Structure Safety Report

Routine Element Inspection - Contract

		INSPECTION DA	12/17/2018	_			
DIVISION: 11	COUNTY: WILKES	STRUCT	TURE NUMBER: 96	0166	FREQU	UENCY: 24 MOI	NTHS
FACILITY CARRIED	: SR1745				MILE POST:		
LOCATION: 50 FT.	E.JCT.SR1746						
FEATURE INTERSE	CTED: WEST PRONG	G ROARING RIVER					
LATITUDE: 36° 17	" 39.27"	LONGITUDE:	81° 5' 48.49"				
SUPERSTRUCTURE	STEEL PLANK FL	OOR ON I-BEAMS					
SUBSTRUCTURE:	E.BTS:TIM.CAPS/TIM	.PILES;BTS:TIM.CAPS/T	IM.POST&CONC.S	SILLS			
SPANS: 3 SPAN	S. SEE SPAN PROFII	LE SHEET FOR SPAN DI	ETAILS				
FRACTURE CR	ITICAL TEMPO	DRARY SHORING	SCOUR CRITICAL	- [SCOUR F	PLAN OF ACTION	
NBI GRADES:	DECK 5 SU	PERSTRUCTURE 6	SUBSTRUCTURE	6	CULVERT	N	
POSTED SV: 26			POSTED TTST:	31			
OTHER SIGNS PRES	SENT: 2 WEIGHT LII	MIT; 4 DELINEATORS		1	Sign noticed issued for		Number Required
	DAME.		到		NO	WEIGHT LIMIT	0
			V V		NO	DELINEATORS	0
					NO	NARROW BRIDG	≡ 0
Mark He	The state of the s				NO (ONE LANE BRIDG	E 0
					NO	LOW CLEARANC	E 0
					INSPE DIRE	TION OF W. CTION S PLANS	E
WEST APPROACE	H LOOKING EAST						
INSPECTED BY BRANDON ELLIOT		SIGNATURE	Bees		ASSISTED BY	MINDY ISENHOU	R

Structure Element Scoring

Structure Number: 960166 Inspection Date 12/17/201 8

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
30	О	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

1	Deck						
Deck Corru	ıgated						
ent oer	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
S	teel Deck Corrugated/Orthotropic/Etc.	1,096	971	80	45	0 S	Square Feet
Defect Ty	pe Defect Descrip	otion		CS	CS Qty	Maint Qty	
Corrosion				3	45	45	Square Feet
Corrosion	ISOLATED AREAS FOR APPROXIM	_		2	80		Square Feet
	Deck Corruent ent oer Si Defect Ty Corrosion	Deck Corrugated ent Der Element Name Steel Deck Corrugated/Orthotropic/Etc. Defect Type Defect Descrip Corrosion HEAVY CORROSION WITH THROU SECTION LOSS IN RIGHT SIDE ENI Corrosion MODERATE TO HEAVY CORROSION ISOLATED AREAS FOR APPROXIM	Deck Corrugated ent Element Name Qty Steel Deck Corrugated/Orthotropic/Etc. 1,096 Defect Type Defect Description Corrosion HEAVY CORROSION WITH THROUGH THICKNESS SECTION LOSS IN RIGHT SIDE END ANGLE. Corrosion MODERATE TO HEAVY CORROSION IN STEEL DECEMBER 150LATED AREAS FOR APPROXIMATELY 10% OF	Deck Corrugated ent Element Name Qty Qty Steel Deck Corrugated/Orthotropic/Etc. 1,096 971 Defect Type Defect Description Corrosion HEAVY CORROSION WITH THROUGH THICKNESS SECTION LOSS IN RIGHT SIDE END ANGLE. Corrosion MODERATE TO HEAVY CORROSION IN STEEL DECK IN ISOLATED AREAS FOR APPROXIMATELY 10% OF TOTAL	Deck Corrugated ent Element Name Qty Qty Qty Steel Deck Corrugated/Orthotropic/Etc. 1,096 971 80 Defect Type Defect Description CS Corrosion HEAVY CORROSION WITH THROUGH THICKNESS 3 SECTION LOSS IN RIGHT SIDE END ANGLE. Corrosion MODERATE TO HEAVY CORROSION IN STEEL DECK IN 2	Pent Element Name Total CS1 CS2 CS3 Oty Steel Deck Corrugated/Orthotropic/Etc. 1,096 971 80 45 Pefect Type Defect Description CS CS Qty Corrosion HEAVY CORROSION WITH THROUGH THICKNESS 3 45 SECTION LOSS IN RIGHT SIDE END ANGLE. Corrosion MODERATE TO HEAVY CORROSION IN STEEL DECK IN 1 2 80 ISOLATED AREAS FOR APPROXIMATELY 10% OF TOTAL	Pent Element Name Qty

Spa	an 1	Beam 2						
Pla	te Girder							
Nu	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel O	pen Girder/Beam	46	44	2	0	0	Feet
515	Steel P	rotective Coating	246	244	0	2	0	Square Feet
Elemei Numbe	Dofoot Typo	Defect De	scription		cs	CS Qty	Maint Qty	
107	Corrosion	MODERATE CORROSION IN T	OP FLANGE AT BENT	1.	2	2		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP I	FLANGE AT BENT 1.		3	2		2 Square Feet
	General Comments							

Spa	n 1 te Girder	Beam 3						
Elei	ment mber	Element Name pen Girder/Beam	Total Qty 46	CS1 Qty 44	CS2 Qty	CS3 Qty	CS4 Qty	
515	Steel Pr	otective Coating	246	244	0	2	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
107	Corrosion	MODERATE CORROSION IN TO	P FLANGE AT BENT	1.	2	2	•	Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FL	ANGE AT BENT 1.		3	2		2 Square Feet

Span 1		Beam 4						
Plate Girder								
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel C	Open Girder/Beam	46	44	2	0	0	Feet
515	Steel P	Protective Coating	246	244	0	2	0	Square Feet
Element Number Defe	ect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
107 Corrosion	1	MODERATE CORROSION IN TO	P FLANGE AT BENT	· 1.	2	2	-	Feet

