridge No: 220067 **County:** CLEVELAND **Date:** _____ **By:** DCR

Record sounding from top of rail. Other location if needed: _____

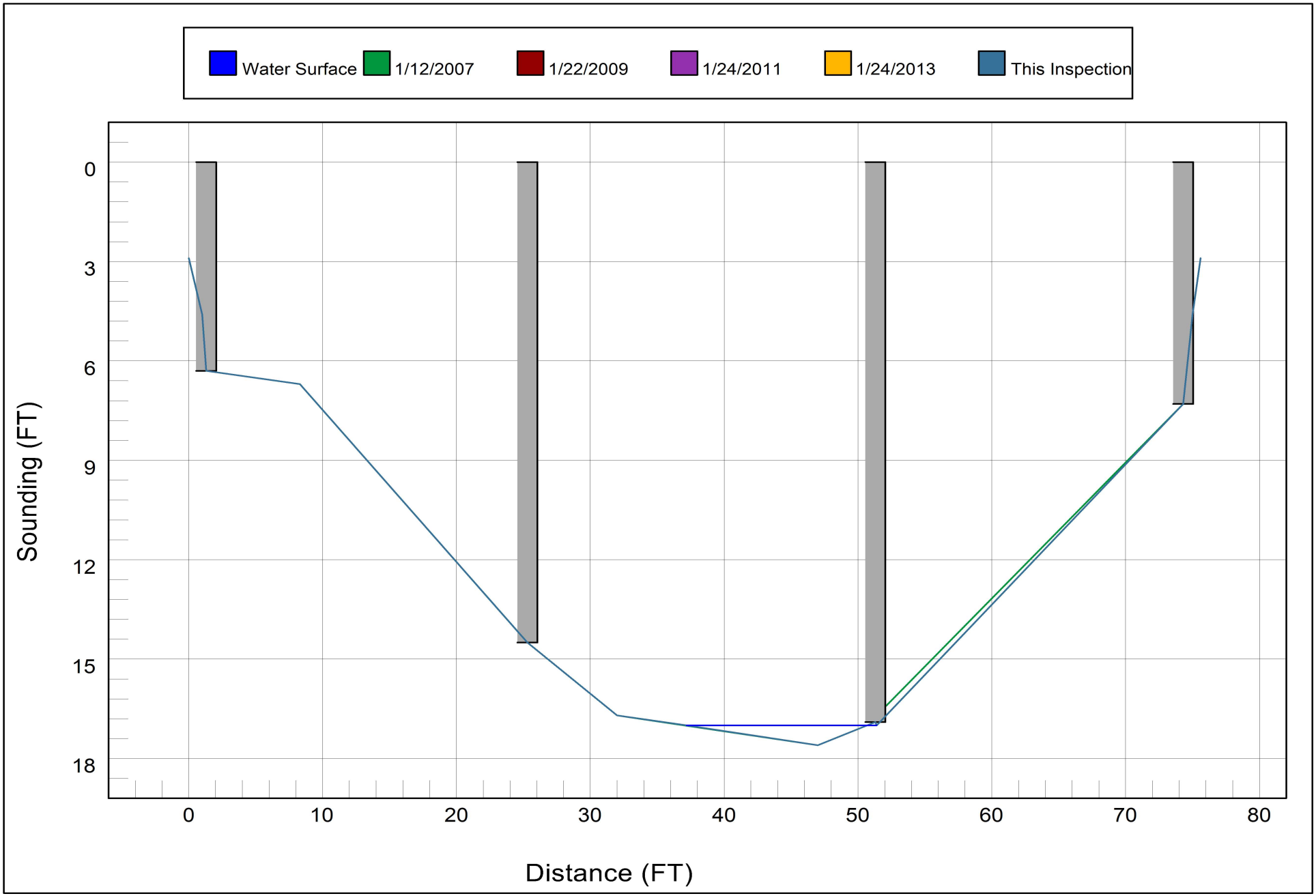
Distance from Highwater Mark to top of rail: _____ **Location of Highwater Mark:** _____

