



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: **CRITICAL FIND, PAR'S, STRUCTURE IS NEWLY DEFICIENT, NEW SALVAGE BEAM SKETCH**

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 04/02/2019

DIVISION: 11 COUNTY: WILKES STRUCTURE NUMBER: 960733 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR2516 MILE POST: _____

LOCATION: 0.6 MI.W.JCT.SR1001

FEATURE INTERSECTED: CUB CREEK

LATITUDE: 36° 7' 59.31" LONGITUDE: 81° 9' 17.93"

SUPERSTRUCTURE: STEEL PLANK FLOOR ON I-BEAMS

SUBSTRUCTURE: E.BTS:TIMBER CAPS/TIMBER PILES @ 6'-4 CENTERS

SPANS: 1 SPAN. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

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

NBI GRADES: DECK 7 SUPERSTRUCTURE 5 SUBSTRUCTURE 4 CULVERT N

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: 4 DELINEATORS



WEST APPROACH LOOKING EAST

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

DIRECTION OF INSPECTION W-E

DIRECTION MATCHES PLANS _____

INSPECTED BY
BRANDON ELLIOT

SIGNATURE

ASSISTED BY JOSH KENNEDY

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

IDENTIFICATION							
(1) STATE NAME	NORTH CAROLINA	BRIDGE	960733	SUFFICIENCY RATING	53.290000		
(8) STRUCTURE NUMBER (FEDERAL)			1930733	STATUS =	Structurally Deficient		
(5) INVENTORY ROUTE (ON/UNDER)	ON		131025160	CLASSIFICATION	CODE		
(2) STATE HIGHWAY DEPARTMENT DISTRICT			11	(112) NBIS BRIDGE SYSTEM		YES	
(3) COUNTY CODE (FEDERAL)	193	(4) PLACE CODE	74020	(104) HIGHWAY SYSTEM	Inventory Route not on NHS	0	
(6) FEATURE INTERSECTED	CUB CREEK			(26) FUNCTIONAL CLASS	Urban Local	19	
(7) FACILITY CARRIED	SR2516			(100) STRAHNET HIGHWAY	Not a STRAHNET Route	0	
(9) LOCATION	0.6 MI.W.JCT.SR1001			(101) PARALLEL STRUCTURE	No parallel structure exists	N	
(11) MILEPOINT			0.0	(102) DIRECTION OF TRAFFIC	2-way traffic	2	
(12) BASE HIGHWAY NETWORK			0	(103) TEMPORARY STRUCTURE			
(13) LRS INVENTORY ROUTE & SUBROUTE				(110) DESIGNATED NATIONAL NETWORK - on national network for trucks		0	
(16) LATITUDE	36° 7' 59.31"	(17) LONGITUDE	81° 9' 17.93"	(20) TOLL	On Free Road	3	
(98) BORDER BRIDGE STATE CODE		PERCENT SHARED		(21) MAINT -		01	
(99) BORDER BRIDGE STRUCTURE NUMBER				(22) OWNER -		01	
STRUCTURE TYPE AND MATERIAL				(37) HISTORICAL SIGNIFICANCE -		5	
(43) STRUCTURE TYPE MAIN			Steel				
TYPE	Stringer/Multi-beam or girder	CODE	302				
(44) STRUCTURE TYPE APPROACH				CONDITION	CODE		
TYPE		CODE		(58) DECK		7	
(45) NUMBER OF SPANS IN MAIN UNIT			1	(59) SUPERSTRUCTURE		5	
(46) NUMBER OF SPANS IN APPROACH			0	(60) SUBSTRUCTURE		4	
(107) DECK STRUCTURE TYPE		CODE	6	(61) CHANNEL & CHANNEL PROTECTION		7	
(108)WEARING SURFACE/PROTECTIVE SYSTEM				(62) CULVERTS		N	
(A) TYPE OF WEARING SURFACE		CODE	6	LOAD RATING AND POSTING	CODE		
(B) TYPE OF MEMBRANE		CODE	0	(31) DESIGN LOAD	Unknown	0	
(C) TYPE OF DECK PROTECTION		CODE	0	(63) OPERATING RATING METHOD -	Allowable Stress	2	
AGE AND SERVICE				(64) OPERATING RATING -	HS-24	46	
(27) YEAR BUILT			1974	(65) INVENTORY RATING METHOD -		2	
(106) YEAR RECONSTRUCTED			0.000000	(66) INVENTORY RATING	HS-18	34	
(42) TYPE OF SERVICE ON -		Highway		(70) BRIDGE POSTING	No Posting Required	5	
OFF -		Waterway	CODE 15	(41) STRUCTURE OPEN, POSTED, OR CLOSED		A	
(28) LANES ON STRUCTURE	2	LANES UNDER STRUCTURE	0	DESCRIPTION	Open, no restriction		
(29) AVERAGE DAILY TRAFFIC			900	APPRAISAL	CODE		
(30) YEAR OF ADT	1996	(109) TRUCK ADT PCT	7	(67) STRUCTURAL EVALUATION		4	
(19) BYPASS OR DETOUR LENGTH			99.0	(68) DECK GEOMETRY		4	
GEOMETRIC DATA				(69) UNDERCLEARANCES, VERT & HORIZ		N	
(48) LENGTH OF MAXIMUM SPAN			34.0	(71) WATERWAY ADEQUACY		4	
(49) STRUCTURE LENGTH			36.0	(72) APPROACH ROADWAY ALIGNMENT		4	
(50) CURB OR SIDEWALK: LEFT	0.0	RIGHT	0.0	(36) TRAFFIC SAFETY FEATURES		0000	
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB			24.1	(113) SCOUR CRITICAL BRIDGES		U	
(52) DECK WIDTH OUT TO OUT			24.1	PROPOSED IMPROVEMENTS	CODE		
(32) APPROACH ROADWAY WITH (W/ SHOULDERS)			20.0	(75) TYPE OF WORK			
(33) BRIDGE MEDIAN		No median	CODE 0	(76) LENGTH OF STRUCTURE IMPROVEMENT			
(34) SKEW	30	(35) STRUCTURE FLARED	0	(94) BRIDGE IMPROVEMENT COST			
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9	(95) ROADWAY IMPROVEMENT COST			
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			24.1	(96) TOTAL PROJECT COST			
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9	(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(54) MIN VERT UNDERCLEAR: REFERENCE			0.0	(114) FUTURE ADT	1,800	YEAR OF FUTURE ADT	2025
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE		N	0.0	INSPECTION			
(56) MIN LAT UNDERCLEARANCE LT:			0.0	(90) INSPECTION DATE	04/17	(91) FREQUENCY	24
NAVIGATION DATA				(92) CRITICAL FEATURE INSPECTION		(93) CFI DATE	
(38) NAVIGATION CONTROL -		CODE	0	A) FRACTURE CRIT DETAIL	0	A)	
(111) PIER PROTECTION		CODE		B) UNDERWATER INSP	0	B)	
(39) NAVIGATION VERTICAL CLEARANCE			0.0	C) OTHER SPECIAL INSP	0	C)	
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR			0.0	SCOUR			
(40) NAVIGATION HORIZONTAL CLEARANCE			0.0				