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

Spa	an 1			Beam 5						
Pla	te Girder									
	ement imber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107		Steel Op	en Girder/Beam		46	44	2	0	0	Feet
515		Steel Pr	otective Coating		246	244	0	2	0	Square Feet
Eleme Numb	Dofoct	Туре		Defect Description			cs	CS Qty	Maint Qty	
107	Corrosion		2 FT OF MODERATE BENT 1.	E CORROSION IN TOP	FLANGE	AT	2	2		Feet
515	Effectiveness Protective Co		PAINT INEFFECTIVI	E ON TOP FLANGE AT	BENT 1.		3	2	:	2 Square Feet
	General Com	ments								

Spa	n 1	Beam 6						
Plat	e Girder							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	46	44	2	0	0	Feet
515	Steel Pro	otective Coating	246	244	0	2	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect Des	cription		CS	CS Qty	Maint Qty	
107	Corrosion	MODERATE CORROSION IN TO	P FLANGE AT BENT	1.	2	2	-	Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FL	ANGE AT BENT 1.		3	2		2 Square Feet
-	General Comments							

Spa	an 1	Beam 7						
Pla	te Girder							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel O	pen Girder/Beam	46	44	2	0	0	Feet
515	Steel P	rotective Coating	246	244	0	2	0	Square Feet
Eleme	Dofoot Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
107	Corrosion	MODERATE CORROSION IN TO	OP FLANGE AT BENT	1.	2	2		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP F	LANGE 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

Structure	Number: <u>960166</u>			Inspe	ction Date: 12/17/2018
510	Crack (Wearing Surface)	UP TO 1/8" TRANSVERSE CRACKING IN ASPHALT WEARING SURFACE OVER BENT 1	3	48	48 Square Feet
510	/	6' X 4' AREA OF SUNKEN ASPHALT WEARING SURFACE OVER BENT 1	2	24	Square Feet

Spa	an 1	Left Bridge	Rail					
Ste	el Rail							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bi	ridge Railing	46	0	46	0	0 1	eet
515	Steel Pr	otective Coating	136	0	0	136	0 :	Square Feet
Elemer Numbe	Dofoot Typo	Defect Descr	ription		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							

Spa	an 1	Right Bridg	e Rail					
Ste	el Rail							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal I	Bridge Railing	46	0	46	0	0 F	eet
515	Steel F	Protective Coating	136	0	0	136	0 8	Square Feet
Elemer Numbe	Dofoot Typo	Defect Descri	ription		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							

Spa	an 1	Far Bearin	g					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	3	0	0	3	0	Square Feet
Elemer	Dofoot Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING P	LATE.		2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARIN	IG PLATE.		3	3		3 Square Feet
	General Comments							

Spa	n 1	Far Bearing	g					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bo	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	3	0	0	3	0	Square Feet
Elemer Numbe	Defect Type	Defect Desc	ription		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING P	LATE.		2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARIN	IG PLATE.		3	3	;	3 Square Feet
	General Comments							

Spar	າ 1	Near Bearin	ng					
Othe	er Bearing							
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	3	2	0	1	0	Square Feet
lement lumber	Dofoct Typo	Defect Desc	ription		CS	CS Qty	Maint Qty	
316	Corrosion	CORROSION OF ANCHOR BOLTS ANCHOR BOLTS MISSING NUTS.	S AT END BENT 1,		2	1		Each
	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON ANCHOR	R BOLT.		3	1		1 Square Feet
C	General Comments							

Spa	an 1	Far Bearing						
Oth	ner Bearing							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other E	Bearings	1	0	1	0	0 Each	
515	Steel P	rotective Coating	3	0	0	3	0 Square Feet	
Eleme Numbe	Dofoot Typo	Defect Descrip	otion		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLA	TE.		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** Total CS1 CS2 CS3 CS4 **Element Name** Number Qty Qty Qty Qty Qty Other Bearings 316 0 0 0 Each Steel Protective Coating 515 3 2 0 0 1 Square Feet Maint **Element Defect Type Defect Description** CS CS Qty Number Qty 316 HEAVY CORROSION WITH SECTION LOSS IN ANCHOR 3 Corrosion 1 Each BOLTS. 515 Effectiveness (Steel PAINT FAILED ON ANCHOR BOLT. 4 1 Square Feet Protective Coatings)

Spa	n 1	Far Bearing	I					
Oth	er Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	0	1	0	0	Each
515	Steel Pr	rotective Coating	3	0	0	3	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect Descr	ription		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PL	ATE.		2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING	G PLATE.		3	3		3 Square Feet
-	General Comments							

Spa	an 1	Near Bea	ring					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Oth	er Bearings	1	0	1	0	0	Each
515	Stee	el Protective Coating	3	2	0	1	0	Square Feet
Elemer Numbe	Dofoct Type	Defect De	scription		cs	CS Qty	Maint Qty	
316	Corrosion	MODERATE CORROSION IN AI BENT 1.	NCHOR BOLTS AT EN	ID	2	1		Each
515	Effectiveness (Ste		OR BOLT.		3	1		1 Square Feet
	General Comment	s						

Spa	ın 1	Far Bearing	g					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	3	0	0	3	0	Square Feet
Elemer Numbe	Dofoct Type	Defect Desc	ription		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PI	_ATE.		2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARIN	G PLATE.		3	3	3	3 Square Feet
	General Comments							

Span 1		Near Bearing						
Other B	earing							
Element Number	Element Na	ame	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	

Structure	Number: <u>960166</u>			Inspe	ction Date: 12/17/2018
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 Other Beari	Far Bearing ng					
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	Defeat Tune	Defect Description	cs	CS Qty	Maint Qty
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1	Each
	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING PLATE.	3	3	3 Square Feet

