NC DEPARTMENT OF TRANSPORTATIO	N ATTENTION: T	EMPORARY REPAIRS (CAPS) HECKED	CLEARANCES
Structu	ire Safety	Report	
Routin	e Element Insp	ection	
COUNTY: HAYWOOD STRUCTURE NUMBER	R: 430248	FREQUENCY: 24 M	IONTHS
FACILITY CARRIED: 1-40 EBL		MILE POST: 32.4	
LOCATION: 1.1 MI.E.JCT.NC215			
FEATURE INTERSECTED: SR1613			
LATITUDE: 35° 33' 20.53" LON	GITUDE: 82° 49' 50.9	99"	
REINF. CONCRETE FLOOR ON I- SUPERSTRUCTURE: REINF. CONCRETE FLOOR ON I	BEAMS(LATEX MOD -BEAMS(LAYTEX MO	IFIED CONC.OVERLAY)	
SUBSTRUCTURE: E.BTS:RC CAPS/H-PILES;INT.BTS:RC	CP&B/PILE FTGS.		
SPANS: 1 @ 52'-1.1875,1 @ 60'-6.0625,1 @ 61'5625			
		TICAL SCOUR PLAN	OF ACTION
PRESENT CONDITION: Fair	INSPECTION I	DATE: 04/25/2017	
POSTED SV: Not Posted	POSTED T	TST: Not Posted	
OTHER SIGNS PRESENT: NONE			



WEST APPROACH LOOKING EAST

INSPECTED BY	SIGNATURE	D/I	ASSISTED BY	JOE HUNTSINGER
DELVIN ADAMS		Hon		

Structure Element Scoring

Structure Number: 430248

Inspection Date 4/25/2017

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	5458	2338	3100	20	0
107	0	Steel Open Girder/Beam	Beam	696	0	696	0	0
515	107	Steel Protective Coating	Beam	6336	4946	696	574	120
205	0	Reinforced Concrete Column	Piles and Columns	4	4	0	0	0
215	0	Reinforced Concrete Abutment	Abutments	84	84	0	0	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	22	22	0	0	0
225	0	Steel Pile	Piles and Columns	12	12	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	137	108	27	2	0
302	0	Compression Joint Seal	Expansion Joints	144	144	0	0	0
311	0	Movable Bearing	Bearing Device	12	0	12	0	0
515	311	Steel Protective Coating	Bearing Device	12	0	0	12	0
313	0	Fixed Bearing	Bearing Device	12	0	12	0	0
515	313	Steel Protective Coating	Bearing Device	12	0	0	12	0
321	0	Reinforced Concrete Approach Slabs	Approaches	560	520	40	0	0
333	0	Other Bridge Railing	Bridge Rail	352	176	176	0	0
515	333	Steel Protective Coating	Bridge Rail	352	352	0	0	0
510	0	Wearing Surface	Wearing Surfaces	4864	4384	480	0	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 430248

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Inspection Date: 04/25/2017
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MMS Code	Element Name	Defect Name	Recommended Quantity
3348	Reinforced Concrete Pier Cap	Patched Area	2 Feet
3318	Other Bridge Railing	Damage	115 Feet
2816	Wearing Surface	Crack (Wearing Surface)	450 Square Feet
3342	Steel Protective Coating	Peeling/Bubbling/Cracking (steel Protective Coatings)	120 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	1294 Square Feet

Element Structure Maintenance Quantities

Structure Number: 43	0248				Ir	spection E	ate <u>04/25/</u>	<u>2017</u>
Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	0	84	0	0	0	84
Approaches	3353	Maintenance of Concrete Bridge Approach Slabs	0	560	0	0	40	520
Beam	3314	Maintenance Steel Superstructure Components	0	696	0	0	696	0
Beam	3342	Clean and Paint Steel	1390	6336	120	574	696	4946
Bearing Device	3334	Bridge Bearing	0	24	0	0	24	0
Bearing Device	3342	Clean and Paint Steel	24	24	0	24	0	0
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	115	352	0	0	176	176
Bridge Rail	3342	Clean and Paint Steel	0	352	0	0	0	352
Caps	3348	Maintenance of Concrete Substructure	2	137	0	2	27	108
Deck	3326	Maintenance of Concrete Deck	3120	5458	0	20	3100	2338
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	144	0	0	0	144
Footing	3348	Maintenance of Concrete Substructure	0	22	0	0	0	22
Piles and Columns	3348	Maintenance of Concrete Substructure	0	4	0	0	0	4
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	12	0	0	0	12
Wearing Surfaces	2816	Asphalt Surface Repair	450	4864	0	0	480	4384