Superstructure Build Details

Span Number 1

Span Length 35.8300

Skew 60.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
16	Fixed Bearing	Fixed Bearing	16	Each	Galvanized Protective System	16
10	Plate Girder	Steel Open Girder/Beam	360	Feet	Legacy Non Lead Primer System with various Topcoats	2300
1	Steel Deck Corrugated	Steel Deck Corrugated/Orthotropic/Etc.	869	Square Feet	Galvanized Protective System	869
2	Steel Rail	Metal Bridge Railing	72	Feet	Galvanized Protective System	72
1	Asphalt Wearing Surface	Wearing Surface	869	Square Feet		

Structure Element Scoring

Structure Number: 960733

Inspection Date 4/2/2019

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	869	809	0	60	0
515	30	Steel Protective Coating	Deck	869	809	0	60	0
107	0	Steel Open Girder/Beam	Beam	360	296	28	0	36
515	107	Steel Protective Coating	Beam	2300	1919	161	70	150
216	0	Timber Abutment	Abutments	76	9	31	26	10
228	0	Timber Pile	Piles and Columns	10	3	3	2	2
235	0	Timber Pier Cap	Caps	60	60	0	0	0
313	0	Fixed Bearing	Bearing Device	16	16	0	0	0
515	316	Steel Protective Coating	Bearing Device	16	16	0	0	0
330	0	Metal Bridge Railing	Bridge Rail	72	0	72	0	0
515	330	Steel Protective Coating	Bridge Rail	72	0	72	0	0
510	0	Wearing Surface	Wearing Surfaces	869	835	0	34	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 960733

Inspection Date: 04/02/2019

MMS Code	Element Name	Defect Name	Recommended Quantity
3328	Steel Deck Corrugated/Orthotropic/Etc.	Corrosion	60 Square Feet
3314	Steel Open Girder/Beam	Corrosion	72 Feet
3346	Timber Abutment	Decay/Section Loss	125 Feet
3344	Timber Pile	Decay/Section Loss	2 Each
2816	Wearing Surface	Crack (Wearing Surface)	34 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	319 Square Feet
3342	Steel Protective Coating	Peeling/Bubbling/Cracking (steel Protective Coatings)	194 Square Feet

Element Structure Maintenance Quantities

Structure Number: 960733

Inspection Date 04/02/2019

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3346	Maintenance of Timber Bulkheads or Wingwalls	125	76	10	26	31	9
Beam	3314	Maintenance Steel Superstructure Components	72	360	36	0	28	296
Beam	3342	Clean and Paint Steel	381	2300	150	70	161	1919
Bearing Device	3334	Bridge Bearing	0	16	0	0	0	16
Bearing Device	3342	Clean and Paint Steel	0	16	0	0	0	16
Bridge Rail	3322	Maintenance of Steel Bridge Rail	0	72	0	0	72	0
Bridge Rail	3342	Clean and Paint Steel	72	72	0	0	72	0
Caps	3344	Maintenance To Timber Substrcutre	0	60	0	0	0	60
Deck	3328	Maintenance of Steel Plank Bridge Floor	60	869	0	60	0	809
Deck	3342	Clean and Paint Steel	60	869	0	60	0	809
Piles and Columns	3344	Maintenance To Timber Substrcutre	2	10	2	2	3	3
Wearing Surfaces	2816	Asphalt Surface Repair	34	869	0	34	0	835

Priority Actions Request

Structure Number 960733

Span1

3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	36	Span 1 Beam 1: SECTION LOSS THROUGHOUT TOP FLANGE WITH 1/4" REMAINING (PAR)

Bent 1

3344	Pile 1	Timber Pile	
Priority Level	Defect Type	Quantity	Defect Description
2	Decay/Section Loss	1	End Bent 1 Pile 1: BOWED OUTWARDS APPROXIMATELY 4" AT MIDDLE WITH FIBERS TEARING AT BEND (PAR)

3344	Pile 2	Timber Pile	
Priority Level	Defect Type	Quantity	Defect Description
2	Decay/Section Loss	1	End Bent 1 Pile 2: PILE COMPLETELY DECAYED AND MUSHROOMED FOR 3' AT TOP (CRITICAL FIND)

3346	Abutment	Timber Abutment	
Priority Level	Defect Type	Quantity	Defect Description
1	Decay/Section Loss	25	End Bent 1 Abutment/Backwall : HEAVY DETERIORATION TO SOUTHWEST WINGWALL WITH GAPS UP TO 2" BETWEEN BOARDS (PAR)

Bent 2

3346	Abutment	Timber Abutment	
Priority Level	Defect Type	Quantity	Defect Description
2	Decay/Section Loss	6	End Bent 2 Abutment/Backwall : 3' X 1' AREA OF 100% DECAY BETWEEN PILES 3 AND 4 (PAR)
2	Decay/Section Loss	6	End Bent 2 Abutment/Backwall : 3' X 1' AREA OF 100% DECAY BETWEEN PILES 4 AND 5 (PAR)
2	Decay/Section Loss	15	End Bent 2 Abutment/Backwall : 4' X 3.5' X UP TO 2" DEEP DECAY AT NORTH END (PAR)

Element Condition and Maintenance Data

Structure Number: 960733

Inspection Date: 04/02/2019

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.	869	809	0	60	0	Square Feet
515	Steel Protective Coating	869	809	0	60	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
30	Corrosion	SCATTERED AREAS OF SURFACE RUST	3	60	60	Square Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS IN AREAS OF SURFACE RUST	3	60	60	Square Feet