DOWNSTREAM			UPSTREAM		
Distance (Station) (ft)	Sounding (ft)	Description	Distance (Station) (ft)	Sounding (ft)	Description
0	2.9	FILLFACE			
1	4.6	RAIL TO CAP			
1.3	6.3	S.F.ABUTMENT 1	1.3	9.1	FILLFACE
8.3	6.7	EARTH			
25.3	14.5	BENT 1	25.3	19.1	BENT 1
32	16.7	SLOPE			
37.2	17	WS WE			
47	17.6	DEEPEST POINT			
51.3	16.9	BENT 2	51.3	16.5	BENT 2
51.4	17	WS WE			
74.3	7.3	S.F.ABUTMENT 2	74.3	6.7	S.F.ABUT.2
75	4.6	RAIL TO CAP			
75.6	2.9	FILLFACE			

Bridge: 220067 County CLEVELAND Date:

STREAMBED PROFILE (Downstream)

Top of Rail = 0 FT (Sounding)



Bridge Inspection Field Sketch



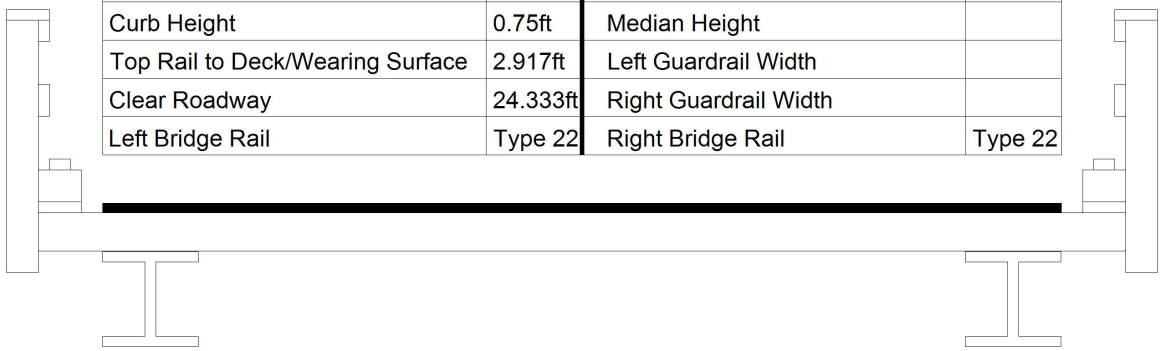
Roadway	18ft Wide	2 Paved Lanes	Looking North
Left Shoulder	6ft Wide		6ft Unpaved
Right Shoulder	6ft Wide		6ft Unpaved
Left Guardrail			
Right Guardrail			

VERIFIED BY DEREK RICKUS ON 1/7/2015

Title	**Description**		
APPROACH	LOOKING NORTH		
Bridge No: 220067	**Drawn By:** DCR	**Date:** 01/09/2007	**File Name:** S0142001141

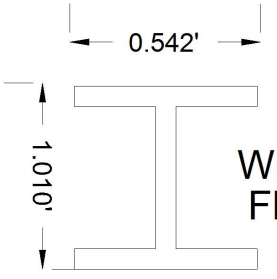
Bridge Inspection Field Sketch

Deck Width/Out to Out	25.333ft	Wearing Surface	0.25ft
Between Rails	25ft	Median Width	
Curb Height	0.75ft	Median Height	
Top Rail to Deck/Wearing Surface	2.917ft	Left Guardrail Width	
Clear Roadway	24.333ft	Right Guardrail Width	
Left Bridge Rail	Type 22	Right Bridge Rail	Type 22



Measurements for Span #	1		
Deck Thickness	0.312	Left Overhang	1.083
Top of Rail to Bottom of Beam	4.667	Right Overhang	1.083

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.583 ft.	
2	Steel I Beam	2.583 ft.	
3	Steel I Beam	2.583 ft.	
4	Steel I Beam	2.583 ft.	
5	Steel I Beam	2.583 ft.	
6	Steel I Beam	2.583 ft.	
7	Steel I Beam	2.583 ft.	
8	Steel I Beam	2.583 ft.	
9	Steel I Beam	2.583 ft.	
10	Steel I Beam		



NO DIAPHS.