Element Condition and Maintenance Data

Structure Number: 430248					Ins	spection Date: 04/25/2017
Span 1	Deck					
Reinforced Concre	te Deck					
Element Number 12 Rein	Element Name forced Concrete Deck	Total Qty 1,637	CS1 Qty 731	CS2 Qty 900	CS3 Qty 6	CS4 Qty 0 Square Feet
Element Defect Type	Defect Description	n		CS	CS Qty	Maint Qty
General Comments	3					
Span 1	Beam 1					
Plate Girder						
Element Number 107 Stee	Element Name I Open Girder/Beam	Total Qty 52	CS1 Qty 0	CS2 Qty 52	CS3 Qty 0	CS4 Qty 0 Feet
515 Stee	Protective Coating	474	370	0	104	0 Square Feet
Element Number Defect Type	Defect Descriptic	on		CS	CS Qtv	Maint
107 Corrosion	LOSS OF PAINT ALONG THE TOP OF FLANGE ALLOWING 1/16" PITTING AL AND LOWER WEB.	THE BOTTOM ONG THE FLA	NGE	2	52	Gty Feet
515 Effectiveness (Stee Protective Coating	 LOSS OF PAINT ALONG THE TOP OF FLANGE ALLOWING 1/16" PITTING AL AND LOWER WEB. 	THE BOTTOM ONG THE FLAI	NGE	3	104	104 Square Feet
Span 1 Plate Girder	Beam 2					
Flement		Total	CS1	0.52	653	CS4
Number	Element Name	Qty 52	Qty	Qty 52	Qty	Qty 0 Feet
515 Stee	Protective Coating	474	370	104	0	0 Square Feet
Element						Maint
Number Defect Type	Defect Descriptio	on)M FLANGE AN	D	CS 2	CS Qty 52	Qty Feet
515 Effectiveness (Ster	LOWER 2" OF THE WEB.		. <u>-</u>	-	104	104 Square Feet
Protective Coating General Comments	s) LOWER 2" OF THE WEB.			2	104	
Span 1 Plate Girder	Beam 3					
Element		Total	CS1	CS2	CS3	CS4
Number 107 Stee	Element Name I Open Girder/Beam	Qty 52	Qty 0	Qty 52	Qty 0	Qty 0 Feet
515 Stee	Protective Coating	474	370	104	0	0 Square Feet
Element Defect Type	Defect Description	n		CS	CS Otv	Maint
107 Corrosion	FRECKLED RUST ALONG THE BOTTO LOWER 2" OF THE WEB.	OM FLANGE AN	ID	2	52	Gry Feet

FRECKLED RUST ALONG THE BOTTOM FLANGE AND LOWER 2" OF THE WEB.

Inspection Date: 04/25/2017

104 Square Feet

104

2

515 Effectiveness (Steel Protective Coatings) General Comments

Spa	n 1			Beam 4						
Plat	e Girder									
Eler Nur 107	ment nber	Steel Op	Element Name en Girder/Beam		Total Qty 52	CS1 Qty 0	CS2 Qty 52	CS3 Qty 0	CS4 Qty 0 I	Feet
515		Steel Pro	otective Coating		474	370	0	104	0 \$	Square Feet
Elemen Numbe	t r Defec	t Type		Defect Description			CS	CS Qty	Maint Qty	
107	Corrosion		LOSS OF PAINT AL FLANGE ALLOWING AND LOWER WEB.	ONG THE TOP OF TH G 1/16" PITTING ALOI	HE BOTTOM	NGE	2	52		Feet
515	Effectivene Protective (ss (Steel Coatings)	LOSS OF PAINT AL FLANGE ALLOWING AND LOWER WEB.	ONG THE TOP OF TH G 1/16" PITTING ALOI	HE BOTTOM	NGE	3	104	104	Square Feet
-	General Cor	nments								
Spa	n 1			Left Bridge Rail						
Con	crete and	Metal R	ailing							
Eler Nur 333	nent nber	Other Br	Element Name idge Railing		Total Qty 53	CS1 Qty 0	CS2 Qty 53	CS3 Qty 0	CS4 Qty 0 I	Feet
515		Steel Pro	otective Coating		53	53	0	0	0 \$	Square Feet
Elemen Numbe	t r Defec	t Type		Defect Description			CS	CS Qty	Maint Qty	
333	Damage		THE LEFT RAIL HAS SOME TEARS IN TH ALL SPANS.	S MINOR SCRAPE DA HE STEEL FOR THE F	AMAGE, WIT FULL LENGT	'H 'H IN	2	53	53	Feet