General Comments

Span 1 Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	36	0	0	0	36	Feet
515	Steel Protective Coating	230	44	0	36	150	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS THROUGHOUT TOP FLANGE WITH 1/4" REMAINING (PAR)	4	36	36	Feet
107	Corrosion	SURFACE RUST WITH PEELING PAINT THROUGHOUT	3		36	Feet
515	Effectiveness (Steel Protective Coatings)	PAINT HAS FAILED IN AREAS OF CORROSION TO BOTH FLANGES AND 3" INTO THE WEB TOP AND BOTTOM	4	150	150	Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	PEELING PAINT ON WEB	3	36	36	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	36	32	4	0	0	Feet
515	Steel Protective Coating	230	187	36	7	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	2' FLAKING RUST WITH PEELING PAINT TO TOP FLANGE EDGES AT END BENT 1 AND END BENT 2	2	4		Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS IN AREAS OF CORROSION AT END BENTS	3	7	7	Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	PEELING PAINT THROUGHOUT FLANGES	2	36	36	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		36	32	4	0	0 Feet
515	Steel Protective Coating		230	178	45	7	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	2' FLAKING RUST WITH PEELING PAINT TO TOP FLANGE EDGES AT END BENT 1 AND END BENT 2	2	4		Feet	
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS IN AREAS OF CORROSION AT END BENTS	3	7		7 Square Feet	
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	PEELING PAINT IN BOTTOM FLANGE	2	45		45 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		36	32	4	0	0 Feet
515	Steel Protective Coating		230	188	40	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	2' FLAKING RUST WITH PEELING PAINT TO TOP FLANGE EDGES AT END BENT 1 AND END BENT 2	2	4	Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS IN AREAS OF CORROSION AT END BENTS	3	2	2 Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	PEELING PAINT IN BOTTOM FLANGE	2	40	40 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	36	34	2	0	0	Feet
515	Steel Protective Coating	230	219	10	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	1' FLAKING RUST WITH PEELING PAINT TO TOP FLANGE EDGES AT END BENT 1 AND END BENT 2	2	2		Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS IN AREAS OF CORROSION AT END BENTS	3	1	1	Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	PEELING PAINT IN BOTTOM FLANGE	2	10	10	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	36	34	2	0	0	Feet
515	Steel Protective Coating	230	226	0	4	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	1' FLAKING RUST WITH PEELING PAINT TO TOP FLANGE EDGES AT END BENT 1 AND END BENT 2	2	2		Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS IN AREAS OF CORROSION AT END BENTS	3	4	4	Square Feet

General Comments

Span 1 Beam 8

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	36	34	2	0	0	Feet
515	Steel Protective Coating	230	226	3	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	1' FLAKING RUST WITH PEELING PAINT TO TOP FLANGE EDGES AT END BENT 1 AND END BENT 2	2	2		Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS IN AREAS OF CORROSION AT END BENTS	3	1	1	Square Feet
515	Effectiveness (Steel Protective Coatings)	PEELING PAINT IN BOTTOM FLANGE	2	3	3	Square Feet

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	36	34	2	0	0	Feet
515	Steel Protective Coating	230	225	4	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	1' FLAKING RUST WITH PEELING PAINT TO TOP FLANGE EDGES AT END BENT 1 AND END BENT 2	2	2		Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS IN AREAS OF CORROSION AT END BENTS	3	1	1	Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	PEELING PAINT IN BOTTOM FLANGE	2	4	4	Square Feet

General Comments

Span 1 **Beam 10****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	36	32	4	0	0	Feet
515	Steel Protective Coating	230	214	12	4	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	2' FLAKING RUST WITH PEELING PAINT TO TOP FLANGE EDGES AT END BENT 1 AND END BENT 2	2	4		Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS IN AREAS OF CORROSION AT END BENTS	3	4	4	Square Feet
515	Peeling/Bubbling/Cracking (steel Protective Coatings)	PEELING PAINT IN BOTTOM FLANGE	2	12	12	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	869	835	0	34	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	UP TO 1/4" TRANSVERSE CRACKING OVER END BENT 1	3	24	24	Square Feet
510	Crack (Wearing Surface)	UP TO 1/4" TRANSVERSE CRACKING OVER END BENT 2	3	10	10	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	36	0	36	0	0	Feet
515	Steel Protective Coating	36	0	36	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	SCATTERED AREAS OF SURFACE RUST THROUGHOUT RAIL AND CURB	2	36		Square Feet
515	Effectiveness (Steel Protective Coatings)	SUBSTANTIALLY EFFECTIVE, WITHOUT FINISH COAT THROUGHOUT CURB	2	36	36	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	36	0	36	0	0	Feet
515	Steel Protective Coating	36	0	36	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Corrosion	SCATTERED AREAS OF SURFACE RUST THROUGHOUT RAIL AND CURB	2	28		Square Feet
330	Distortion	POSTS THROUGHOUT STRUCTURE ARE TWISTED UP TO 3" TO THE EAST WITH DEFORMATIONS TO CURB AT CONNECTIONS	2	8		Feet
515	Effectiveness (Steel Protective Coatings)	SUBSTANTIALLY EFFECTIVE, WITHOUT FINISH COAT THROUGHOUT CURB	2	36	36	Square Feet
General Comments						

End Bent 1 Pile 1**Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	0	0	1	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Decay/Section Loss	BOWED OUTWARDS APPROXIMATELY 4" AT MIDDLE WITH FIBERS TEARING AT BEND (PAR)	4	1	1	Each
228	Damage	6" LEAN TO THE NORTH	3			Each
228	Decay/Section Loss	6" X 13" X 1" DEEP DECAY NEAR GROUNDLINE	2			Each
General Comments						

End Bent 1 Pile 2**Timber Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	0	0	1	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Decay/Section Loss	PILE COMPLETELY DECAYED AND MUSHROOMED FOR 3' AT TOP (CRITICAL FIND)	4	1	1	Each

228 Damage 6" LEAN TO THE NORTH 3 Each

General Comments

End Bent 1 Pile 3

Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Damage	6" LEAN TO THE NORTH	3			Each
228	Check/Shake	3' X 1 1/2" DEEP CHECKS ON SPAN 1 FACE	2	1		Each

General Comments

End Bent 1 Pile 4

Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Damage	6" LEAN TO THE NORTH	3	1		Each
228	Decay/Section Loss	16" X 3" X 1/2" AREA OF DECAY TO NORTH FACE (AT PILE 2 IN PREVIOUS REPORT)	2			Each

General Comments

SPLIT IN PREVIOUS REPORT WAS FOUND AT PILE 2 AS A CRITICAL FIND

End Bent 1 Pile 5

Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
228	Timber Pile	1	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
228	Damage	6" LEAN TO THE NORTH	3	1		Each

General Comments

DECAY IN PREVIOUS REPORT WAS FOUND AT PILE 1

End Bent 1 Abutment

Timber Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
216	Timber Abutment	38	0	19	19	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
216	Decay/Section Loss	(4) UP TO 21" X 8" X 3" AREA OF DECAY ON ENDS OF BOARDS AT SOUTH AND NORTH ENDS	3	4	10	Feet
216	Decay/Section Loss	5' WIDE X 10' HIGH AREA OF UP TO 3" DECAY AT NORTH END	3	5	50	Feet
216	Decay/Section Loss	HEAVY DETERIORATION TO SOUTHWEST WINGWALL WITH GAPS UP TO 2" BETWEEN BOARDS (PAR)	3	10	25	Feet
216	Decay/Section Loss	(3) UP TO 29" X 2" X 2" DEEP AREA OF DECAY BETWEEN PILES 1 AND 2	2	5		Feet