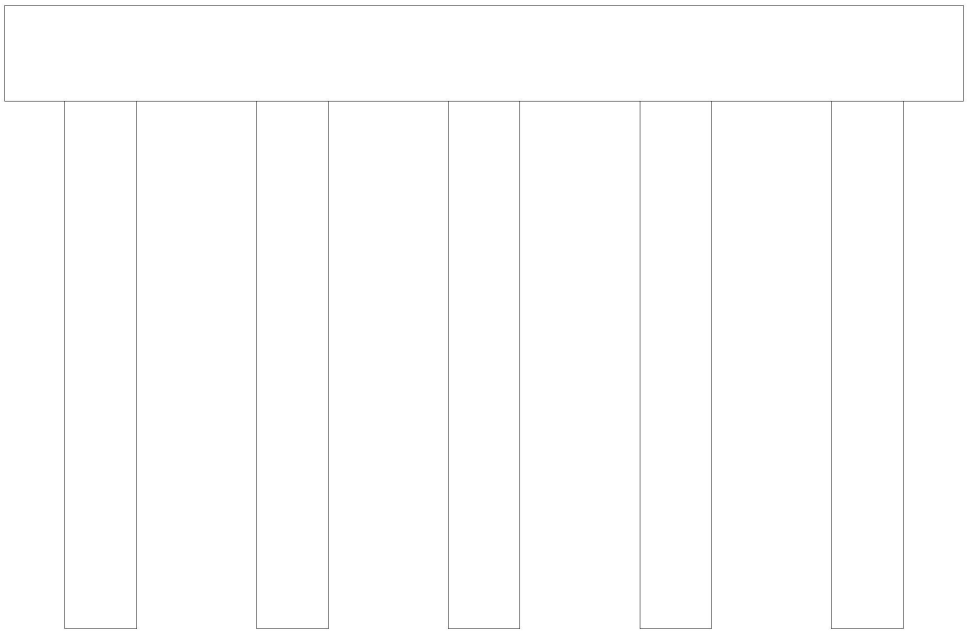
WEB THICKNESS= 0.021'
FLG. THICKNESS=0.036'

VERIFIED BY DEREK RICKUS ON 1/7/2015

Title	Description
DECK SECTION	TOP AND BOTTOM DETAILS

Bridge No:	Drawn By:	Date:	File Name:
220067	DCR	01/09/2007	S0142001142

Bridge Inspection Field Sketch



Abutment #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	26.583ft Long	0.979ft Wide	1ft High
Left Overhang	1.833ft	Lt Cap/Beam Overhang	2.0'ft
Right Overhang	1.5ft	Rt Cap/Beam Overhang	1.333'ft

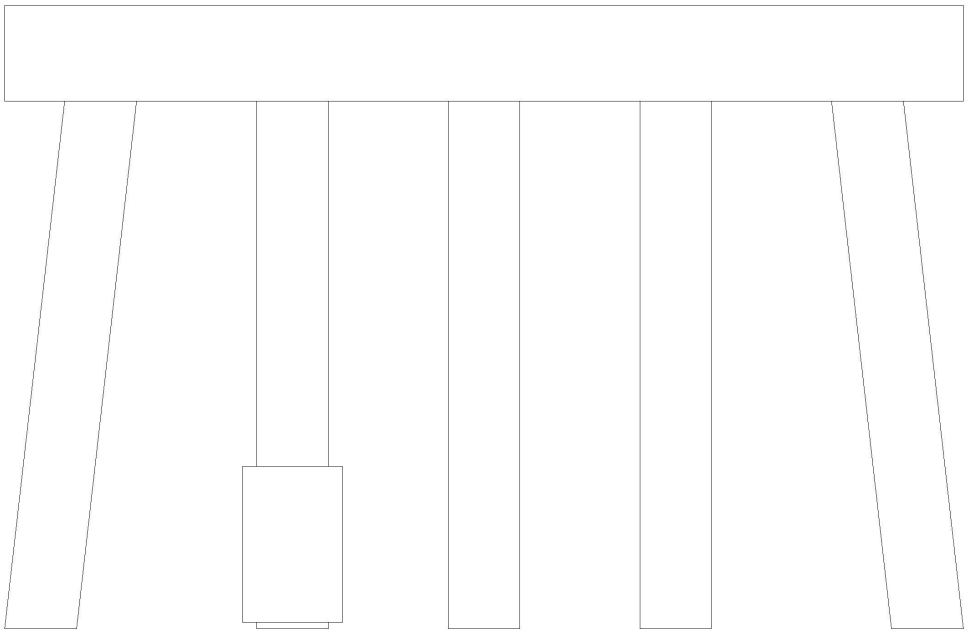
Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	3.500'		1.0'		Vertical
2	Wood or Timber	Pile Bent	8.0'		1.0'		Vertical
3	Wood or Timber	Pile Bent	8.0'		1.0'		Vertical
4	Wood or Timber	Pile Bent	3.500'		1.0'		Vertical
5	Wood or Timber	Pile Bent			1.0'		Vertical