ın 1	Near Bear	ing					
er Bearing							
ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty		
Other Be	arings	1	0	1	0	0	Each
Steel Pro	tective Coating	3	2	0	1	0	Square Feet
t r Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
Corrosion	MODERATE CORROSION IN SC END BENT 1.	OUTH ANCHOR BOLT	ГАТ	2	1		Each
Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON ANCHO	OR BOLT.		3	1		1 Square Feet
	er Bearing ment nber Other Be Steel Pro t Defect Type Corrosion Effectiveness (Steel	rer Bearing ment Element Name Other Bearings Steel Protective Coating t Defect Type Defect Des Corrosion MODERATE CORROSION IN SO	rer Bearing Total Qty Other Bearings 1 Steel Protective Coating 3 Total Qty Other Bearings 1 Steel Protective Coating 3 Total Qty Other Bearings 1 Steel Protective Coating 1 Total Qty Other Bearings 1 Steel Protective Coating 1 Total Qty Other Bearings 1 Steel Protective Coating 1 Total Qty Other Bearings 1 Steel Protective Coating 1 Total Qty Other Bearings 1 Steel Paint Name Qty	rer Bearing Total CS1 Act Protective Coating 1 0 Steel Protective Coating 3 2 Total CS1 Act Public CS1 Act Protective Coating 1 0 Steel Protective Coating 3 2 Total CS1 Act Public C	rer Bearing Total CS1 CS2 Qty Qty Qty Other Bearings 1 0 1 Steel Protective Coating 3 2 0 Total CS2 Qty Qty Other Bearings 1 0 1 Steel Protective Coating 3 2 0 Total CS2 Qty Qty Qty Other Bearings 1 0 1 Steel Protective Coating 3 2 0 Total CS1 CS2 Qty Qty Other Bearings 1 0 1 Steel Protective Coating 2 0 Total CS1 CS2 Qty Qty Other Bearings 1 0 1 Steel Protective Coating 2 0 Total CS1 CS2 Qty Qty Other Bearings 1 0 1 Steel Protective Coating 3 2 0 Total CS1 CS2 Qty Qty Qty Other Bearings 1 0 1 Steel Protective Coating 3 2 0 Total CS1 CS2 Qty Qty Qty Qty Qty Other Bearings 1 0 1 Steel Protective Coating 3 2 0	Total CS1 CS2 CS3	Total CS1 CS2 CS3 CS4

	Deck						
eck Corrugate	ed						
	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Steel De	eck Corrugated/Orthotropic/Etc.	1,088	988	100	0	0	Square Feet
Defect Type	Defect Descrip	otion		cs	CS Qty	Maint Qty	
rosion				2	100		Square Feet
	Steel Do	Element Name Steel Deck Corrugated/Orthotropic/Etc. Defect Type Defect Description MODERATE TO HEAVY CORROSIC ISOLATED AREAS FOR APPROXIM	Ck Corrugated Element Name Steel Deck Corrugated/Orthotropic/Etc. Defect Type Defect Description MODERATE TO HEAVY CORROSION IN STEEL DECLISOLATED AREAS FOR APPROXIMATELY 10% OF	Element Name Steel Deck Corrugated/Orthotropic/Etc. Defect Type MODERATE TO HEAVY CORROSION IN STEEL DECK IN ISOLATED AREAS FOR APPROXIMATELY 10% OF TOTAL	Element Name Steel Deck Corrugated/Orthotropic/Etc. Defect Type Defect Description MODERATE TO HEAVY CORROSION IN STEEL DECK IN 1SOLATED AREAS FOR APPROXIMATELY 10% OF TOTAL Total CS1 Qty Qty Qty Qty Qty CS2 Qty	Element Name Steel Deck Corrugated/Orthotropic/Etc. Defect Type MODERATE TO HEAVY CORROSION IN STEEL DECK IN ISOLATED AREAS FOR APPROXIMATELY 10% OF TOTAL Total CS1 CS2 CS3 Qty	Ck Corrugated CS1

Spa	an 2			Beam 2						
Pla	te Girder									
	ement ımber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107		Steel Op	en Girder/Beam		45	44	1	0	0	Feet
515		Steel Pr	otective Coating		246	244	0	2	0	Square Feet
Eleme Numb	Dofoct	Туре		Defect Description			cs	CS Qty	Maint Qty	
107	Corrosion		MODERATE TO HEARINGE AT BENT 1	AVY SURFACE CORR	OSION IN	TOP	2	1		Feet
515	Effectivenes Protective C		PAINT INEFFECTIV	E ON TOP FLANGE AT	BENT 1.		3	2	;	2 Square Feet
	General Com	ments								

Spa Plat	n 2 e Girder	Beam 3						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	45	44	1	0	0	Feet
515	Steel Pro	tective Coating	246	244	0	2	0	Square Feet
lemen umbe	Dofoct Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFACE FLANGE AT BENT 1.	CE CORROSION IN	TOP	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FI	_ANGE AT BENT 1.		3	2		2 Square Feet

Spa	n 2	Beam 4						
Plat	e Girder							
	ment nber Steel Op	Element Name pen Girder/Beam	Total Qty 45	CS1 Qty 43	CS2 Qty 2	CS3 Qty 0	CS4 Qty 0 F	eet
515	Steel Pr	otective Coating	246	242	0	4	0 8	Square Feet
Elemen Numbe	Dofoct Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFACE FLANGE AT BENT 1.	E CORROSION IN	ГОР	2	1		Feet
107	Corrosion	MODERATE TO HEAVY SURFACE FLANGES AT BENT 2.	E CORROSION ON	TOP	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLABENTS.	ANGE AT BOTH INT	TERIOR	3	4	4	Square Feet
	General Comments							

Span 2		Beam 5						
Plate Gi	rder							
Element Number	Element Na	me	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
lement lumber	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

Structure	Number: <u>960166</u>			Inspect	ion Date: <u>12/17/2018</u>
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

Spa	an 2		Beam	6					
Pla	te Girder								
	ment mber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107		Steel O	oen Girder/Beam	45	44	1	0	0	Feet
515		Steel Pi	otective Coating	246	244	0	2	0	Square Feet
Elemer Numbe	Dofoc	t Type	Defec	t Description		CS	CS Qty	Maint Qty	
107	Corrosion		MODERATE TO HEAVY SU FLANGES AT BENT 2.	RFACE CORROSION ON	ITOP	2	1		Feet
515	Effectivenes Protective (PAINT INEFFECTIVE ON TO	OP FLANGE AT BENT 2.		3	2	:	2 Square Feet
	General Cor	nments							