Structure Number: 960733Inspection Date: 04/02/2019

216	Decay/Section Loss	(5) UP TO 31" X 5" X 2" DEEP AREA OF DECAY BETWEEN PILES 2 AND 3	2	5	Feet
216	Decay/Section Loss	(8) 8" X 4" X 1 1/2" DEEP AREA OF DECAY BETWEEN PILES 4 AND 5	2	5	Feet
216	Decay/Section Loss	4' X 8" X 2" DEEP AREA OF DECAY BETWEEN PILES 3 AND 4	2	4	Feet

General Comments

End Bent 2

Abutment

Timber Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
216	Timber Abutment	38	9	12	7	10 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
216	Decay/Section Loss	5' X 1' AREA OF 100% DECAY BETWEEN PILES 3 AND 4 (PAR)	4	5	6 Feet
216	Decay/Section Loss	5' X 1' AREA OF 100% DECAY BETWEEN PILES 4 AND 5 (PAR)	4	5	6 Feet
216	Decay/Section Loss	(5) UP TO 33" X 8" X 3" DEEP AREA OF DECAY ON SOUTH END	3	3	10 Feet
216	Decay/Section Loss	3' X 1' X 2" AREA OF DECAY BETWEEN PILES 4 AND 5	3		3 Feet
216	Decay/Section Loss	4' X 3.5' X UP TO 2" DEEP DECAY AT NORTH END (PAR)	3	4	15 Feet
216	Decay/Section Loss	(8) UP TO 12" X 3" X 1" DEEP AREA OF DECAY BETWEEN PILES 1 AND 2	2	6	Feet
216	Decay/Section Loss	(9) UP TO 25" X 3" X 1 1/2" DEEP AREA OF DECAY BETWEEN PILES 2 AND 3	2	6	Feet

General Comments

End Bent 2

Pile 4

Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Decay/Section Loss	8" X 2" X 1/2" DEEP AREA OF DECAY ON SPAN 1 FACE	2	1	Each

General Comments

End Bent 2

Pile 5

Timber Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
228	Timber Pile	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
228	Decay/Section Loss	23" X 6" X 1/2" DEEP AREA OF DECAY ON SPAN 1 FACE	2	1	Each

General Comments

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Steel Deck Corrugated	Steel Deck Corrugated/Orthotropic/Etc.	869
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 10	Plate Girder	Steel Open Girder/Beam	36
Span 1	Left Bridge Rail	Steel Rail	Metal Bridge Railing	36
Span 1	Right Bridge Rail	Steel Rail	Metal Bridge Railing	36
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	869
End Bent 1	Cap 1	Timber Pier Cap	Timber Pier Cap	30
End Bent 1	Pile 1	Timber Pile	Timber Pile	1
End Bent 1	Pile 2	Timber Pile	Timber Pile	1
End Bent 1	Pile 3	Timber Pile	Timber Pile	1
End Bent 1	Pile 4	Timber Pile	Timber Pile	1
End Bent 1	Pile 5	Timber Pile	Timber Pile	1
End Bent 1	Abutment	Timber Abutment	Timber Abutment	38
End Bent 2	Cap 1	Timber Pier Cap	Timber Pier Cap	30
End Bent 2	Pile 1	Timber Pile	Timber Pile	1
End Bent 2	Pile 2	Timber Pile	Timber Pile	1
End Bent 2	Pile 3	Timber Pile	Timber Pile	1
End Bent 2	Pile 4	Timber Pile	Timber Pile	1
End Bent 2	Pile 5	Timber Pile	Timber Pile	1
End Bent 2	Abutment	Timber Abutment	Timber Abutment	38

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 960733

Inspection Date: 04/02/2019

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	7
Item 59: Superstructure	0 - 9 , N	5
Item 60: Substructure	0 - 9 , N	4
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	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C		0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	F	14	3350
Field Scour Evaluation		U		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Superstructure Paint Code		B		

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	8
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 960733

Inspection Date: 04/02/2019

Item	Substructure - Item 60	Grade	4	Maint Code	Qty.	0
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Details	GRADE GIVEN DUE TO: SIGNIFICANT DECAY TO BACKWALLS PILES AT END BENT 1 LEANING MUSHROOMING PILE 2 AT END BENT 1 (CRITICAL FIND)
---------	--

Item	Priority Maintenance Issued	Grade	Y	Maint Code	Qty.	0
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Details	CORROSION TO BEAM 1 TOP FLANGE DECAY TO ABUTMENTS DECAY TO END BENT 1 PILE 1 CRITICAL FIND TO END BENT 1 PILE 2
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Item	Wingwalls	Grade	F	Maint Code	3350	Qty.	14
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Details	DECAY TO WEST WINGWALLS
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Item	General Comments and Misc Items	Grade		Maint Code	Qty.	0
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Details	UP TO 1/4" CRACKING AND 1.5" SETTLEMENT IN WEST APPROACH
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End Bent 2 Abutment/Backwall : 4' X 3.5' X UP TO 2" DEEP DECAY AT NORTH END (PAR)



End Bent 2 Abutment/Backwall : 5' X 1' AREA OF 100% DECAY BETWEEN PILES 3 AND 4 (PAR)



End Bent 1 Abutment/Backwall : HEAVY DETERIORATION TO SOUTHWEST WINGWALL WITH GAPS UP TO 2" BETWEEN BOARDS (PAR)



End Bent 2 Abutment/Backwall : 5' X 1' AREA OF 100% DECAY BETWEEN PILES 4 AND 5 (PAR)



End Bent 1 Pile 1: BOWED OUTWARDS APPROXIMATELY 4" AT MIDDLE WITH FIBERS TEARING AT BEND (PAR)



End Bent 1 Pile 2: PILE COMPLETELY DECAYED AND MUSHROOMED FOR 3' AT TOP (CRITICAL FIND)



End Bent 1 Pile 2: PILE COMPLETELY DECAYED AND MUSHROOMED FOR 3' AT TOP (CRITICAL FIND)



Span 1 Beam 1: SECTION LOSS THROUGHOUT TOP FLANGE WITH 1/4" REMAINING (PAR)



Span 1 Beam 1: SECTION LOSS THROUGHOUT TOP FLANGE WITH 1/4" REMAINING (PAR)



