NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION:

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 12/17/2018

DIVISION: 11 **COUNTY:** WILKES **STRUCTURE NUMBER:** 960166 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: SR1745 **MILE POST:**

LOCATION: 50 FT.E.JCT.SR1746

FEATURE INTERSECTED: WEST PRONG ROARING RIVER

LATITUDE: 36° 17' 39.27" **LONGITUDE:** 81° 5' 48.49"

SUPERSTRUCTURE: STEEL PLANK FLOOR ON I-BEAMS

SUBSTRUCTURE: E.BTS:TIM.CAPS/TIM.PILES;BTS:TIM.CAPS/TIM.POST&CONC.SILLS

SPANS: 3 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

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

NBI GRADES: **DECK** 5 **SUPERSTRUCTURE** 6 **SUBSTRUCTURE** 6 **CULVERT** N

POSTED SV: 26 **POSTED TTST:** 31

OTHER SIGNS PRESENT: 2 WEIGHT LIMIT; 4 DELINEATORS

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 W-E

DIRECTION MATCHES PLANS

WEST APPROACH LOOKING EAST

INSPECTED BY	SIGNATURE	ASSISTED BY
BRANDON ELLIOT		MINDY ISENHOUR

Structure Element Scoring

Structure Number: **960166**

Inspection Date **12/17/2018**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
30	0	Steel Deck Corrugated/Orthotropic/Etc.	Deck	3280	3005	230	45	0
107	0	Steel Open Girder/Beam	Beam	1370	1345	25	0	0
515	107	Steel Protective Coating	Beam	7380	7340	0	40	0
206	0	Timber Column	Piles and Columns	20	11	8	1	0
216	0	Timber Abutment	Abutments	60	60	0	0	0
235	0	Timber Pier Cap	Caps	104	70	34	0	0
316	0	Other Bearings	Bearing Device	60	34	24	2	0
515	316	Steel Protective Coating	Bearing Device	180	114	0	64	2
330	0	Metal Bridge Railing	Bridge Rail	274	0	274	0	0
515	330	Steel Protective Coating	Bridge Rail	816	0	0	816	0
510	0	Wearing Surface	Wearing Surfaces	3256	3166	42	48	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **960166** Inspection Date: **12/17/2018**

MMS Code	Element Name	Defect Name	Recommended Quantity
3328	Steel Deck Corrugated/Orthotropic/Etc.	Corrosion	45 Square Feet
3344	Timber Column	Check/Shake	7 Each
3344	Timber Column	Split/Delamination (Timber)	1 Each
3344	Timber Column	Decay/Section Loss	1 Each
3344	Timber Pier Cap	Check/Shake	8 Feet
3344	Timber Pier Cap	Damage	21 Feet
3334	Other Bearings	Corrosion	2 Each
2816	Wearing Surface	Crack (Wearing Surface)	66 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	922 Square Feet

Element Structure Maintenance Quantities

Structure Number: **960166** Inspection Date **12/17/2018**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3346	Maintenance of Timber Bulkheads or Wingwalls	0	60	0	0	0	60
Beam	3314	Maintenance Steel Superstructure Components	0	1370	0	0	25	1345
Beam	3342	Clean and Paint Steel	40	7380	0	40	0	7340
Bearing Device	3334	Bridge Bearing	2	60	0	2	24	34
Bearing Device	3342	Clean and Paint Steel	66	180	2	64	0	114
Bridge Rail	3322	Maintenance of Steel Bridge Rail	0	274	0	0	274	0
Bridge Rail	3342	Clean and Paint Steel	816	816	0	816	0	0
Caps	3344	Maintenance To Timber Substrcutre	29	104	0	0	34	70
Deck	3328	Maintenance of Steel Plank Bridge Floor	45	3280	0	45	230	3005
Piles and Columns	3344	Maintenance To Timber Substrcutre	9	20	0	1	8	11
Wearing Surfaces	2816	Asphalt Surface Repair	66	3256	0	48	42	3166

Element Condition and Maintenance Data

Structure Number: **960166** Inspection Date: **12/17/2018**

Span 1 Deck

Steel Deck Corrugated

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
30	Steel Deck Corrugated/Orthotropic/Etc.	1,096	971	80	45	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
30	Corrosion	HEAVY CORROSION WITH THROUGH THICKNESS SECTION LOSS IN RIGHT SIDE END ANGLE.	3	45	45	Square Feet
30	Corrosion	MODERATE TO HEAVY CORROSION IN STEEL DECK IN ISOLATED AREAS FOR APPROXIMATELY 10% OF TOTAL DECK AREA.	2	80		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	44	2	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE CORROSION IN TOP FLANGE AT BENT 1.	2	2		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 1.	3	2	2	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	44	2	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE CORROSION IN TOP FLANGE AT BENT 1.	2	2		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 1.	3	2	2	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	44	2	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE CORROSION IN TOP FLANGE AT BENT 1.	2	2		Feet

515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 1.	3	2	2	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	44	2	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	2 FT OF MODERATE CORROSION IN TOP FLANGE AT BENT 1.	2	2		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 1.	3	2	2	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	44	2	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE CORROSION IN TOP FLANGE AT BENT 1.	2	2		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 1.	3	2	2	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	44	2	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE CORROSION IN TOP FLANGE AT BENT 1.	2	2		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 1.	3	2	2	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	1,088	1,016	24	48	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

510	Crack (Wearing Surface)	UP TO 1/8" TRANSVERSE CRACKING IN ASPHALT WEARING SURFACE OVER BENT 1	3	48	48	Square Feet
510	Patched Area/Pothole (Wearing Surface)	6' X 4' AREA OF SUNKEN ASPHALT WEARING SURFACE OVER BENT 1	2	24		Square Feet

General Comments

Span 1 — Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	46	0	46	0	0	Feet
515	Steel Protective Coating	136	0	0	136	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	SURFACE RUST ALONG ENTIRE LENGTH.	2	46		Square Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BRIDGE RAIL.	3	136	136	Square Feet