General Comments

Spa	n 1			Near Bearing						
Fixe	d Bearing									
Elen Num 313	nent nber	Fixed Bea	Element Name aring		Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
515		Steel Pro	tective Coating		1	0	0	1	0	Square Feet
Elemen Number	t r Defect	Туре		Defect Description			CS	CS Qty	Maint Qty	
313	Corrosion		LOSS OF PAINT AL THE BEARING PLA	LOWING SURFACE CO TES.	ORROSION	N ON	2	1		Each
515	Effectiveness Protective Co	s (Steel batings)	LOSS OF PAINT AL THE BEARING PLA	LOWING SURFACE CO TES.	ORROSION	N ON	3	1		1 Square Feet
(General Com	ments								

Span 1

Far Bearing

Movable Bearing

Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable	Bearing	1	0	1	0	0 Each
515	Steel Pro	otective Coating	1	0	0	1	0 Square Feet
Elemen Number	t Defect Type	Defect Description	n		CS	CS Qty	Maint Qty
311	Corrosion	LOSS OF PAINT ALLOWING SURFACE THE BEARING PLATES.	CORROSION	I ON	2	1	Each
515	Effectiveness (Steel Protective Coatings)	LOSS OF PAINT ALLOWING SURFACE THE BEARING PLATES.	CORROSION	I ON	3	1	1 Square Feet
(General Comments						

Span 1 Near Bearing **Fixed Bearing** CS4 Element Total CS1 CS2 CS3 Element Name Number Qty Qty Qty Qty Qty 313 **Fixed Bearing** 1 0 1 0 0 Each 515 Steel Protective Coating 0 0 1 0 Square Feet 1 Element Maint Defect Type **Defect Description** CS CS Qty Number Qty LOSS OF PAINT ALLOWING SURFACE CORROSION ON 313 Corrosion 2 1 Each THE BEARING PLATES. 515 Effectiveness (Steel LOSS OF PAINT ALLOWING SURFACE CORROSION ON 3 1 1 Square Feet Protective Coatings) THE BEARING PLATES.

General Comments

Movable Bearing

Span 1

Eler Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	1	0	0	Each
515	Steel Pro	ptective Coating	1	0	0	1	0	Square Feet
Element Number	t Defect Type	Defect Descrip	tion		CS	CS Qty	Maint Qty	
311	Corrosion	LOSS OF PAINT ALLOWING SURFA THE BEARING PLATES.	CE CORROSION	ON	2	1		Each
515	Effectiveness (Steel Protective Coatings)	LOSS OF PAINT ALLOWING SURFA THE BEARING PLATES.	CE CORROSION	ON	3	1		1 Square Feet
Ī	General Comments							

Far Bearing

Span 1			Near Bearing							
Fixed Bea	ring									
Element Number		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty		
313	Fixed Be	earing		1	0	1	0	0	Each	
515	Steel Pr	otective Coating		1	0	0	1	0	Square Feet	
Element Number D	efect Type		Defect Description			CS	CS Qty	Maint Qty		
313 Corrosi	ion	LOSS OF PAINT A THE BEARING PLA	LLOWING SURFACE CO ATES.	ORROSION	NON	2	1		Each	