UP TO 1/4" CRACKING AND 1.5" SETTLEMENT IN WEST APPROACH



Span 1 Wearing Surface: UP TO 1/4" TRANSVERSE CRACKING OVER END BENT 2



SCATTERED AREAS OF SURFACE RUST THROUGHOUT BOTH RAILS



END BENT 1 BACKWALL PAR REPAIRS



End Bent 1 Abutment/Backwall : 5' WIDE X 10' HIGH AREA OF UP TO 3" DECAY AT NORTH END



End Bent 1 Pile 1: 6" X 13" X 1" DEEP DECAY NEAR GROUNDLINE



Span 1 Beam 1: SURFACE RUST WITH PEELING PAINT THROUGHOUT



Span 1 Beam 2: 2' FLAKING RUST WITH PEELING PAINT TO TOP FLANGE EDGES AT END BENT 1 (ALL BEAMS AT BOTH END BENTS SIMILAR)



End Bent 1 Abutment/Backwall : 4' X 8" X 2" DEEP AREA OF DECAY BETWEEN PILES 3 AND 4



ALL PILES AT END BENT 1 LEANING UP TO 6" TO THE NORTH



End Bent 1 Pile 4: 16" X 3" X 1/2" AREA OF DECAY TO NORTH FACE (AT PILE 2 IN PREVIOUS REPORT)



Span 1 Deck: SCATTERED AREAS OF SURFACE RUST



END BENT 2 BACKWALL: AREAS OF 4" DIAMETER X UP TO 2" DEEP DECAY THROUGHOUT



End Bent 2 Abutment/Backwall : 3' X 1' X 2" AREA OF DECAY BETWEEN PILES 4 AND 5



End Bent 2 Pile 5: 23" X 6" X 1/2" DEEP AREA OF DECAY ON SPAN 1 FACE



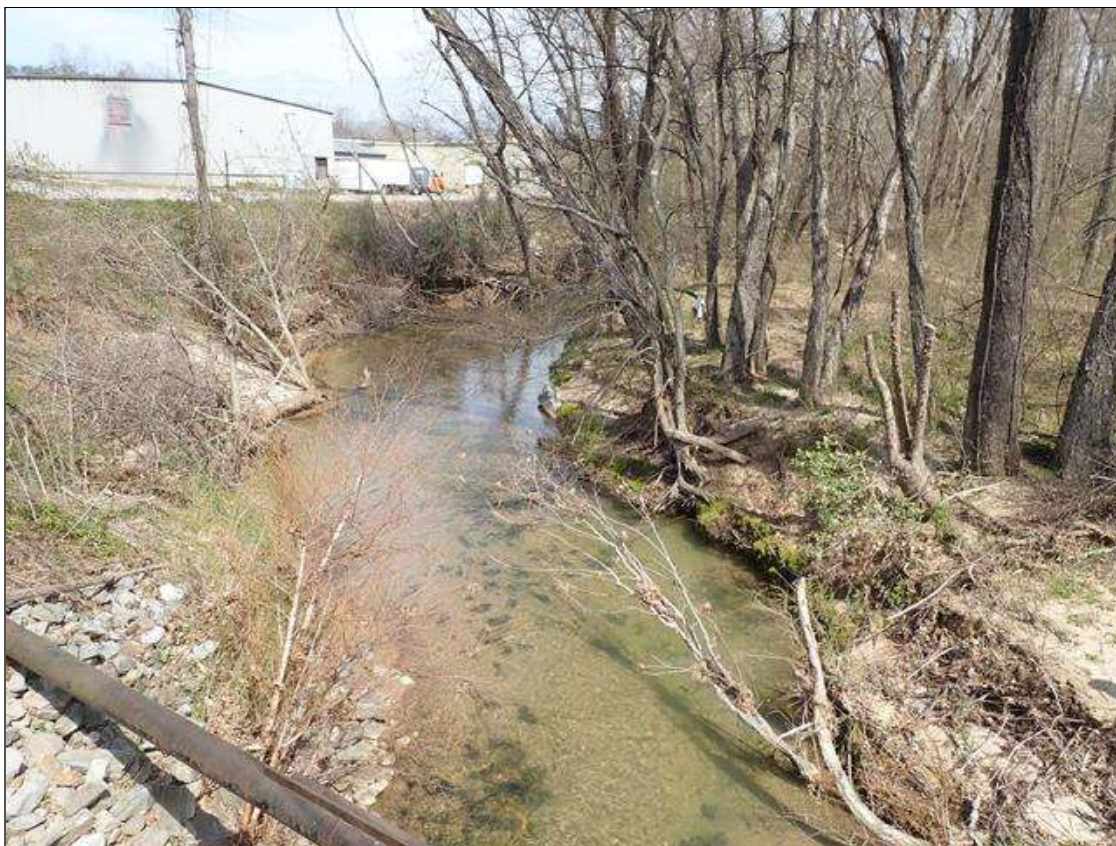
Span 1 Right Bridge Rail: POSTS THROUGHOUT STRUCTURE ARE TWISTED UP TO 3" TO THE EAST WITH DEFORMATIONS TO CURB AT CONNECTIONS



END BENT 1



END BENT 2



LOOKING DOWNSTREAM



LOOKING UPSTREAM



WEST APPROACH LOOKING EAST



EAST APPROACH FROM BRIDGE



UPSTREAM STRUCTURE ELEVATION



DECK OVERVIEW



EAST APPROACH FROM BRIDGE



EAST APPROACH LOOKING WEST



DOWNSTREAM STRUCTURE ELEVATION



UNDERSIDE SPAN



BEAMS BEARING DIRECTLY ON CAP



BEAMS THROUGHOUT STRUCTURE HAVE AREAS OF PEELING PAINT AND FRECKLED RUST

Stream Bed Soundings

(Profile diagram on following sheet)