Spa	an 2			Beam 7						
Pla	te Girder									
	ement mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107		Steel Op	en Girder/Beam		45	44	1	0	0	Feet
515		Steel Pro	tective Coating		246	244	0	2	0	Square Feet
Eleme Numbe	Dofoct	Туре		Defect Description			cs	CS Qty	Maint Qty	
107	Corrosion		MODERATE TO HE FLANGES AT BENT	AVY SURFACE CORRO	OSION ON	TOP	2	1		Feet
515	Effectiveness Protective Co	`	PAINT INEFFECTIV	E ON TOP FLANGE AT	BENT 2.		3	2	2	2 Square Feet
	General Com	ments			-					

Spa	n 2	Beam 8								
Plate	e Girder									
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty			
107	Steel O	pen Girder/Beam	45	45	0	0	0	Feet		
515	Steel Pi	rotective Coating	246	244	0	2	0	Square Feet		
Element Number	Dofoct Typo	Defect Des	cription		cs	CS Qty	Maint Qty			
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FI	LANGE AT BENT 2.		3	2	-	2 Square Feet		
_										

Spa	n 2	Wearing S	urface					
Asp	halt Wearing Sur	face						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	Surface	1,080	1,062	18	0	0 8	Square Feet
Elemen Numbe	Dofoct Type	Defect Des	cription		cs	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	UP TO 1/8" TRANSVERSE CRAC WEARING SURFACE OVER BEN			2	18	18	Square Feet
	General Comments							

Spa	an 2	Left Bridge	Rail					
Ste	el Rail							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal B	ridge Railing	45	0	45	0	0 F	-eet
515	Steel Pr	otective Coating	136	0	0	136	0 \$	Square Feet
Eleme	Defect Type	Defect Descri	ription		cs	CS Qty	Maint Qty	
330	Corrosion	SURFACE RUST ALONG ENTIRE	LENGTH.		2	45		Square Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ALONG ENT	TRE LENGTH.		3	136	136	Square Feet
	General Comments							

Spa	an 2	Right Brid	dge Rail					
Ste	el Rail							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bi	ridge Railing	45	0	45	0	0	Feet
515	Steel Pr	otective Coating	136	0	0	136	0	Square Feet
Elemer Numbe	Dofoot Typo	Defect De	scription		cs	CS Qty	Maint Qty	
330	Corrosion	SURFACE RUST ALONG ENTIR	RE LENGTH.		2	45	-	Square Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ALONG LE	ENGTH OF RAIL.		3	136	136	Square Feet
	General Comments							

Spar Othe	n 2 er Bearing	Near Bearin	ng					
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	3	0	0	3	0	Square Feet
lement lumber	Dofoot Typo	Defect Descr	ription		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PL	ATE.		2	1	•	Each
	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING	G PLATE.		3	3	;	3 Square Feet

Spa	an 2	Near Bearin	g					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	1	0	0	Each
515	Steel Pro	otective Coating	3	0	0	3	0	Square Feet
lemer	Defect Type	Defect Descri	ption		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLA	ATE.		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING	PLATE.		3	3	•	3 Square Fee
	General Comments							

Spa Oth	n 2 er Bearing	Near Bearin	g					
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bo	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	3	0	0	3	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLA	ATE.		2	1	•	Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING	PLATE.		3	3		3 Square Feet
-	General Comments							

Spai	n 2	Far Bearin	g					
Othe	er Bearing							
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	3	0	0	3	0	Square Feet
Element Number	Dofoct Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING P	LATE.		2	1	•	Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARIN	IG PLATE.		3	3		3 Square Feet
(General Comments							

Spa Othe	n 2 er Bearing	Near Bearin	g					
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS ⁴ Qty	
316	Other Bo	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	3	0	0	3	0	Square Feet
lemen Numbe	Dofoct Typo	Defect Descr	iption		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLA	ATE.		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING	PLATE.		3	3		3 Square Feet

Spa	an 2	Far Bearing	3					
Oth	ner Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Othe	er Bearings	1	0	1	0	0	Each
515	Stee	el Protective Coating	3	0	0	3	0	Square Feet
Eleme	Dofoot Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PL	_ATE.		2	1	•	Each
515	Effectiveness (Ste Protective Coating		G PLATE.		3	3		3 Square Feet
	General Comment	s						

Spa	n 2	Far Bearing						
Othe	er Bearing							
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	1	0	0	Each
515	Steel Pro	otective Coating	3	0	0	3	0	Square Feet
Elemen Number	Dofoot Typo	Defect Descripti	on		CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE	≣.		2	1	•	Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING P	LATE.		3	3	;	3 Square Feet
-	General Comments							

Spar	n 2	Far Bearin	g					
Othe	er Bearing							
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	3	0	0	3	0	Square Feet
Element Number	Dofoct Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING P	LATE.		2	1	-	Each
	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARIN	IG PLATE.		3	3		3 Square Feet
C	General Comments							

Span 2		Far Bearing						
Other B	earing							
Element Number	Element N	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
lement lumber	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

Structure	Number: <u>960166</u>			Inspection	Date: 12/17/2018
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 Corrugate	ed						
Eleme Numb	er	Element Name eck Corrugated/Orthotropic/Etc.	Total Qty 1,096	CS1 Qty 1,046	CS2 Qty 50	CS3 Qty 0	CS4 Qty	
Element Number	Defect Type	Defect Descrip	ption		cs	CS Qty	Maint Qty	
30 C	Corrosion	MODERATE TO HEAVY CORROSIC ISOLATED AREAS FOR APPROXIM DECK AREA.			2	50		Square Feet

Spa Plat	n 3 e Girder	Beam 4						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel O _l	oen Girder/Beam	46	45	1	0	0	Feet
515	Steel Pr	otective Coating	246	244	0	2	0	Square Feet
lemen lumbe	Dofoct Type	Defect Desc	ription		cs	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFACT FLANGES AT BENT 2.	E CORROSION ON	ITOP	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP FLA	ANGE AT BENT 2.		3	2		2 Square Feet
-	General Comments							