General Comments

Span 1 — Right Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	46	0	46	0	0	Feet
515	Steel Protective Coating	136	0	0	136	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	SURFACE RUST ALONG ENTIRE LENGTH.	2	46		Square Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BRIDGE RAIL.	3	136	136	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	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	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	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	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	1	0	0	Each
515	Steel Protective Coating	3	2	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION OF ANCHOR BOLTS AT END BENT 1, ANCHOR BOLTS MISSING NUTS.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON ANCHOR BOLT.	3	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	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	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	3	2	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	HEAVY CORROSION WITH SECTION LOSS IN ANCHOR BOLTS.	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT FAILED ON ANCHOR BOLT.	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	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	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	1	0	0	Each
515	Steel Protective Coating	3	2	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	MODERATE CORROSION IN ANCHOR BOLTS AT END BENT 1.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON ANCHOR BOLT.	3	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	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	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	1	0	0	Each
515	Steel Protective Coating	3	2	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

316	Corrosion	CORROSION OF ANCHOR BOLT ON NORTH FACE OF BEARING.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON ANCHOR BOLT.	3	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	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	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	1	0	0	Each
515	Steel Protective Coating	3	2	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	MODERATE CORROSION IN SOUTH ANCHOR BOLT AT END BENT 1.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON ANCHOR BOLT.	3	1	1	Square Feet

General Comments

Span 2 — Deck

Steel Deck Corrugated

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
30	Steel Deck Corrugated/Orthotropic/Etc.	1,088	988	100	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
30	Corrosion	MODERATE TO HEAVY CORROSION IN STEEL DECK IN ISOLATED AREAS FOR APPROXIMATELY 10% OF TOTAL DECK AREA.	2	100		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	45	44	1	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION IN TOP FLANGE AT BENT 1.	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 1.	3	2	2	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	45	44	1	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION IN TOP FLANGE AT BENT 1.	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 1.	3	2	2	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	45	43	2	0	0	Feet
515	Steel Protective Coating	246	242	0	4	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION IN TOP FLANGE AT BENT 1.	2	1		Feet
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ON TOP FLANGES AT BENT 2.	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BOTH INTERIOR BENTS.	3	4	4	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	45	43	2	0	0	Feet
515	Steel Protective Coating	246	242	0	4	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION IN TOP FLANGE AT BENT 1.	2	1		Feet
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ON TOP FLANGES AT BENT 2.	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BOTH INTERIOR BENTS.	3	4	4	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	45	44	1	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ON TOP FLANGES AT BENT 2.	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 2.	3	2	2	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	45	44	1	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ON TOP FLANGES AT BENT 2.	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 2.	3	2	2	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	45	45	0	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 2.	3	2	2	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	1,080	1,062	18	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	UP TO 1/8" TRANSVERSE CRACKING IN ASPHALT WEARING SURFACE OVER BENT 2	2	18	18	Square Feet

General Comments

Span 2 — Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	45	0	45	0	0	Feet
515	Steel Protective Coating	136	0	0	136	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	SURFACE RUST ALONG ENTIRE LENGTH.	2	45		Square Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ALONG ENTIRE LENGTH.	3	136	136	Square Feet

General Comments

Span 2 — Right Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	45	0	45	0	0	Feet
515	Steel Protective Coating	136	0	0	136	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	SURFACE RUST ALONG ENTIRE LENGTH.	2	45		Square Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ALONG LENGTH OF RAIL.	3	136	136	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	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	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	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	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	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	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	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	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	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	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	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	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	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	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	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	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	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	Square Feet

General Comments

Span 3 — Deck

Steel Deck Corrugated

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
30	Steel Deck Corrugated/Orthotropic/Etc.	1,096	1,046	50	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
30	Corrosion	MODERATE TO HEAVY CORROSION IN STEEL DECK IN ISOLATED AREAS FOR APPROXIMATELY 5% OF TOTAL DECK AREA.	2	50		Square Feet

General Comments

Span 3 — Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	46	45	1	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ON TOP FLANGES AT BENT 2.	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 2.	3	2	2	Square Feet

General Comments

Span 3 — Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	46	45	1	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ON TOP FLANGES AT BENT 2.	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 2.	3	2	2	Square Feet

General Comments

Span 3 Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	46	45	1	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ON TOP FLANGES AT BENT 2.	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 2.	3	2	2	Square Feet

General Comments

Span 3 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	46	45	1	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ON TOP FLANGES AT BENT 2.	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 2.	3	2	2	Square Feet

General Comments

Span 3 Beam 8

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	46	45	1	0	0	Feet
515	Steel Protective Coating	246	244	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFACE CORROSION ON TOP FLANGES AT BENT 2.	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLANGE AT BENT 2.	3	2	2	Square Feet

General Comments

Span 3 Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	46	0	46	0	0	Feet
515	Steel Protective Coating	136	0	0	136	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	SURFACE RUST ALONG ENTIRE LENGTH.	2	46		Square Feet

515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE ALONG ENTIRE LENGTH OF RAIL.	3	136	136	Square Feet

General Comments

Span 3 — Right Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	46	0	46	0	0	Feet
515	Steel Protective Coating	136	0	0	136	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	SURFACE RUST ALONG ENTIRE LENGTH.	2	46		Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE ALONG ENTIRE LENGTH OF RAIL.	3	136	136	Square Feet

General Comments

Span 3 — Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	Square Feet

General Comments

Span 3 — 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	3	2	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	HEAVY CORROSION AND SECTION LOSS IN ANCHOR BOLT AT END BENT 2.	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT FAILED ON ANCHOR BOLT.	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	Square Feet

General Comments

Span 3 — Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	Square Feet

General Comments

Span 3 — Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	Square Feet

General Comments

Span 3 — Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
515	Steel Protective Coating	3	0	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3	Square Feet

General Comments

End Bent 1 Cap 1

Timber Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
235	Timber Pier Cap	26	24	2	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Damage	HEAVY DEBRIS BUILDUP ON TOP OF PILE CAP, BAY 5.	2	1	1	Feet
235	Split/Delamination (Timber)	1 FT HORIZONTAL SPLIT UP TO 1/8 IN, EAST FACE OF PILE CAP ABOVE PILE 4.	2	1		Feet

General Comments

End Bent 1 Pile 3

Timber Column

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
206	Timber Column	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
206	Check/Shake	VERTICAL CHECKS THROUGHOUT.	2	1	1	Each

General Comments

Bent 1 Cap 1

Timber Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
235	Timber Pier Cap	26	26	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