County WILKES

Structure Number: 960733

Inspection Date 04/02/2019

Sounding recorded from: Top of Bridge Rail

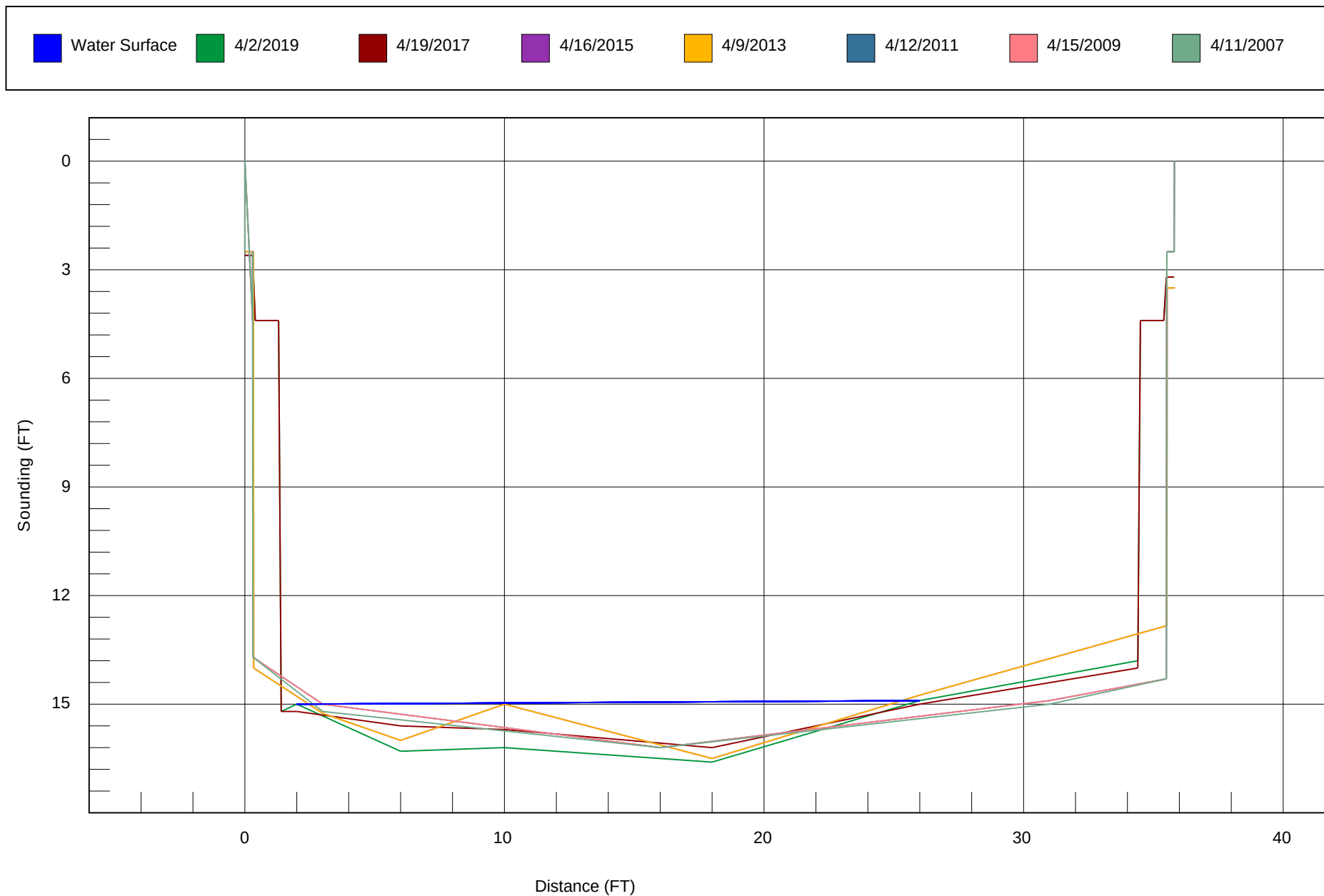
Highwater Mark Distance

Location of Highwater Mark

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.600	0.000	TOP OF BACKWALL
0.300	2.600	0.000	TOP OF BACKWALL
0.400	4.400	0.000	TOC
1.300	4.400	0.000	TOC
1.400	15.200	14.800	FOC
2.000	15.000	0.000	WSWE
6.000	16.300	0.000	
10.000	16.200	0.000	
18.000	16.600	0.000	
26.000	14.900	0.000	WSWE
34.400	13.800	12.000	FOC
34.500	4.400	0.000	TOC
35.400	4.400	0.000	TOC
35.500	3.200	0.000	TOP OF BACKWALL
35.800	3.200	0.000	TOP OF BACKWALL

STREAMBED PROFILE (Downstream)

Top of Rail = 0FT (Sounding)

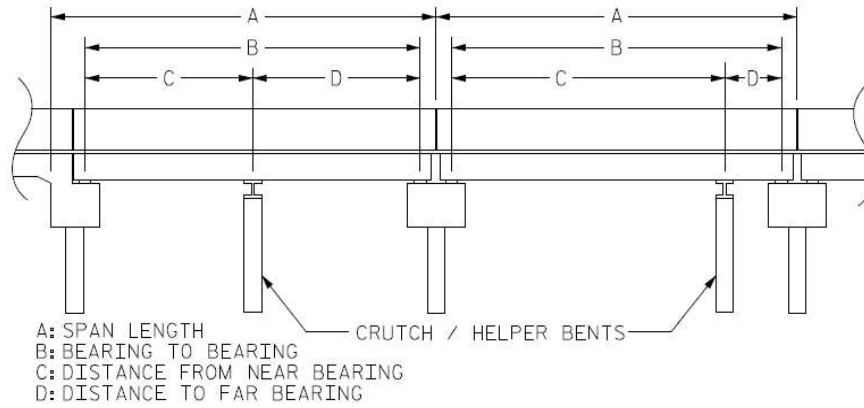


Structure Data Worksheet

Span Profile

County: WILKES

Structure Number: 960733



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	35.830	34.170			

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 960733

County WILKES

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	36	Span 1 Beam 1: SECTION LOSS THROUGHOUT TOP FLANGE WITH 1/4" REMAINING (PAR)	
 3344	Repair / Replace Timber Substructure Components	LF	1	End Bent 1 Pile 1: BOWED OUTWARDS APPROXIMATELY 4" AT MIDDLE WITH FIBERS TEARING AT BEND (PAR)	
 3344	Repair / Replace Timber Substructure Components	LF	1	End Bent 1 Pile 2: PILE COMPLETELY DECAYED AND MUSHROOMED FOR 3' AT TOP (CRITICAL FIND)	
 3346	Repair / Maintain Timber Wings & Blkhds	SF	15	End Bent 2 Abutment/Backwall : 4' X 3.5' X UP TO 2" DEEP DECAY AT NORTH END (PAR)	
 3346	Repair / Maintain Timber Wings & Blkhds	SF	6	End Bent 2 Abutment/Backwall : 3' X 1' AREA OF 100% DECAY BETWEEN PILES 3 AND 4 (PAR)	
 3346	Repair / Maintain Timber Wings & Blkhds	SF	6	End Bent 2 Abutment/Backwall : 3' X 1' AREA OF 100% DECAY BETWEEN PILES 4 AND 5 (PAR)	
3346	Repair / Maintain Timber Wings & Blkhds	SF	25	End Bent 1 Abutment/Backwall : HEAVY DETERIORATION TO SOUTHWEST WINGWALL WITH GAPS UP TO 2" BETWEEN BOARDS (PAR)	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 960733