1

3

1 Square Feet

515 Effectiveness (Steel Protective Coatings) General Comments

Spa	an 1	I	ar Bearing						
Мо	vable Bearing								
Elei	ment			Total	CS1	CS2	CS3	CS4	
Nur	mber	Element Name		Qty	Qty	Qty 1	Qty	Qty	
311	Niova			1	0	1	0		
515	Steel	Protective Coating		1	0	0	1	0 Square Fe	et
Elemer	nt Defect Type		Defect Descriptio	n		CS	CS Qty	Maint Qtv	
311	Corrosion	LOSS OF PAINT AL		CORROSION	ON	2	1	Each	
515	Effectiveness (Stee			CORROSION	ON	3	1	1 Square I	Feet
	General Comments	b) THE BEARING PLA	ES.						
Spa	an 1		Near Bearing						
Fixe	ed Bearing								
Ele	ment	_		Total	CS1	CS2	CS3	CS4	
Nur 313	nber Fixed	Element Name		Qty 1	Qty	Qty 1	Qty	Qty 0 Each	
515	Stool			1	0	0	1		ot
515	Sleer	Fiblective Coating		I	0	0	I	0 Square re	
Elemer	nt Defect Type		Defect Descriptio	n		CS	CS Qty	Maint Qtv	
313	Corrosion	LOSS OF PAINT ALI	LOWING SURFACE	CORROSION	ON	2	1	Each	
515	Effectiveness (Stee	LOSS OF PAINT ALI		CORROSION	ON	3	1	1 Square I	Feet
	General Comments		20.						
Spa	an 1		ar Bearing						
Μον	vable Bearing		-						
Elo	mont			Total	CS1	662	<u></u>	<u>CS4</u>	
Nur	nber	Element Name		Qty	Qty	Qty	Qty	Qty	
311	Mova	ble Bearing		1	0	1	0	0 Each	
515	Steel	Protective Coating		1	0	0	1	0 Square Fee	et
Elemer	nt Pr Defect Type		Defect Descriptio	n		CS	CS Qty	Maint Otv	
311	Corrosion	LOSS OF PAINT AL		CORROSION	ON	2	1	Each	
515	Effectiveness (Stee	LOSS OF PAINT ALI	LOWING SURFACE	CORROSION	ON	3	1	1 Square I	Feet
	- rotootive oodilliga		LU.						

General Comments

tructure	Number: 43	30248						In	spection Date: <u>04/25/20</u>)17
Spa	an 1			Latex Modified Co	oncrete \	Nearing	Surfac	e		
Con	ncrete We	aring Su	face							
Eler Nur 510	ment mber	Wearing	Element Name Surface		Total Qty 1,459	CS1 Qty 1,279	CS2 Qty 180	CS3 Qty 0	CS4 Qty 0 Square Feet	
Elemen Numbe	nt er Defe	ct Type		Defect Description			CS	CS Qty	Maint Qty	
510	Crack (We Surface)	aring	WEARING SURFACTO 1/16" WIDE.	CE HAS SCATTERED N	IAP CRAC	KS UP	2	150	150 Square Fee	ŧ
510	Patched A (Wearing S	rea/Pothole Surface)	RIGHT LANE HAS CONDITION.	A 5' WIDE X 6' LONG P/	ATCH IN G	OOD	2	30	Square Fee	÷t
	General Co	mments								
Spa	an 2			Deck						
Reir	nforced C	concrete l	Deck							
Eler Nur 12	ment mber	Reinforc	Element Name ed Concrete Deck		Total Qty 1,902	CS1 Qty 794	CS2 Qty 1,100	CS3 Qty 8	CS4 Qty 0 Square Feet	
Elemen Numbe	nt er Defe	ct Type		Defect Description			CS	CS Qty	Maint Qty	
Spa Plat	an 2 te Girder			Beam 1						
Eler Nur 107	ment mber	Steel Op	Element Name en Girder/Beam		Total Qty 61	CS1 Qty 0	CS2 Qty 61	CS3 Qty 0	CS4 Qty 0 Feet	
515		Steel Pro	otective Coating		555	433	0	122	0 Square Feet	
Elemen	nt Defe	ct Type		Defect Description			CS	CS Qty	Maint	
107	Corrosion		LOSS OF PAINT AI FLANGE ALLOWIN	LONG THE TOP OF THI IG 1/16" PITTING ALON	E BOTTON G THE FLA	1 ANGE	2	61	Feet	
515	Effectivene Protective	ess (Steel Coatings)	LOSS OF PAINT AI FLANGE ALLOWIN	LONG THE TOP OF THI IG 1/16" PITTING ALON	E BOTTON G THE FLA	1 ANGE	3	122	122 Square Fee	ŧ
	General Co	mments		·						
Spa	an 2			Beam 2						
Plat	te Girder									
Eler Nur	ment mber	Steel On	Element Name		Total Qty 61	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515		Steel Pro	otective Coating		555	433	122	0	0 Square Feet	
Elemen	nt Defe	ct Type		Defect Description			CS	CS Qty	Maint Otv	
107	Corrosion		FRECKLED RUST A	ALONG THE BOTTOM I	FLANGE A	ND	2	61	Feet	
515	Effectivene Protective	ess (Steel Coatings)	FRECKLED RUST	ALONG THE BOTTOM I WEB.	FLANGE A	ND	2	122	122 Square Fee	ŧ
	General Co	mments								