DEBRIS BUILDUP ON BENT 1 CAP

Bent 1 Pile 2

Timber Column

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
206	Timber Column	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
206	Check/Shake	CHECKS IN BRACE BEGINNING AT BASE OF PILE 2 BETWEEN PILES 2 AND 3.	2		1	Each
206	Check/Shake	CHECKS THROUGHOUT PILE.	2	1	1	Each

General Comments

Bent 1 — Pile 3

Timber Column

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
206	Timber Column	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
206	Check/Shake	CHECKS THROUGHOUT PILE.	2	1	1	Each

General Comments

End Bent 2 — Cap 1

Timber Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
235	Timber Pier Cap	26	6	20	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Damage	DEBRIS BUILDUP ON TOP OF CAP IN ALL BAYS.	2	20	20	Feet

General Comments

End Bent 2 — Pile 1

Timber Column

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
206	Timber Column	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
206	Decay/Section Loss	5" DIAMETER X 1" DEEP DECAY	2	1		Each

General Comments

Bent 2 — Cap 1

Timber Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
235	Timber Pier Cap	26	14	12	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
235	Check/Shake	LONGITUDINAL CHECKS IN BOTTOM FACE BETWEEN PILES 4 AND 5.	2	8	8	Feet
235	Split/Delamination (Timber)	4 FT X 3 IN WIDE X 2 IN DEEP DELAMINATION IN BOTTOM OF PILE CAP BETWEEN PILES 3 AND 4.	2	4		Feet

General Comments

Bent 2 Pile 1

Timber Column

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
206	Timber Column	1	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
206	Split/Delamination (Timber)	3 FT HIGH X 6 IN WIDE DELAMINATION, NORTH FACE OF PILE NEAR BASE.	3	1	1	Each
206	Check/Shake	VERTICAL CHECKS THROUGHOUT BASE OF PILE.	2		1	Each

General Comments

Bent 2 Pile 2

Timber Column

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
206	Timber Column	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
206	Decay/Section Loss	2' HIGH X 3" WIDE X 0.5" DEEP DECAY IN NORTHEAST FACE	2	1		Each

General Comments

Bent 2 Pile 3

Timber Column

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
206	Timber Column	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
206	Decay/Section Loss	VERTICAL CHECKS THROUGHOUT PILE.	2	1	1	Each

General Comments

Bent 2 Pile 4

Timber Column

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
206	Timber Column	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
206	Check/Shake	VERTICAL CHECKS THROUGHOUT PILE.	2	1	1	Each

General Comments

Bent 2 Pile 5

Timber Column

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
206	Timber Column	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
206	Check/Shake	FULL HEIGHT VERTICAL CHECKS THROUGHOUT PILE.	2	1	1	Each

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Steel Deck Corrugated	Steel Deck Corrugated/Orthotropic/Etc.	1096
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	Beam 10	Plate Girder	Steel Open Girder/Beam	46
Span 1	Left Bridge Rail	Steel Rail	Metal Bridge Railing	46
Span 1	Right Bridge Rail	Steel Rail	Metal Bridge Railing	46
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1088
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	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	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	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	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 2	Deck	Steel Deck Corrugated	Steel Deck Corrugated/Orthotropic/Etc.	1088
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	45
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	45
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	45
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	45
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	45
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	45
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	45
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	45
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	45
Span 2	Beam 10	Plate Girder	Steel Open Girder/Beam	45

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 2	Left Bridge Rail	Steel Rail	Metal Bridge Railing	45
Span 2	Right Bridge Rail	Steel Rail	Metal Bridge Railing	45
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1080
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	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	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	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	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 3	Deck	Steel Deck Corrugated	Steel Deck Corrugated/Orthotropic/Etc.	1096
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	46
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	46
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	46
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	46
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	46
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	46
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	46
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	46
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	46
Span 3	Beam 10	Plate Girder	Steel Open Girder/Beam	46
Span 3	Left Bridge Rail	Steel Rail	Metal Bridge Railing	46
Span 3	Right Bridge Rail	Steel Rail	Metal Bridge Railing	46
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1088
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Bent 1	Cap 1	Timber Pier Cap	Timber Pier Cap	26
Bent 1	Pile 1	Timber Column	Timber Column	1
Bent 1	Pile 2	Timber Column	Timber Column	1
Bent 1	Pile 3	Timber Column	Timber Column	1
Bent 1	Pile 4	Timber Column	Timber Column	1
Bent 1	Pile 5	Timber Column	Timber Column	1
End Bent 1	Cap 1	Timber Pier Cap	Timber Pier Cap	26
End Bent 1	Pile 1	Timber Column	Timber Column	1
End Bent 1	Pile 2	Timber Column	Timber Column	1
End Bent 1	Pile 3	Timber Column	Timber Column	1
End Bent 1	Pile 4	Timber Column	Timber Column	1
End Bent 1	Pile 5	Timber Column	Timber Column	1
End Bent 1	Abutment	Timber Abutment	Timber Abutment	30
Bent 2	Cap 1	Timber Pier Cap	Timber Pier Cap	26
Bent 2	Pile 1	Timber Column	Timber Column	1
Bent 2	Pile 2	Timber Column	Timber Column	1
Bent 2	Pile 3	Timber Column	Timber Column	1
Bent 2	Pile 4	Timber Column	Timber Column	1
Bent 2	Pile 5	Timber Column	Timber Column	1
End Bent 2	Cap 1	Timber Pier Cap	Timber Pier Cap	26
End Bent 2	Pile 1	Timber Column	Timber Column	1
End Bent 2	Pile 3	Timber Column	Timber Column	1
End Bent 2	Pile 4	Timber Column	Timber Column	1
End Bent 2	Pile 5	Timber Column	Timber Column	1
End Bent 2	Abutment	Timber Abutment	Timber Abutment	30

General Inspection Notes

Bent 1 Cap 1

DEBRIS BUILDUP ON BENT 1 CAP

National Bridge and NC Inspection Items

Structure Number: 960166 **Inspection Date:** 12/17/2018

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**5**
Item 59: Superstructure	0 - 9 , N	**6**
Item 60: Substructure	0 - 9 , N	**6**
Item 61: Channel and Channel Protection	0 - 9 , N	**7**
Item 62: Culvert	0 - 9 , N	**N**
Item 71: Waterway Adequacy	0 - 9 , N	**7**
Item 72: Approach Roadway Alignment	0 - 9 , N	**8**