Spa	an 3		В	eam 5						
Pla	te Girder									
	ement Imber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107		Steel Op	en Girder/Beam		46	45	1	0	0	Feet
515		Steel Pr	otective Coating		246	244	0	2	0	Square Feet
Eleme Numbe	Dofoc	t Type		Defect Description			cs	CS Qty	Maint Qty	
107	Corrosion		MODERATE TO HEAVE FLANGES AT BENT 2		OSION ON	TOP	2	1		Feet
515	Effectivenes Protective C		PAINT INEFFECTIVE	ON TOP FLANGE AT	BENT 2.		3	2	2	Square Feet
	General Cor	nments								

Spa	an 3		Beam	6					
Pla	te Girder								
	ement Imber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107		Steel Op	en Girder/Beam	46	45	1	0	0	Feet
515		Steel Pro	otective Coating	246	244	0	2	0	Square Feet
Eleme	Dofoct T	уре	Defec	t Description		CS	CS Qty	Maint Qty	
107	Corrosion		MODERATE TO HEAVY SUFFLANGES AT BENT 2.	IRFACE CORROSION O	N TOP	2	1		Feet
515	Effectiveness Protective Coa		PAINT INEFFECTIVE ON T	OP FLANGE AT BENT 2		3	2	:	2 Square Feet
	General Comm	nents							

Spa Plat	n 3 e Girder	Beam 7						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	46	45	1	0	0	Feet
515	Steel Pro	tective Coating	246	244	0	2	0	Square Feet
lemen lumbe	Dofoct Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
107	Corrosion	MODERATE TO HEAVY SURFA FLANGES AT BENT 2.	CE CORROSION ON	TOP	2	1	-	Feet
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON TOP F	LANGE AT BENT 2.		3	2		2 Square Feet

Spa	an 3		E	Beam 8						
Pla	te Girder									
	ement ımber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107		Steel Op	en Girder/Beam		46	45	1	0	0	Feet
515		Steel Pr	otective Coating		246	244	0	2	0	Square Feet
Eleme Numb	Dofoct	Туре		Defect Description			cs	CS Qty	Maint Qty	
107	Corrosion		MODERATE TO HEA FLANGES AT BENT	VY SURFACE CORRO 2.	OSION ON	ITOP	2	1		Feet
515	Effectivenes Protective C		PAINT INEFFECTIVE	ON TOP FLANGE AT	BENT 2.		3	2	2	2 Square Feet
	General Com	ments								

Span 3		Left Bridge Rail						
Steel Rail								
Element Number	Element Nam		Γotal 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 De	fect Type	Defect Description			cs	CS Qty	Maint Qty	
330 Corrosio	n SURFACE RUST	ALONG ENTIRE LENGTH.			2	46	•	Square Feet

Inspection Date: <u>12/17/2018</u> Structure Number: 960166

3

136

136 Square Feet

Effectiveness (Steel PROTECTIVE COATING INEFFECTIVE ALONG ENTIRE

Protective Coatings) LENGTH OF RAIL.

General Comments

Spa	an 3	Right Brid	ge Rail					
Ste	el Rail							
	ement imber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Met	al Bridge Railing	46	0	46	0	0	Feet
515	Ste	el Protective Coating	136	0	0	136	0	Square Feet
Eleme	Dofoot Type	e Defect Des	cription		cs	CS Qty	Maint Qty	
330	Corrosion	SURFACE RUST ALONG ENTIR	E LENGTH.		2	46		Square Feet
515	Effectiveness (Ste Protective Coating		CTIVE ALONG ENTIR	E	3	136	136	S Square Feet
	General Commen	ts						

Spa	n 3	Near Bearing						
Othe	er Bearing							
	nent nber Other B	Element Name	Total Qty	CS1 Qty 0	CS2 Qty	CS3 Qty	CS4 Qty	
515		otective Coating	3	0	0	3	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLAT	E.		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING P	LATE.		3	3		3 Square Feet
-	General Comments							

Spa Oth	ın 3 er Bearing	Far Bearin	ng					
	ment mber Other Be	Element Name arings	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty 1	CS4 Qty	
515	Steel Pro	stective Coating	3	2	0	0	1	Square Feet
lemen lumbe	Dofoot Tymo	Defect Des	cription		cs	CS Qty	Maint Qty	
316	Corrosion	HEAVY CORROSION AND SECT BOLT AT END BENT 2.	TION LOSS IN ANCHO	OR	3	1	-	1 Each
515	Effectiveness (Steel Protective Coatings)	PAINT FAILED ON ANCHOR BO	LT.		4	1		1 Square Feet

Spa	an 3	Near Bearin	g					
Oth	er Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bo	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	3	0	0	3	0	Square Feet
lemer	Defect Type	Defect Descr	iption		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PL	ATE.		2	1	•	Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING	PLATE.		3	3		3 Square Feet
	General Comments							

Spa Oth	n 3 er Bearing	Near Bearin	g					
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bo	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	3	0	0	3	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect Descr	iption		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PL	ATE.		2	1	•	Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING	9 PLATE.		3	3		3 Square Feet
-	General Comments							

Spa	ın 3	Near Beari	ng					
Oth	er Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	3	0	0	3	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING P	LATE.		2	1	•	Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARIN	IG PLATE.		3	3		3 Square Feet
-	General Comments							

Spa Othe	n 3 er Bearing	Near Bearin	g					
Nun		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS ⁴ Qty	1
316	Other Bo	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	3	0	0	3	0	Square Feet
lemen Numbe	Dofoct Typo	Defect Descr	iption		cs	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PL	ATE.		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT INEFFECTIVE ON BEARING	PLATE.		3	3		3 Square Feet

Structure Number: 960166 Inspection Date: <u>12/17/2018</u>

General Comments

End	Bent 1	Cap 1						
Tim	ber Pier Cap							
	ment nber Timbe	Element Name r Pier Cap	Total Qty 26	CS1 Qty 24	CS2 Qty 2	CS3 Qty 0	CS4 Qty	Feet
Elemen Numbe	Dofoot Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
235	Damage	HEAVY DEBRIS BUILDUP ON TO	P OF PILE CAP, BA	Y 5.	2	1		I Feet
235	Split/Delamination (Timber)	1 FT HORIZONTAL SPLIT UP TO CAP ABOVE PILE 4.	1/8 IN, EAST FACE	OF PILE	2	1		Feet
	General Comments							