VERIFIED BY DEREK RICKUS ON 1/7/2015

Title	Description
ABUT. 1	PILE DETAILS

Bridge No:	Drawn By:	Date:	File Name:
220067	DCR	01/09/2007	S0142001143

Bridge Inspection Field Sketch



24 INCH DIAMETER X 4 FT HIGH CONCRETE ENCASEMENT ON PILE 2.
SECTION OF PILE ABOVE ENCASEMENT WAS REPLACED.

Bent #	2		
Cap - Beam Type (Wood or Steel)			
Cap Size	26.333ft Long	0.979ft Wide	0.979ft High
Left Overhang	1.333ft	Lt Cap/Beam Overhang	1.250'ft
Right Overhang	1.083ft	Rt Cap/Beam Overhang	1.167'ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	3.250'		1.0'		Batter Pile
2	Wood or Timber	Pile Bent	8.583'		1.0'		Vertical
3	Wood or Timber	Pile Bent	9.083'		1.0'		Vertical
4	Wood or Timber	Pile Bent	3.0'		1.0'		Vertical
5	Wood or Timber	Pile Bent			1.0'		Batter Pile

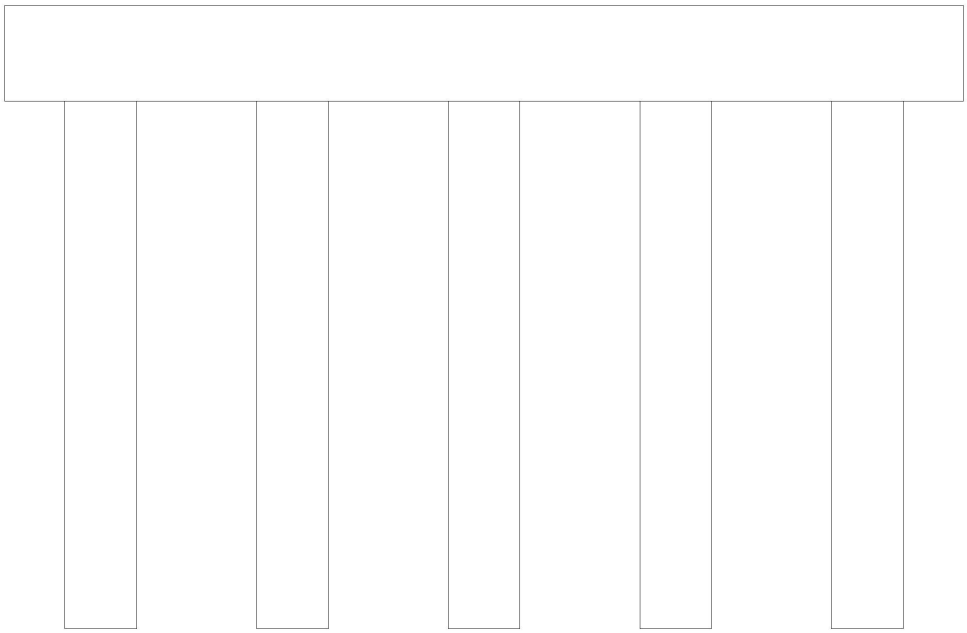
2 3/4" X 9 1/2" TIMBER CROSSBRACING

VERIFIED BY DEREK RICKUS ON 1/7/2015

Title	**Description**
BENT 2	PILE DETAILS

Bridge No: 220067	**Drawn By:** DJA	**Date:** 01/22/2009	**File Name:** S0142001144