Span 2			E	Beam 3						
Plat	te Girder									
Elei Nur 107	ment mber	Steel Op	Element Name en Girder/Beam		Total Qty 61	CS1 Qty 0	CS2 Qty 61	CS3 Qty 0	CS4 Qty 0	Feet
515		Steel Pro	otective Coating		555	433	122	0	0	Square Feet
Elemer Numbe	nt er Defect	Туре		Defect Description	n		CS	CS Qty	Maint Qty	
107	Corrosion		FRECKLED RUST AL LOWER 2" OF THE V	LONG THE BOTTO	M FLANGE AN	ID	2	61		Feet
515	Effectiveness Protective Co	s (Steel oatings)	FRECKLED RUST AL LOWER 2" OF THE V	LONG THE BOTTO	M FLANGE AN	ID	2	122	122	2 Square Feet
	General Comments									
Spa	an 2		E	Beam 4						
Plat	te Girder									
Elei Nur 107	ment nber	Steel Op	Element Name en Girder/Beam		Total Qty 61	CS1 Qty 0	CS2 Qty 61	CS3 Qty 0	CS4 Qty 0	Feet
515		Steel Pro	otective Coating		555	433	0	122	0	Square Feet
Elemer Numbe	nt er Defect	Туре		Defect Description	n		CS	CS Qty	Maint Qty	
107	Corrosion		LOSS OF PAINT ALC FLANGE ALLOWING AND LOWER WEB.	ONG THE TOP OF 1 1/16" PITTING ALC	THE BOTTOM	NGE	2	61	-	Feet
515 Effectiveness (Ste Protective Coating		s (Steel oatings)	LOSS OF PAINT ALONG THE TOP OF THE BOTTOM FLANGE ALLOWING 1/16" PITTING ALONG THE FLANGE AND LOWER WEB.			NGE	3	122	122	2 Square Feet

General Comments

Span 2

Left Bridge Rail

Concrete and Metal Railing

Elerr Num	nent iber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333		Other E	Bridge Railing	61	0	61	0	0	Feet
515		Steel P	rotective Coating	61	61	0	0	0	Square Feet
Element Number	Defec	t Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
333	Damage		THE LEFT RAIL HAS MINOR SCRA SOME TEARS IN THE STEEL FOR ALL SPANS.	APE DAMAGE, WIT	H H IN	2	61		Feet

General Comments

Span 2		Near Bearing							
Fixed B	earing								
Element Number 313	Element Name Fixed Bearing		Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each	
515	Steel Protective Coating		1	0	0	1	0	Square Feet	
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty		

Structure	Number: <u>430248</u>			Inspe	ction Date: 04/25/2017
313	Corrosion	LOSS OF PAINT ALLOWING SURFACE CORROSION ON THE BEARING PLATES.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	LOSS OF PAINT ALLOWING SURFACE CORROSION ON THE BEARING PLATES.	3	1	1 Square Feet

General Comments

Spa	n 2	Far Bearin	g					
Mov	able Bearing							
Elen Num 311	nent nber Movable	Element Name Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0 E	ach
515	Steel Pro	otective Coating	1	0	0	1	0 S	quare Feet
Elemen Number	t Defect Type	Defect Desc	cription		CS	CS Qty	Maint Qty	
311	Corrosion	LOSS OF PAINT ALLOWING SUR THE BEARING PLATES.	FACE CORROSION	ON	2	1		Each
515	Effectiveness (Steel Protective Coatings)	fectiveness (Steel LOSS OF PAINT ALLOWING SURFACE CORROSION ON otective Coatings) THE BEARING PLATES.			3	1	1	Square Feet
(General Comments							

Spa	n 2	Near E	Bearing					
Fixe	ed Bearing							
Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixe	d Bearing	1	0	1	0	0	Each
515	Stee	I Protective Coating	1	0	0	1	0	Square Feet
Elemen	t n Defect Type	Defect	Description		CS	CS Qty	Maint Qty	
313	Corrosion	LOSS OF PAINT ALLOWING THE BEARING PLATES.	SURFACE CORROSI	NO NC	2	1		Each
515	Effectiveness (Ste Protective Coating	el LOSS OF PAINT ALLOWING s) THE BEARING PLATES.	SURFACE CORROSI	NO NC	3	1	1	Square Feet
-	General Comment	S						