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	**F**	**3286**	**3376**
Drainage System	G, F, P, or C	**G**	**0**	**3332**
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	**G**	**0**	**3352**
Scour	G, F, P, or C	**G**		
Wingwall	G, F, P, or C	**G**	**0**	**3350**
Field Scour Evaluation		**L**		
Drift	G, F, P, or C	**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	**14**		
Superstructure Paint Code		**U**		

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	**N**
Priority Maintenance Request Submitted	YES/NO	**N**
Inspection Time	Hours	**4**
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: 960166 **Inspection Date:** 12/17/2018

Item	Deck Debris	**Grade**	F	**Maint Code**	3376	**Qty.**	3286
Details	DEBRIS ALONG BOTH GUTTERLINES						

Item	General Comments and Misc Items	**Grade**		**Maint Code**		**Qty.**	0
Details	UP TO 1/4" CRACKING AND 1.5" SETTLEMENT IN BOTH APPROACHES						

UP TO 1/4" CRACKING AND 1.5" SETTLEMENT IN WEST APPROACH (SIMILAR CONDITIONS AT EAST APPROACH)

DEBRIS ALONG BOTH GUTTERLINES

SURFACE RUST ON BOTH RAILS

Span 1 Wearing Surface: 6' X 4' AREA OF SUNKEN ASPHALT WEARING SURFACE OVER BENT 1

UP TO 1/8" TRANSVERSE CRACKING IN ASPHALT WEARING SURFACE OVER BOTH INTERIOR BENTS

TYPICAL DEBRIS BUILDUP ON END BENT 2 CAP

End Bent 2 Pile 1: 5" DIAMETER X 1" DEEP DECAY

APPROXIMATELY 10% OF UNDERSIDE OF DECK IN ALL SPANS HAS CORROSION

Bent 2 Pile 2: 2' HIGH X 3" WIDE X 0.5" DEEP DECAY IN NORTHEAST FACE

Bent 2 Pile 1: 3 FT HIGH X 6 IN WIDE DELAMINATION, NORTH FACE OF PILE NEAR BASE.

TYPICAL CHECKING IN PILES

Bent 2 Cap 1: 4 FT X 3 IN WIDE X 2 IN DEEP DELAMINATION IN BOTTOM OF PILE CAP BETWEEN PILES 3 AND 4.

OVERVIEW OF CORROSION TO TOP FLANGES OF BEAMS 4-8 OVER BENT 2

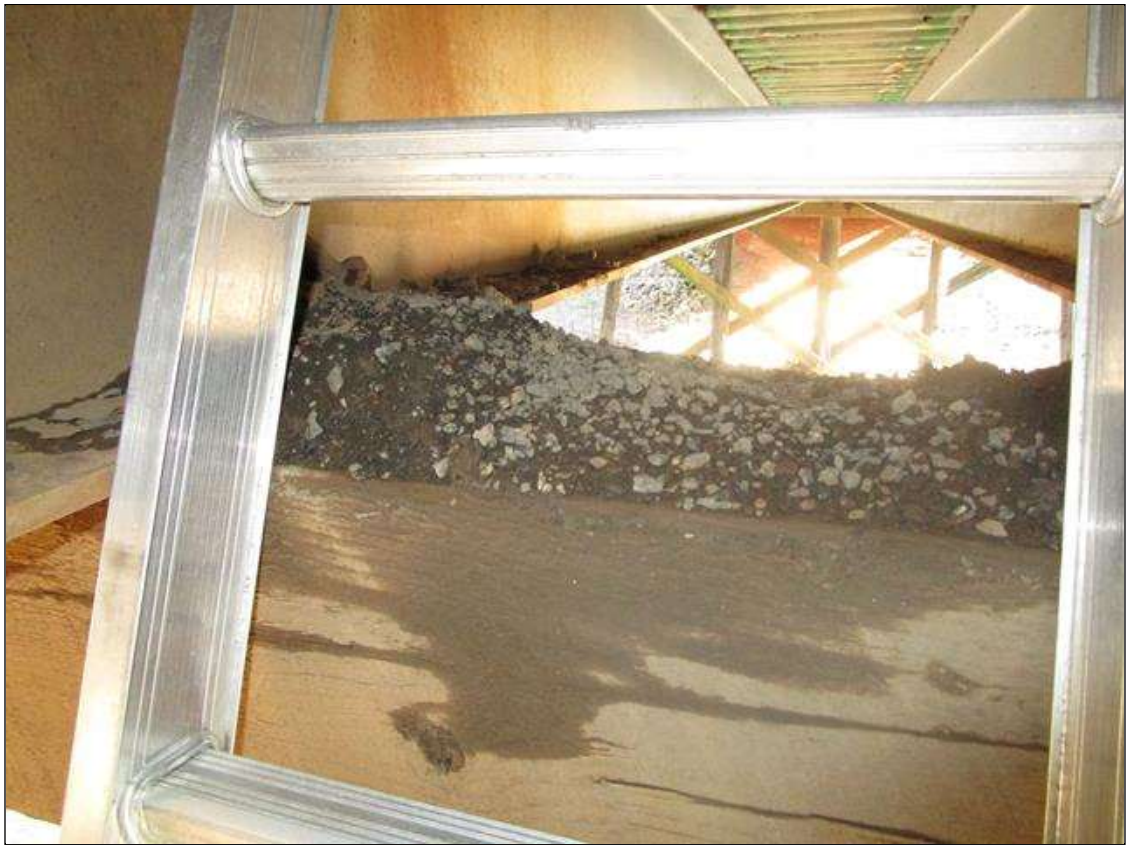
BEAMS 4-8 OVER BENT 2 HAVE CORROSION IN THE TOP FLANGES. SECTION LOSS IS NEGLIGIBLE AT THIS TIME

End Bent 1 Cap 1: 1 FT HORIZONTAL SPLIT UP TO 1/8 IN, EAST FACE OF PILE CAP ABOVE PILE 4.