County WILKES

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	36 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
04/02/2019	BRANDON ELLIOT	
Details		
Span 1 Beam 1: SECTION LOSS THROUGHOUT TOP FLANGE WITH 1/4" REMAINING (PAR)		

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
04/02/2019	BRANDON ELLIOT	
Details		
End Bent 1 Pile 1: BOWED OUTWARDS APPROXIMATELY 4" AT MIDDLE WITH FIBERS TEARING AT BEND (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 960733

County WILKES

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

MMS Code	MMS Description	Quantity
3344	Repair / Replace Timber Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
04/02/2019	BRANDON ELLIOT	
Details		
End Bent 1 Pile 2: PILE COMPLETELY DECAYED AND MUSHROOMED FOR 3' AT TOP (CRITICAL FIND)		

MMS Code	MMS Description	Quantity
3346	Repair / Maintain Timber Wings & Blkhdrs	15 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
04/02/2019	BRANDON ELLIOT	
Details		
End Bent 2 Abutment/Backwall : 4' X 3.5' X UP TO 2" DEEP DECAY AT NORTH END (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 960733

County WILKES

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

MMS Code	MMS Description	Quantity
3346	Repair / Maintain Timber Wings & Blkhds	6 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
04/02/2019	BRANDON ELLIOT	
Details		
End Bent 2 Abutment/Backwall : 3' X 1' AREA OF 100% DECAY BETWEEN PILES 3 AND 4 (PAR)		

MMS Code	MMS Description	Quantity
3346	Repair / Maintain Timber Wings & Blkhds	6 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
04/02/2019	BRANDON ELLIOT	
Details		
End Bent 2 Abutment/Backwall : 3' X 1' AREA OF 100% DECAY BETWEEN PILES 4 AND 5 (PAR)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 960733

County WILKES

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

MMS Code	MMS Description	Quantity
3346	Repair / Maintain Timber Wings & Blkhds	25 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
04/02/2019	BRANDON ELLIOT	
Details		
End Bent 1 Abutment/Backwall : HEAVY DETERIORATION TO SOUTHWEST WINGWALL WITH GAPS UP TO 2" BETWEEN BOARDS (PAR)		

Bridge Inspection Field Sketch

SR 2516

MEASUREMENTS TAKEN 20' FROM END BENT 1

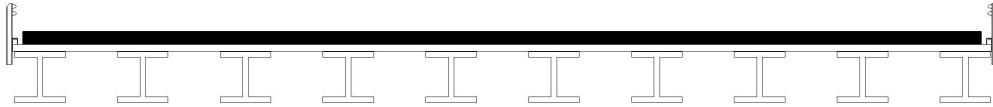
Roadway	20ft Wide	2 Paved Lanes	Looking East
Left Shoulder	3ft Wide		3ft Unpaved
Right Shoulder	3ft Wide		3ft Unpaved
Left Guardrail			
Right Guardrail			

VERIFIED 4/2/2019 BY JFK

Title APPROACH ROADWAY		Description WEST APPROACH, LOOKING EAST	
Bridge No: 960733	Drawn By: HMS	Date: 04/11/2013	File Name: S0130001798

Bridge Inspection Field Sketch

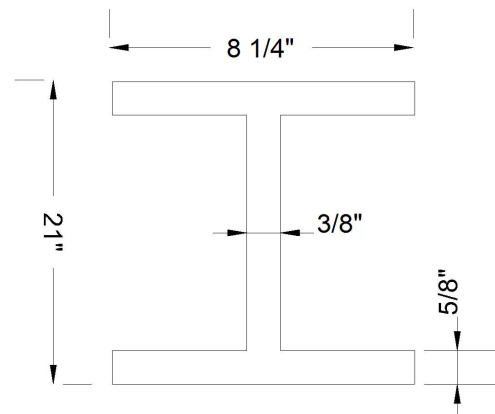
Deck Width/Out to Out	24.083ft	Between Rails				24.667ft
Clear Roadway	24.083ft	Wearing Surface				0.333ft
Median Width		Median Height				
Curb Height		Left	0.25ft	Right	0.25ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left	0.75ft	Right	0.75ft	
Top of Rail to Deck/Wearing Surface		Left	2.083ft	Right	2.083ft	
Bridge Rail		Left	Type 23	Right	Type 23	



Measurements for Span #	1		
Deck Thickness	0.167	Left Overhang	0.500
Top of Rail to Bottom of Beam	4.417	Right Overhang	0.500

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	2.583ft	
2	Steel I Beam	2.583ft	
3	Steel I Beam	2.583ft	
4	Steel I Beam	2.583ft	
5	Steel I Beam	2.583ft	
6	Steel I Beam	2.583ft	
7	Steel I Beam	2.583ft	
8	Steel I Beam	2.583ft	
9	Steel I Beam	2.583ft	
10	Steel I Beam	ft	