Bridge Inspection Field Sketch



Bent #	1		
Cap - Beam Type (Wood or Steel)			
Cap Size	26.417ft Long	0.979ft Wide	0.979ft High
Left Overhang	1.5ft	Lt Cap/Beam Overhang	1.333'ft
Right Overhang	1.167ft	Rt Cap/Beam Overhang	1.167'ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	2.500'		1.0'		Vertical
2	Wood or Timber	Pile Bent	8.917'		1.0'		Vertical
3	Wood or Timber	Pile Bent	9.167'		1.0'		Vertical
4	Wood or Timber	Pile Bent	3.167'		1.0'		Vertical
5	Wood or Timber	Pile Bent			1.0'		Vertical

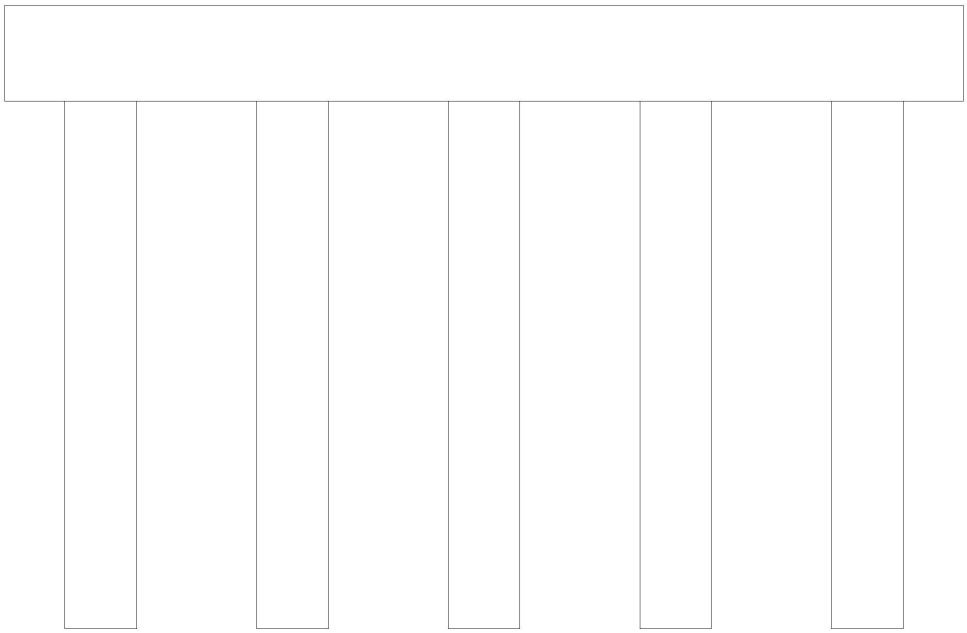
2 3/4" X 9 1/2" TIMBER CROSSBRACING

VERIFIED BY DEREK RICKUS ON 1/7/2015

Title	**Description**
BENT 1	PILE DETAILS

Bridge No:	**Drawn By:**	**Date:**	**File Name:**
220067	DCR	01/09/2007	S0142001145

Bridge Inspection Field Sketch



Abutment #	2		
Cap - Beam Type (Wood or Steel)			
Cap Size	27.083ft Long	0.979ft Wide	1ft High
Left Overhang	1.417ft	Lt Cap/Beam Overhang	1.500'ft
Right Overhang	2.25ft	Rt Cap/Beam Overhang	2.167'ft

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	2.833'		1.0'		Vertical
2	Wood or Timber	Pile Bent	8.583'		1.0'		Vertical
3	Wood or Timber	Pile Bent	8.917'		1.0'		Vertical
4	Wood or Timber	Pile Bent	3.083'		1.0'		Vertical
5	Wood or Timber	Pile Bent			1.0'		Vertical

VERIFIED BY DEREK RICKUS ON 1/7/2015

Title	Description
ABUT. 2	PILE DETAILS

Bridge No:	Drawn By:	Date:	File Name:
220067	DCR	01/09/2007	S0142001147