Span 1 Beam 4 Near Bearing: CORROSION OF ANCHOR BOLTS AT END BENT 1, ANCHOR BOLTS MISSING NUTS.

CORROSION TO VARIOUS ANCHOR BOLTS AT BOTH END BENTS

OVERVIEW OF CORROSION TO TOP FLANGES OF BEAMS 2-7 OVER BENT 1



DEBRIS BUILDUP ON BENT 1 CAP

SURFACE CORROSION ON INTERIOR BENT BEARINGS FOR BEAMS WITH CORROSION AT ENDS

BEAMS 2-7 OVER BENT 1 HAVE CORROSION IN TOP FLANGES. SECTION LOSS IS NEGLIGIBLE AT THIS TIME

WEST APPROACH LOOKING EAST

TYPICAL WEIGHT LIMIT SIGN

UPSTREAM STRUCTURE ELEVATION

DOWNSTREAM STRUCTURE ELEVATION

DECK OVERVIEW

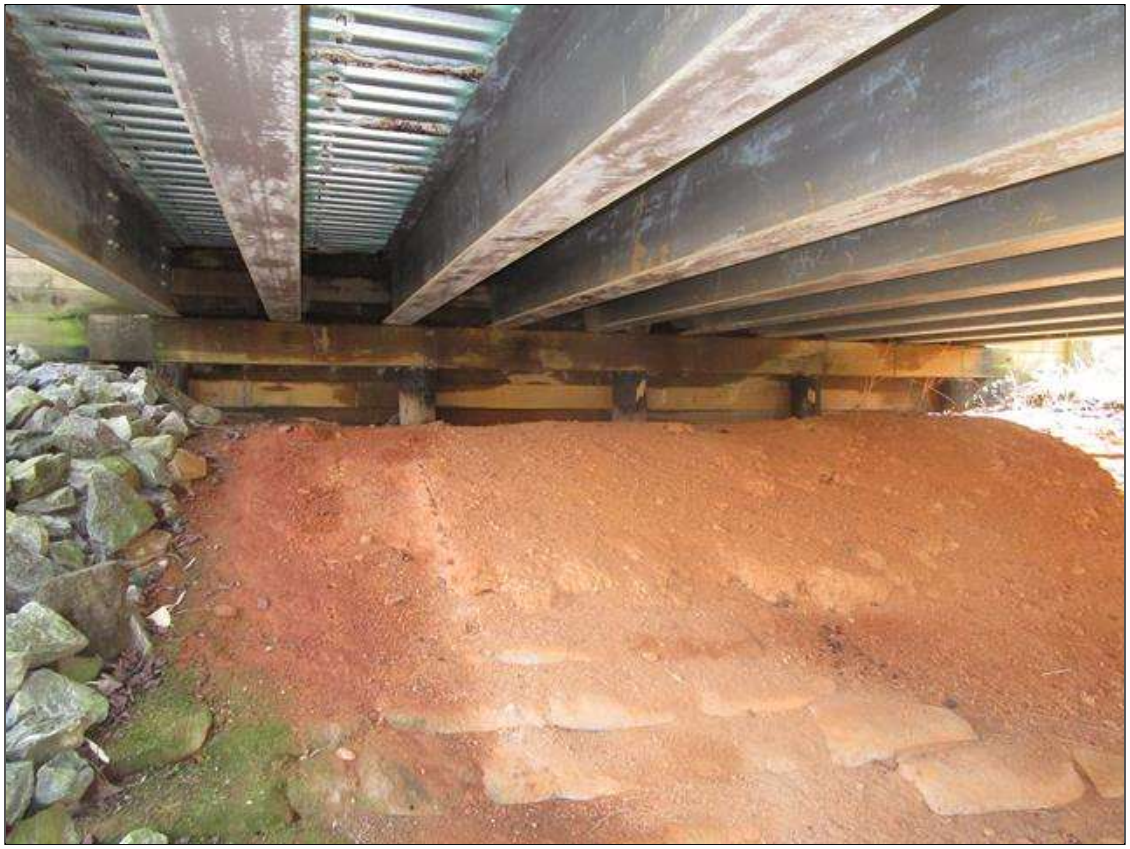
LOOKING DOWNSTREAM

LOOKING UPSTREAM

EAST APPROACH LOOKING WEST

TYPICAL GUARDRAIL END TREATMENT

UNDERSIDE SPAN 3



END BENT 2

BENT 2 LOOKING WEST

UNDERSIDE SPAN 2

BENT 1

END BENT 1

UNDERSIDE SPAN

Stream Bed Soundings

(Profile diagram on following sheet)