End Be	nt 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 Descr	ription		cs	CS Qty	Maint Qty
206 Che	eck/Shake	VERTICAL CHECKS THROUGHOU	JT.		2	1	1 Each

General Comments

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

General Comments

DEBRIS BUILDUP ON BENT 1 CAP

Ber	nt 1	Pile 2						
Tim	ber Column							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Each
Elemer	nt Defect Type		cription			CS Qty	Maint	Еасп
Numbe 206	Check/Shake	CHECKS IN BRACE BEGINNING BETWEEN PILES 2 AND 3.	•		2	00 u .y	Qty	Each
206	Check/Shake General Comments	CHECKS THROUGHOUT PILE.			2	1	1	Each

Bent 1		Pile 3					
Timber	Column						
Elemen Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
206	Timber	Column	1	0	1	0	0 Each
ement umber	Defect Type	Defect Desc	ription		cs	CS Qty	Maint Qty
206 Ch	eck/Shake	CHECKS THROUGHOUT PILE.			2	1	1 Each

General Comments

End Ber	nt 2	Cap 1					
Timber I	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 Des	cription		cs	CS Qty	Maint Qty
235 Dam	nage	DEBRIS BUILDUP ON TOP OF C	AP IN ALL BAYS.		2	20	20 Feet

General Comments

End E	Bent 2	Pile 1						
Timbe	er Column							
Eleme Numb		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 Desc	ription		cs	CS Qty	Maint Qty	
206 [Decay/Section Loss	5" DIAMETER X 1" DEEP DECAY			2	1		Each
Ge	eneral Comments							

Ben	it 2	Cap 1						
Tim	ber Pier Cap							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
235	Timber	Pier Cap	26	14	12	0	0	Feet
Elemen Numbe	Dofoct Typo	Defect Desc	cription		CS	CS Qty	Maint Qty	
235	Check/Shake	LONGITUDINAL CHECKS IN BOT PILES 4 AND 5.	TOM FACE BETWE	EN	2	8	8	3 Feet
235	Split/Delamination (Timber)	4 FT X 3 IN WIDE X 2 IN DEEP DI OF PILE CAP BETWEEN PILES 3		OTTOM	2	4		Feet

							-1	
Ben	t 2	Pile 1						
Tim	ber Column							
Elen Nun		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
206	Timber	Column	1	0	0	1	0	Each
Elemen Numbe	Dofoot Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
206	Split/Delamination (Timber)	3 FT HIGH X 6 IN WIDE DELAMINA PILE NEAR BASE.	ATION, NORTH FA	CE OF	3	1	•	1 Each
206	Check/Shake	VERTICAL CHECKS THROUGHOU	JT BASE OF PILE.		2			1 Each

Bent 2	Pile 2

Tim	Timber Column								
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty		
206	Timber	Column	1	0	1	0	0 Ea	ich	
Elemer	Dofoot Typo	Defect Desc	ription		cs	CS Qty	Maint Qty		
206	Decay/Section Loss	2' HIGH X 3" WIDE X 0.5" DEEP DI FACE	ECAY IN NORTHEAS	ST	2	1		Each	

General Comments

<u> </u>								
Column								
	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Timber (Column		1	0	1	0	0 1	Each
Defect Type	D	efect Description			cs	CS Qty	Maint Qty	
ay/Section Loss	VERTICAL CHECKS T	HROUGHOUT PILE.			2	1	1	Each
а	Defect Type	Timber Column Defect Type Day/Section Loss VERTICAL CHECKS THE	Timber Column Defect Type Defect Description ay/Section Loss VERTICAL CHECKS THROUGHOUT PILE.	Timber Column 1 Defect Type Defect Description ay/Section Loss VERTICAL CHECKS THROUGHOUT PILE.	Timber Column 1 0 Defect Type Defect Description ay/Section Loss VERTICAL CHECKS THROUGHOUT PILE.	Element Name Qty Qty Qty Timber Column 1 0 1 Defect Type Defect Description CS ay/Section Loss VERTICAL CHECKS THROUGHOUT PILE. 2	Timber Column Qty Qty Qty Qty Timber Column 1 0 1 0 Defect Type Defect Description CS CS Qty ay/Section Loss VERTICAL CHECKS THROUGHOUT PILE. 2 1	Element Name Qty Qty <t< td=""></t<>

Bent 2		Pile 4					
Timber C	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 Descri	iption		cs	CS Qty	Maint Qty
206 Chec	k/Shake	VERTICAL CHECKS THROUGHOU	IT PILE.		2	1	1 Each

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
lement lumber	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty
206 Ch	eck/Shake	FULL HEIGHT VERTICAL CHECK	KS THROUGHOUT P	ILE.	2	1	1 Each

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	Υ
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



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.



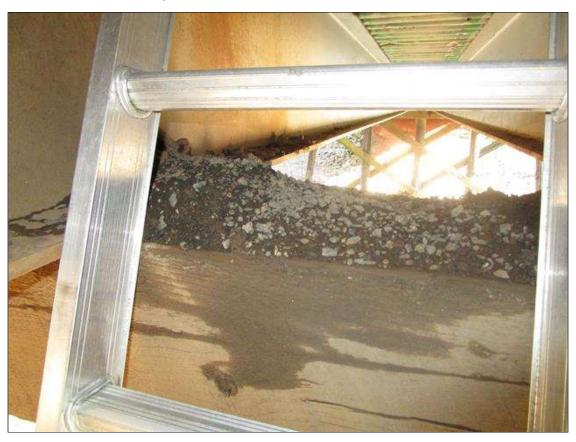
Span 1 Beam 4 Near Bearing: CORROSION OF ANCHOR BOLTS AT END BENT 1, ANCHOR BOLTS MISSING NUTS.