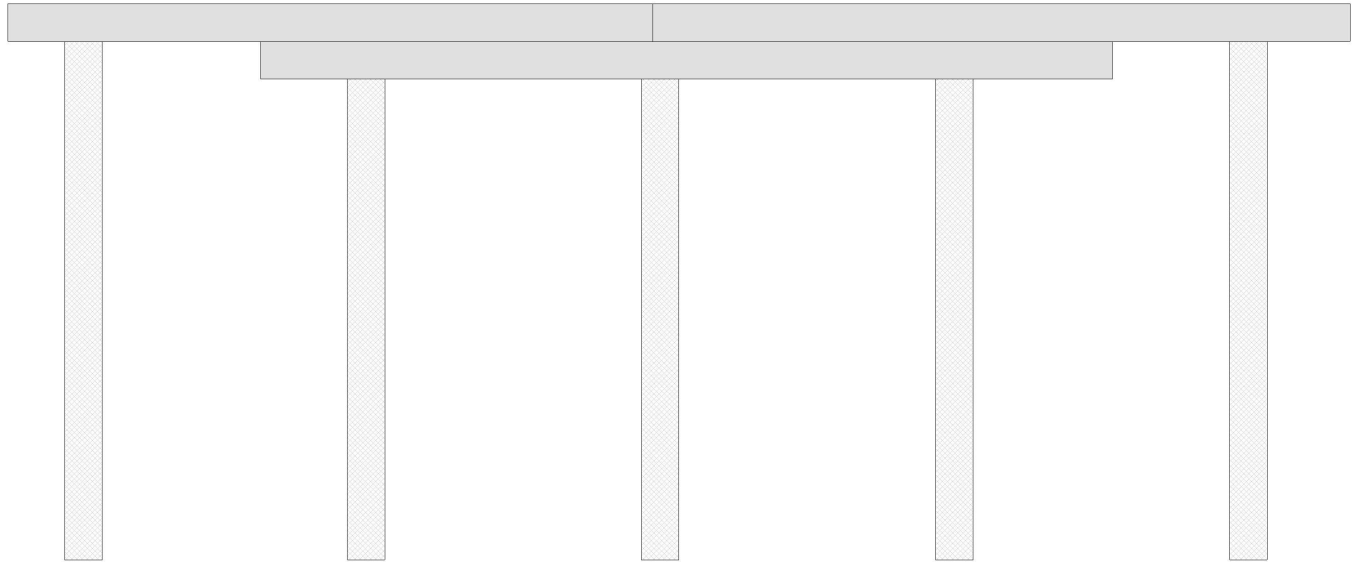
2 5/8" X 10" DIAPH. @ MID-SPAN



VERIFIED 4/2/2019 BY JFK

Title		Description	
TYPICAL SECTION		SPAN 1, LOOKING EAST	
Bridge No: 960733	Drawn By: HMS	Date: 04/11/2013	File Name: S0126001512

Bridge Inspection Field Sketch



Cap Information			Material Timber							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
29.667 ft.	.917 ft.	0.833 ft.	1.667 ft.	2.670 ft.	2 ft.	1.670 ft.				
Subcap Information			Material Timber							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
18.833 ft.	.917 ft.	0.833 ft.	2.333 ft.	2.083 ft.	6.333 ft.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	6.25 ft.	0.83 ft.			Vertical	No	No	No	No
2	Timber	6.5 ft.	0.83 ft.			Vertical	No	No	No	No
3	Timber	6.5 ft.	0.83 ft.			Vertical	No	No	No	No
4	Timber	6.5 ft.	0.83 ft.			Vertical	No	No	No	No
5	Timber		0.83 ft.			Vertical	No	No	No	No
							VERIFIED 4/2/2019 BY JFK			
Bent/Abutment #: 1			Similar Bents:							

Title		Description	
SUBSTRUCTURE		END BENT 1, LOOKING EAST	
Bridge No: 960733	Drawn By: HMS	Date: 04/11/2013	File Name: S0130001799

Bridge Inspection Field Sketch



Cap Information			Material Timber							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.		Right Beam to End of Cap.			
30.167 ft.	.917 ft.	0.833 ft.	2.250 ft.	2.083 ft.	1.830 ft.		1.667 ft.			
Subcap Information			Material Timber							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
18.000 ft.	.917 ft.	.833 ft.	2.500 ft.	2.500 ft.	6.333 ft.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Timber	6.17 ft.	0.83 ft.				No	No	No	No
2	Timber	6.75 ft.	0.83 ft.				No	No	No	No
3	Timber	6.17 ft.	0.83 ft.				No	No	No	No
4	Timber	6.5 ft.	0.83 ft.				No	No	No	No
5	Timber		0.83 ft.				No	No	No	No
							VERIFIED 4/2/2019 BY JFK			
Bent/Abutment #: 1			Similar Bents:							

Title

SUBSTRUCTURE

Description

END BENT 2, LOOKING EAST

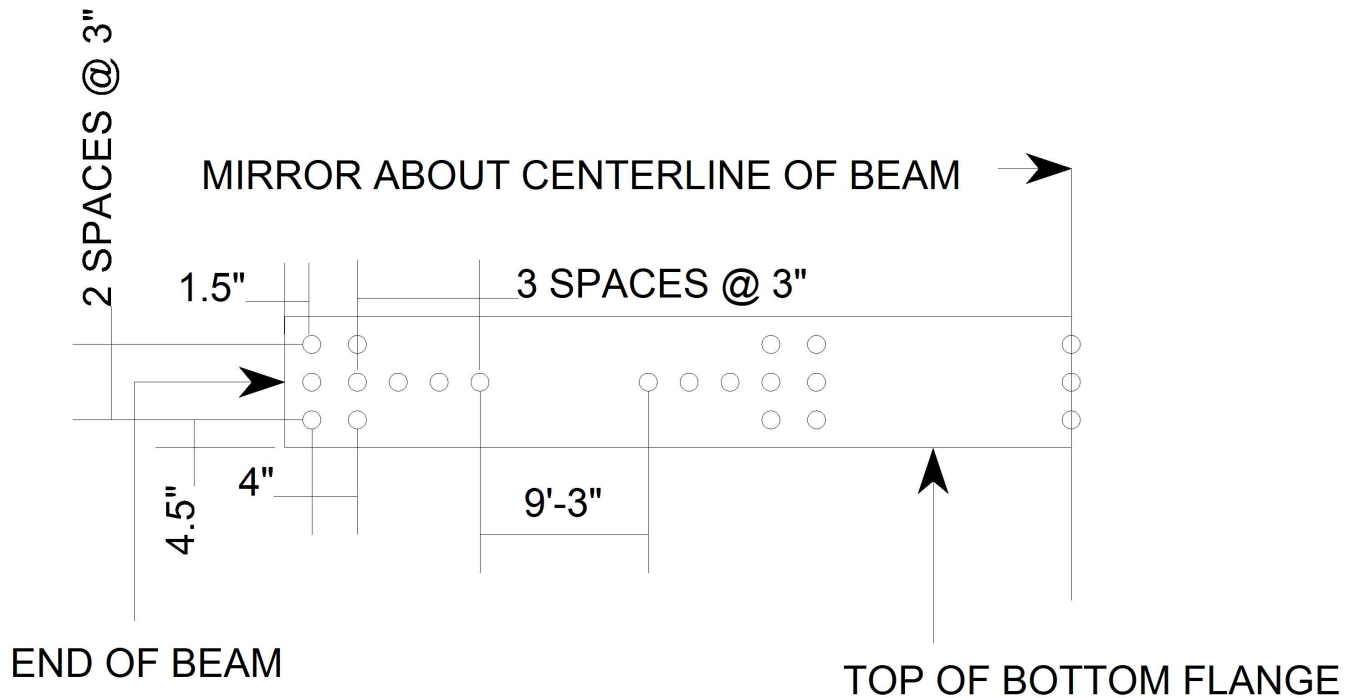
Bridge No: 960733

Drawn By: HMS

Date: 04/11/2013

File Name: S0130001800

Bridge Inspection Field Sketch



APPLIES TO ALL BEAMS

Title

SALVAGE BEAMS

Description

SALVAGE BEAMS SKETCH

Bridge No: 960733

Drawn By: JFK

Date: 4/8/2019

File Name: S0646000157