County **WILKES** Structure Number: **960166** Inspection Date **12/17/2018**

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

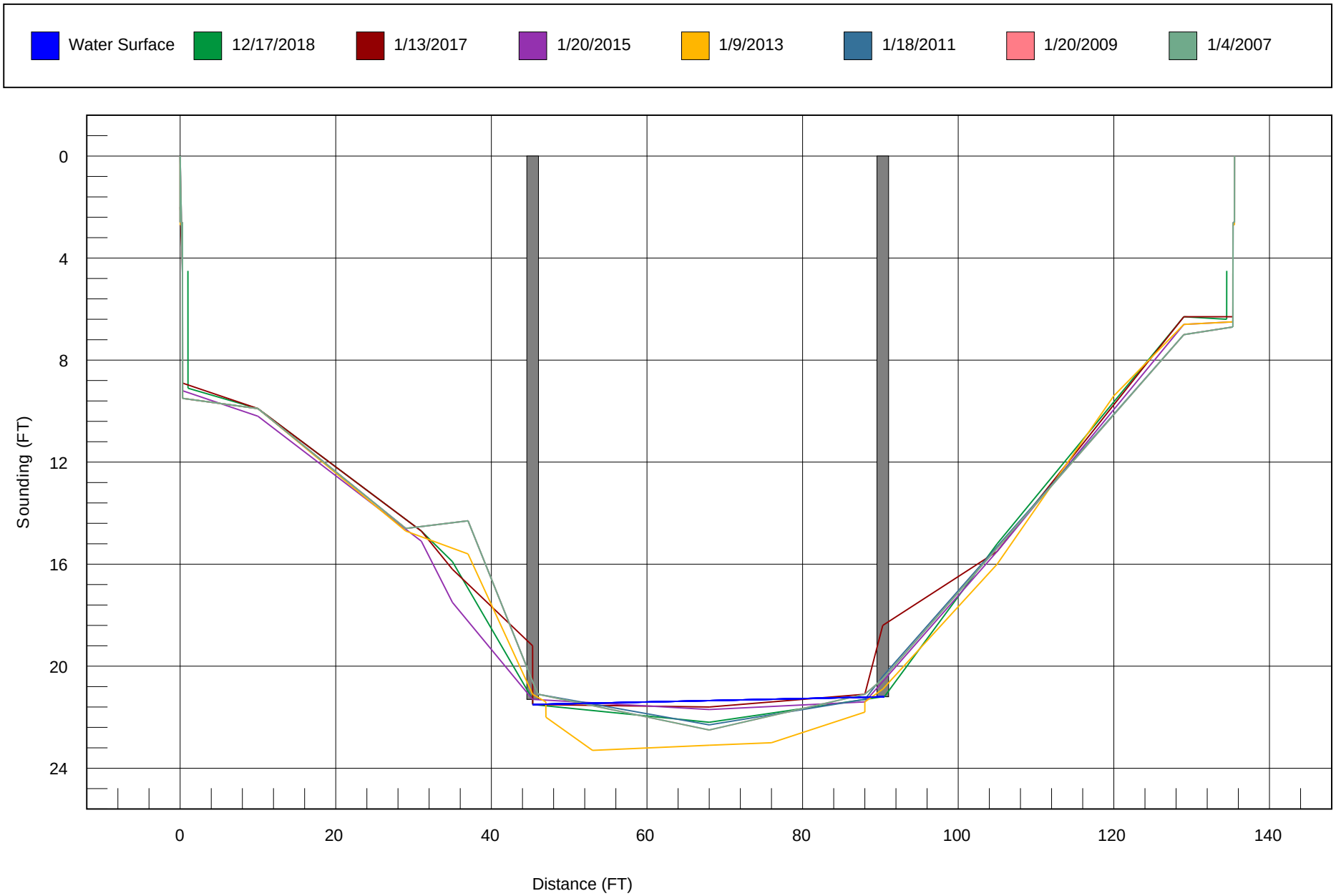
Highwater Mark Distance Location of Highwater Mark

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
1.000	4.500	0.000	TOP OF CAP
1.010	9.100	8.700	FACE OF CAP
10.000	9.900	0.000	
31.000	14.700	0.000	
35.000	15.900	0.000	
45.300	21.300	23.000	BENT 1
45.310	21.500	0.000	WSWE
68.000	22.200	0.000	
90.300	21.200	21.100	BENT 2
90.500	21.200	0.000	WSWE
105.000	15.200	0.000	
129.000	6.300	0.000	
134.500	6.400	6.300	FACE OF CAP
134.510	4.500	0.000	TOP OF CAP

Bridge: 960166 County: WILKES Date: 12/17/2018

STREAMBED PROFILE (Downstream)

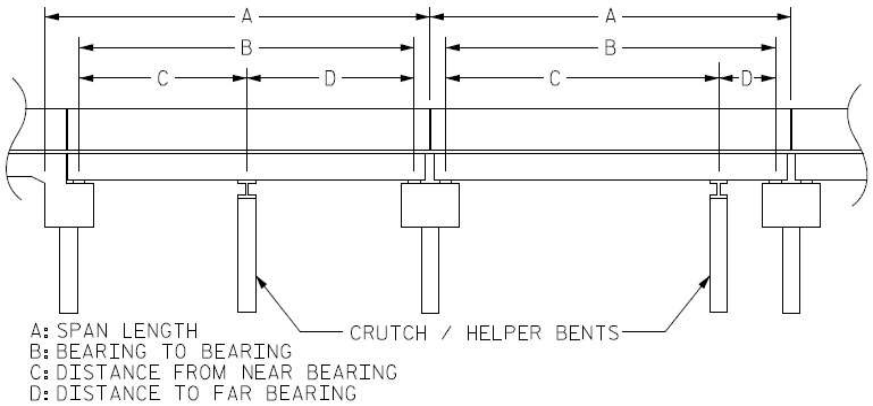
Top of Rail = 0FT (Sounding)



Structure Data Worksheet

Span Profile

County: **WILKES** Structure Number: **960166**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	45.330	44.250			
2	45.000	44.170			
3	45.330	44.250			

NATIONAL BRIDGE INVENTORY-------- STRUCTURE INVENTORY AND APPRAISAL Run Date: 02/07/2019

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **960166**
(8) STRUCTURE NUMBER(FEDERAL) 000000001930166
(5) INVENTORY ROUTE (ON/UNDER) - ON 31017450
(2) STATE HIGHWAY DEPARTMENT DISTRICT 3
(3) COUNTY CODE 193 (4) PLACE CODE 0
(6) FEATURE INTERSECTED - WEST PRONG ROARING RIVER
(7) FACILITY CARRIED SR1745
(9) LOCATION 50 FT.E.JCT.SR1746
(11)MILEPOINT 0
(16)LAT 36° 17' 39.27" (17)LONG 81° 5' 48.49"
(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 - 6 CODE
(108)WEARING SURFACE / PROTECTIVE SYSTEM :
(A) TYPE OF WEARING SURFACE - Bituminous CODE 6
(B) TYPE OF MEMBRANE - None CODE 0
(C) TYPE OF DECK PROTECTION - None CODE 0

AGE AND SERVICE

(27) YEAR BUILT 1977
(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 370
(30) YEAR OF ADT 2012 (109) TRUCK ADT PCT 6%
(19) BYPASS OR DETOUR LENGTH 8 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 44 FT
(49) STRUCTURE LENGTH 136 FT
(50)CURB OR SIDEWALK: LEFT .125 FT RIGHT .125 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 24 FT
(52) DECK WIDTH OUT TO OUT 24.167 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 20 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 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 = 67.52
STATUS = Not 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 5
(59) SUPERSTRUCTURE 6
(60) SUBSTRUCTURE 6
(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-19 35
(65) INVENTORY RATING METHOD - Load Factor 1
(66) INVENTORY RATING - HS-12 21
(70) BRIDGE POSTING - Posting Required 4
(41) STRUCTURE OPEN, POSTED ,OR CLOSED P
DESCRIPTION - Posted for Load