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



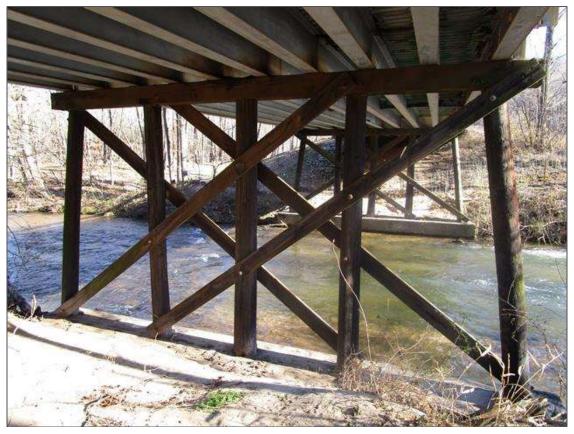
END BENT 2



BENT 2 LOOKING WEST



UNDERSIDE SPAN 2



BENT 1



END BENT 1



UNDERSIDE SPAN

Stream Bed Soundings (Profile diagram on following sheet)

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

Sounding recorded from: Top of Bridge Rail

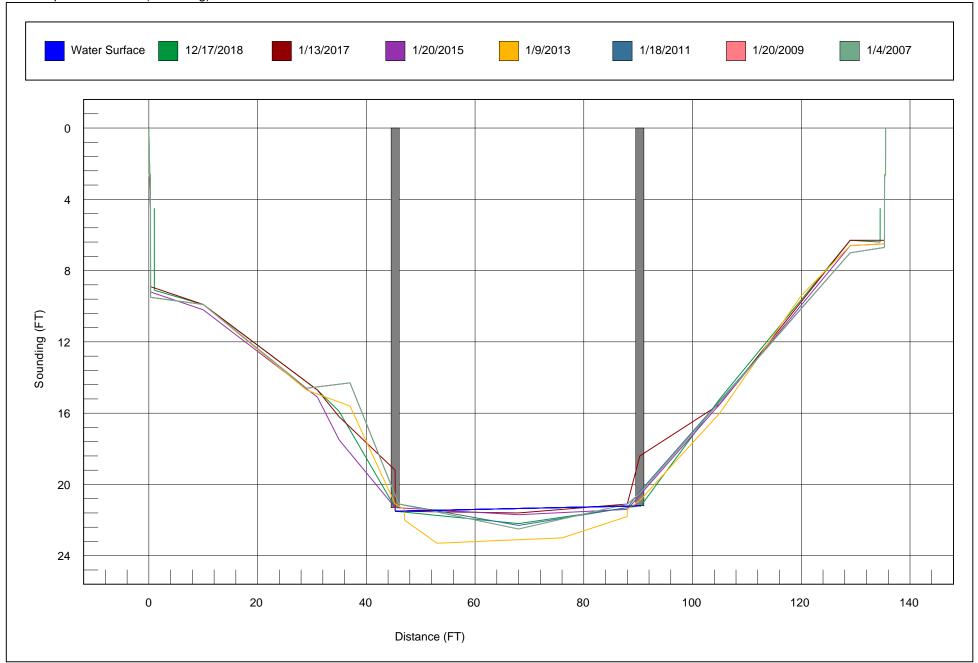
Highwater Mark Distance Location of Highwater Mark

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)

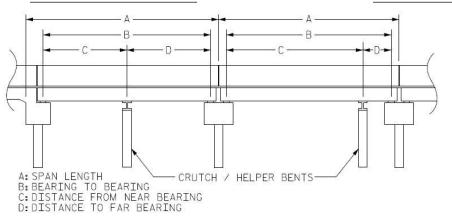




Structure Data Worksheet

Span Profile





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	SUFFICIENCY RATING =	67.52
(8) STRUCTURE NUMBER(FEDERAL) 000	0000001930166	STATUS = Not Deficient	
(5) INVENTORY ROUTE (ON/UNDER) - ON	31017450		
(2) STATE HIGHWAY DEPARTMENT DISTRICT	3		CODE
(3) COUNTY CODE 193 (4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -	YES
(6) FEATURE INTERSECTED - WEST PRONG ROARING RIVER		(104)HIGHWAY SYSTEM Is not on NHS	0
(7) FACILITY CARRIED SR1745		(26) FUNCTIONAL CLASS - Local	09
(9) LOCATION 50 FT.E.JCT.SR1746		(100)STRAHNET HIGHWAY - Not a STRAHNET Route	0
(11)MILEPOINT	0	(101)PARALLEL STRUCTURE - No Parallel Structure	N
(16)LAT 36° 17' 39.27" (17)LONG 81° 5' 48	.49"	(102)DIRECTION OF TRAFFIC - 2-way Traffic	2
(98)BORDER BRIDGE STATE CODE PCT SHA	ARE	(103)TEMPORARY STRUCTURE -	
(99)BORDER BRIDGE STRUCTURE NO		(110)DESIGNATED NATIONAL NETWORK - Not on the National Network	0
		(20) TOLL On Free Road	3
STRUCTURE TYPE AND MATERIAL		(31) MAINTAIN - State Highway Agency	01
(43) STRUCTURE TYPE MAIN: Steel		(22) OWNER - State Highway Agency	01
TYPE - Stringer Mutlibeam or Girder	CODE 302	(37) HISTORICAL SIGNIFICANCE - Not Eligible	5
(44) STRUCTURE TYPE APPR :		· ,	
TYPE -	CODE 000	CONDITION	CODE
(45) NUMBER OF SPANS IN MAIN UNIT	3	(58) DECK	5
(46) NUMBER OF APPROACH SPANS		(59) SUPERSTRUCTURE	6
(107)DECK STRUCTURE TYPE - 6	CODE	(60) SUBSTRUCTURE	6
(108)WEARING SURFACE / PROTECTIVE SYSTEM :		(61) CHANNEL & CHANNEL PROTECTION	7
(A) TYPE OF WEARING SURFACE - Bituminous	CODE 6	(62) CULVERTS	N
(B) TYPE OF MEMBRANE - None	CODE 0		CODE .
(C) TYPE OF DECK PROTECTION - None	CODE 0		CODE ·
(4)		(- /	1
AGE AND SERVICE		(63) OPERATING RATING METHOD - Load Factor (64) OPERATING RATING - HS-19	
(27) YEAR BUILT	1977		35 1
(106)YEAR RECONSTRUCTED		(/	
(42) TYPE OF SERVICE : ON - Highway		(66) INVENTORY RATING - HS-12	21
UNDER - Waterway	CODE 15	(70) BRIDGE POSTING - Posting Required	4
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE	0	(41) STRUCTURE OPEN, POSTED ,OR CLOSED DESCRIPTION - Posted for Load	Р
(29) AVERAGE DAILY TRAFFIC	370		CODE
(30) YEAR OF ADT 2012 (109) TRUCK ADT PCT	6%	(67) STRUCTURAL EVALUATION	5
(19) BYPASS OR DETOUR LENGTH	8 MI	(68) DECK GEOMETRY	5
GEOMETRIC DATA		(69) UNDERCLEARANCES, VERTI & HORIZ	N
(48) LENGTH OF MAXIMUM SPAN	44 FT	(71) WATERWAY ADEQUACY	7
(49) STRUCTURE LENGTH	136 FT	(72) APPROACH ROADWAY ALIGNMENT	8
(50)CURB OR SIDEWALK: LEFT .125 FT RIGHT	.125 FT	(36) TRAFFIC SAFETY FEATURES	0000
(51) BRIDGE ROADWAY WIDTH CURB TO CURB	24 FT	(113)SCOUR CRITICAL BRIDGES	8
(52) DECK WIDTH OUT TO OUT	24.167 FT	, ,	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)	20 FT	PROPOSED IMPROVEMENTS	
(33) BRIDGE MEDIAN - No Median	CODE 0	(75) TYPE OF WORK - CODE	
(34) SKEW 0° (35) STRUCTURE FLARED		(76) LENGTH OF STRUCTURE IMPROVEMENT	
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9 FT	(94) BRIDGE IMPROVEMENT COST	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	24 FT	(95) ROADWAY IMPROVEMENT COST	
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9 FT	(96) TOTAL PROJECT COST	
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad	0 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad	000 FT	(114)FUTURE ADT 740 (115) YEAR FUTURE ADT	2025
(56) MIN LAT UNDERCLEAR LT REF -	000 FT		
(55) Ett Grøender itt et ittel	00011	(90) INSPECTION DATE	2/17/2018
NAVIGATION DATA		(92) CRITICAL FEATURE INSPECTION: (93) CFI DATE	
(39) NAVICATION CONTROL No Newigational Control			
(38) NAVIGATION CONTROL - No Navigational Control	CODE 0	A) FRACTURE CRIT DETAIL - NO A)	
(111)PIER PROTECTION -	CODE 0	A) FRACTURE CRIT DETAIL - NO A) B) UNDERWATER INSP - NO B)	
- · · · · · · · · · · · · · · · · · · ·		,	
(111)PIER PROTECTION -	CODE	B) UNDERWATER INSP - NO B)	