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION 5
(68) DECK GEOMETRY 5
(69) UNDERCLEARANCES,VERTI & HORIZ N
(71) WATERWAY ADEQUACY 7
(72) APPROACH ROADWAY ALIGNMENT 8
(36) TRAFFIC SAFETY FEATURES 0000
(113)SCOUR CRITICAL BRIDGES 8

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 740 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 12/17/2018
(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: 02/07/2019

COUNTY :	DIVISION :	DISTRICT:	STRUCTURE NUMBER :	LENGTH :
WILKES	11	3	960166	136 FEET

ROUTE CARRIED : SR1745

FEATURE INTERSECTED : WEST PRONG ROARING RIVER

LOCATED : 50 FT.E.JCT.SR1746

BRIDGE NAME :

CITY :

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :		RAIL TYPE :			
09	NFA	NFA	370	2012	LT	233	RT	233

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1977	BMU			Unknown

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

NAVIGATION :					HT. CRN. TO BED :		WATER DEPTH :	
VC	0	FT	HC	0	FT	20 FT	1	FT

SUPERSTRUCTURE : STEEL PLANK FLOOR ON I-BEAMS

SUBSTRUCTURE : E.BTS:TIM.CAPS/TIM.PILES;BTS:TIM.CAPS/TIM.POST&CONC.SILLS

SPANS : 1 @ 45'-4; 1 @ 45'; 1 @ 45'-4

BEAMS OR GIRDERS : 10 LINES 21 I-BEAMS @ 2'-6.75 CENTERS

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
STL.PLK/4.5 AWS		24.167 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :			
24 FT	24.25 FT	LT	.125 FT	RT	.125 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :					
HS-12	HS-19	int bm	SV	26	TTST	31	DATE	05/07/2009

SYSTEM : Secondary S.R. Route

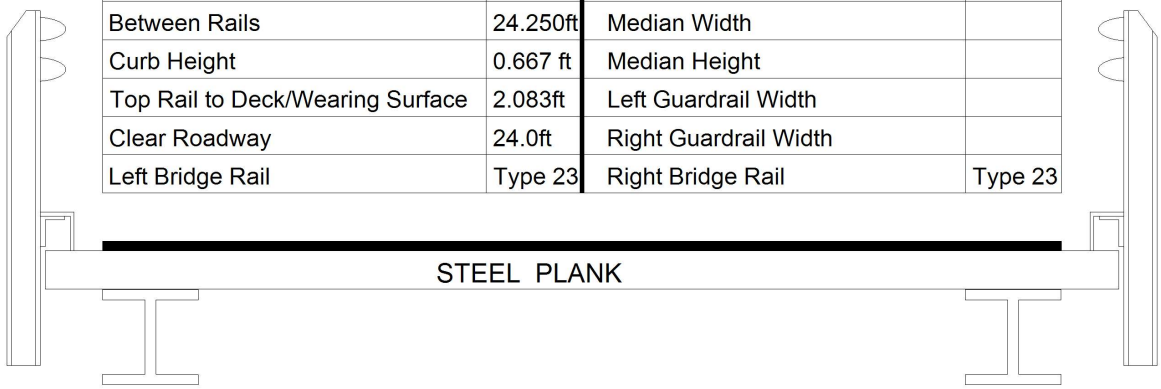
GREEN LINE ROUTE : N

UNDER ROUTES AND CLEARANCES

REMARKS :

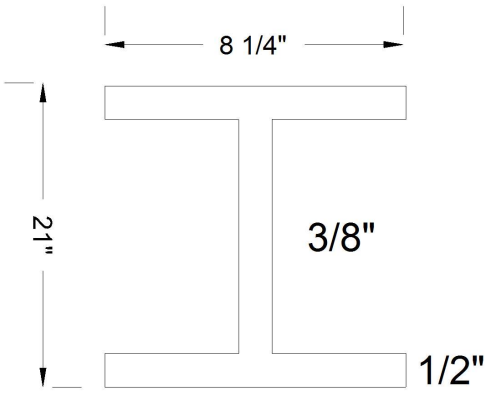
Bridge Inspection Field Sketch

Deck Width/Out to Out	24.167ft	Wearing Surface	0.375ft
Between Rails	24.250ft	Median Width	
Curb Height	0.667 ft	Median Height	
Top Rail to Deck/Wearing Surface	2.083ft	Left Guardrail Width	
Clear Roadway	24.0ft	Right Guardrail Width	
Left Bridge Rail	Type 23	Right Bridge Rail	Type 23



Measurements for Span #	1	SPAN 2 & 3 SIMILAR	
Deck Thickness	0.167	Left Overhang	0.542
Top of Rail to Bottom of Beam	4.500	Right Overhang	0.542

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	2.562ft	
2	Steel I Beam	2.562ft	
3	Steel I Beam	2.562ft	
4	Steel I Beam	2.562ft	
5	Steel I Beam	2.562ft	
6	Steel I Beam	2.562ft	
7	Steel I Beam	2.562ft	
8	Steel I Beam	2.562ft	
9	Steel I Beam	2.562ft	
10	Steel I Beam		



2 5/8" X 10" DIAPH. @ MID-SPAN

VERIFIED MBI 12/17/18

Title	Description
TS	SUPER

Bridge No:	Drawn By:	Date:	File Name:
960166	KCI	01/09/2013	S0126001299

Bridge Inspection Field Sketch

SR 1745

LOOKING NORTH. TAKEN 20' FROM END BENT 1.