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Run Date: 02/07/2019

CITY:

COUNTY: **DIVISION:** DISTRICT: STRUCTURE NUMBER: LENGTH:

136 WILKES 960166 FEET

ROUTE CARRIED: FEATURE INTERSECTED:

SR1745 WEST PRONG ROARING RIVER

LOCATED: BRIDGE NAME: 50 FT.E.JCT.SR1746

FUNC. CLASS: SYST.ON: SYST.UNDER: ADT & YR:

RAIL TYPE: NFA NFA 370 2012 LT 233 RT 233

BUILT: BY: PROJ: FED.AID PROJ: **DESIGN LOAD:**

BMU Unknown 1977

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

NAVIGATION: HT. CRN. TO BED: WATER DEPTH:

0 HC 0 20 FT FT VC FT FT

SUPERSTRUCTURE: STEEL PLANK FLOOR ON I-BEAMS

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

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

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

DECK (OUT TO OUT): FLOOR: **ENCROACHMENT:**

STL.PLK/4.5 24.167 FT

AWS

CLEAR ROADWAY: BETWEEN RAILS: SIDEWALK OR CURB:

24 FT 24.25 FT LT .125 FT RT .125 FT

VERT.CL.OVER:

999.9 FT

OPE.RTG.: INV.RTG.: CONTR.MEMBER: POSTED:

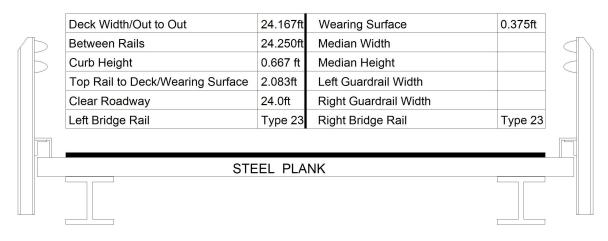
HS-12 HS-19 int bm SV 26 **TTST** 31 DATE 05/07/2009

SYSTEM: **GREEN LINE ROUTE:**

Secondary S.R. Route Ν

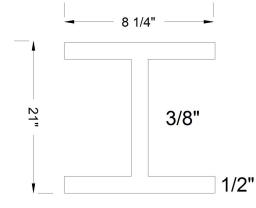
UNDER ROUTES AND CLEARANCES

REMARKS:



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: 960166	Drawn By: KCI		Date: 01/09/2013	File Name: S0126001299		

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			



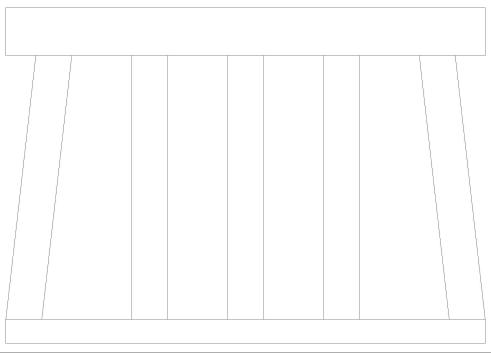
Abutment #	1	Abutment 2 similar			
Cap - Beam Type (Wood or Steel)					
Cap Size	26ft Long	0.98ft Wide	0.98ft High		
Left Overhang	1.5ft	t Cap/Beam Overhang	1.5ft		
Right Overhang	1.5ft	Rt Cap/Beam Overhang	1.5ft		
Sill - Piles					
Sill Size					

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: 960166 Drawn By: G.R.R. Date: 01/04/2007 File Name: \$0130001511



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 L	t Cap/Beam Overhang	1.250ft	
Right Overhang	1.5ft F	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		Description		
SUB P 1 & 2		SUB PIER 1 & 2		
Bridge No: 960166	Drawn By: G.R.R.		Date: 01/04/2007	File Name: \$0130001512