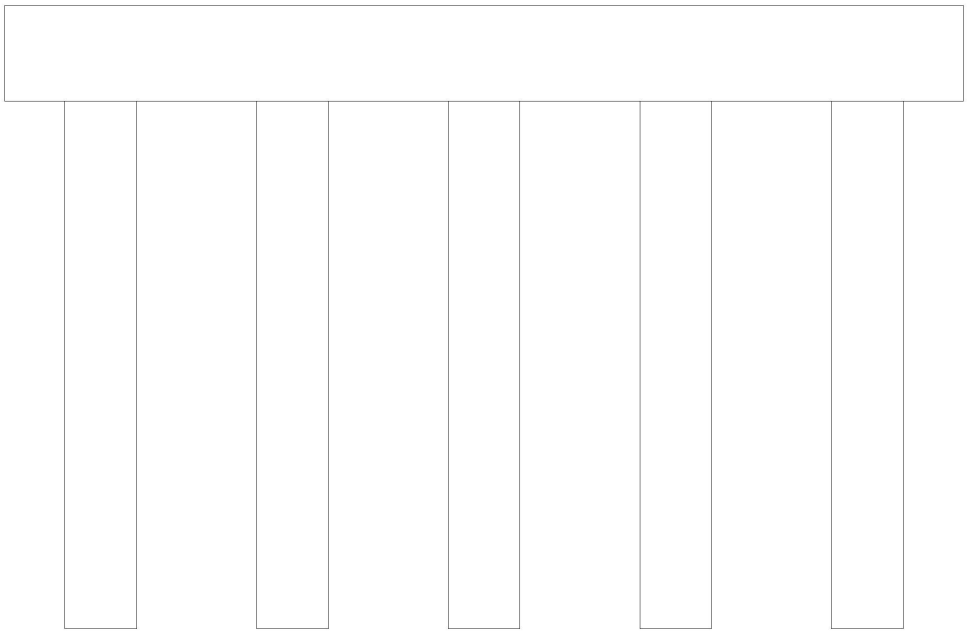
Roadway	18ft Wide	2 Paved Lanes	Looking East
Left Shoulder	4ft Wide	1ft Paved	3ft Unpaved
Right Shoulder	3.5ft Wide	1ft Paved	2.5ft Unpaved
Left Guardrail			
Right Guardrail			

VERIFIED MBI 12/17/18

Title	**Description**
APRW	APPROACH ROADWWAY

Bridge No: 960166	**Drawn By:** G.R.R.	**Date:** 01/04/2007	**File Name:** S0130001510

Bridge Inspection Field Sketch



Abutment #	1	Abutment 2 similar	
Cap - Beam Type (Wood or Steel)			
Cap Size	26ft Long	0.98ft Wide	0.98ft High
Left Overhang	1.5ft	Lt Cap/Beam Overhang	1.5ft
Right Overhang	1.5ft	Rt Cap/Beam Overhang	1.5ft
Sill - Piles			
Sill Size			

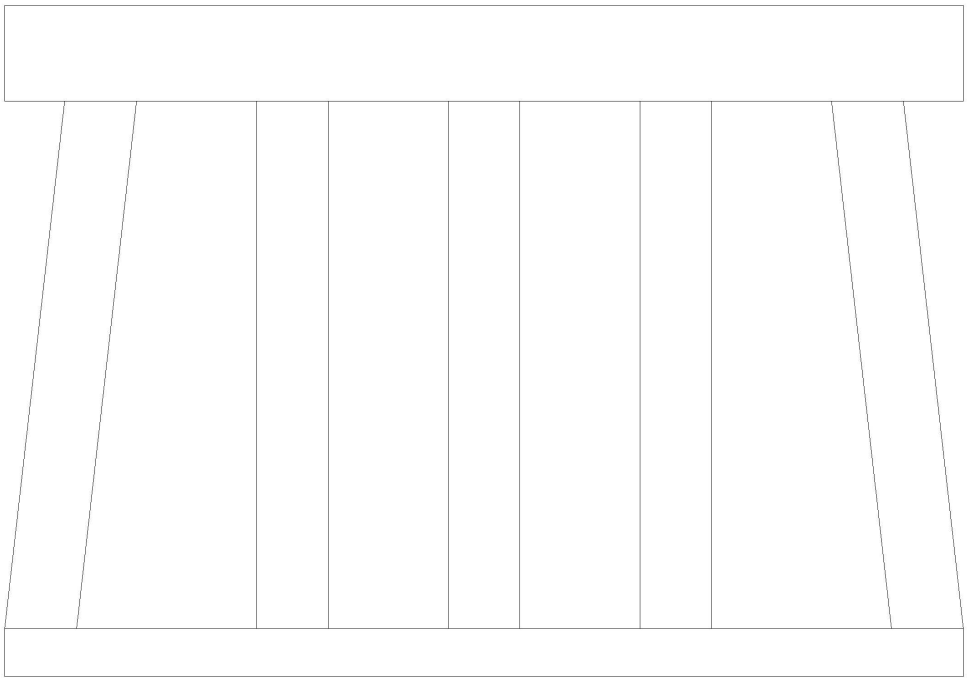
Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Pile Bent	5' 9"		12"		Vertical
2	Wood or Timber	Pile Bent	5' 9"		12"		Vertical
3	Wood or Timber	Pile Bent	5' 9"		12"		Vertical
4	Wood or Timber	Pile Bent	5' 9"		12"		Vertical
5	Wood or Timber	Pile Bent			12"		Vertical

VERIFIED MBI 12/17/18

Title	Description
SUB 1 & 2	SUB AB 1 & 2

Bridge No:	Drawn By:	Date:	File Name:
960166	G.R.R.	01/04/2007	S0130001511

Bridge Inspection Field Sketch



Bent #	1	Bent 2 similar	
Cap - Beam Type (Wood or Steel)			
Cap Size	26ft Long	0.98ft Wide	0.98ft High
Left Overhang	1.5ft	Lt Cap/Beam Overhang	1.250ft
Right Overhang	1.5ft	Rt Cap/Beam Overhang	1.333ft
Sill - Spread			
Sill Size			

Pile #	Material	Pile Type	Spacing	Length	Width/Diam.	Height	Orientation
1	Wood or Timber	Post and Sills	5' 9"		12"		Batter Pile
2	Wood or Timber	Post and Sills	5' 9"		12"		Vertical
3	Wood or Timber	Post and Sills	5' 9"		12"		Vertical
4	Wood or Timber	Post and Sills	5' 9"		12"		Vertical
5	Wood or Timber	Post and Sills			12"		Batter Pile

VERIFIED MBI 12/17/18

Title

SUB P 1 & 2

Description

SUB PIER 1 & 2

Bridge No: 960166 **Drawn By:** G.R.R. **Date:** 01/04/2007 **File Name:** S0130001512