Spa	n 2	Far	Bearing					
Mov	able Bearing							
Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	1	0	0 Each	
515	Steel Pr	otective Coating	1	0	0	1	0 Square Feet	
Elemen Numbe	t r Defect Type	De	fect Description		CS	CS Qty	Maint Qty	
311	Corrosion	LOSS OF PAINT ALLOW THE BEARING PLATES	VING SURFACE CORROS	ON ON	2	1	Each	
515	Effectiveness (Steel Protective Coatings)	LOSS OF PAINT ALLOW THE BEARING PLATES	VING SURFACE CORROS	ON ON	3	1	1 Square Fee	ət
-	General Comments							

Near Bearing

Span 2 Fixed Bearing

	5						
Elen Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Be	aring	1	0	1	0	0 Each
515	Steel Pro	tective Coating	1	0	0	1	0 Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty
313	Corrosion	LOSS OF PAINT ALLOWING SURFACE C THE BEARING PLATES.	ORROSION	NON	2	1	Each
515	Effectiveness (Steel Protective Coatings)	LOSS OF PAINT ALLOWING SURFACE C THE BEARING PLATES.	ORROSION	NON	3	1	1 Square Feet
(General Comments						

Span 2

Far Bearing

Mov	able Bearing							
Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	1	0	0 Each	
515	Steel Pro	otective Coating	1	0	0	1	0 Squar	e Feet
Elemen Numbe	t r Defect Type	Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion	LOSS OF PAINT ALLOWING SURFACE OF THE BEARING PLATES.	CORROSION	NON	2	1	Ead	:h
515	Effectiveness (Steel Protective Coatings)	LOSS OF PAINT ALLOWING SURFACE OF THE BEARING PLATES.	CORROSION	NON	3	1	1 Squ	Jare Feet
-	General Comments							

Spa	n 2	Near Bearing)					
Fixe	ed Bearing							
Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	Bearing	1	0	1	0	0 Each	
515	Steel F	Protective Coating	1	0	0	1	0 Square Feet	
Elemen Numbe	t r Defect Type	Defect Descrip	otion		CS	CS Qty	Maint Qty	
313	Corrosion	LOSS OF PAINT ALLOWING SURFA THE BEARING PLATES.	ACE CORROSION	ON	2	1	Each	
515	Effectiveness (Steel Protective Coatings)	LOSS OF PAINT ALLOWING SURFA THE BEARING PLATES.	ACE CORROSION	ON	3	1	1 Square Feet	

General Comments

Far Bearing

Span 2		Far Bear	ing					
Movable	e Bearing							
Element Number 311	Movable	Element Name e Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
515	Steel Pr	rotective Coating	1	0	0	1	0	Square Feet
Element Number	Defect Type	Defect D	escription		CS	CS Qty	Maint Qty	
311 Cor	rosion	LOSS OF PAINT ALLOWING S THE BEARING PLATES.	URFACE CORROSION	ION	2	1		Each

515 Protective Coating General Comments

gs)	THE BEARING PLATES.
eei	LUGG OF FAINT ALLOWING SURFAC

LOWER 2" OF THE WEB.

Sno	n 7			Latay Madified Ca	noroto	Nooring	Surfac	•		
Spa	11 2			Latex Mourned Co	nciele	wearing	Surrac	,e		
Con	crete	e wearing Su	rface							
Eler Nun 510	nent nber	Wearing	Element Name Surface		Total Qty 1,695	CS1 Qty 1,545	CS2 Qty 150	CS3 Qty 0	CS4 Qty 0 S	Square Feet
Elemen Numbe 510	t r Crac Surfa Gener	Defect Type k (Wearing ace) al Comments	WEARING SURFAC TO 1/16" WIDE.	Defect Description CE HAS SCATTERED M	AP CRAC	KS UP	CS 2	CS Qty 150	Maint Qty 150	Square Feet
Spa	n 3			Deck						
Reir	oforc	ed Concrete	Deck							
Eler Nun 12	nent nber	Reinforc	Element Name ed Concrete Deck		Total Qty 1,919	CS1 Qty 813	CS2 Qty 1,100	CS3 Qty 6	CS4 Qty 0 S	Square Feet
Numbe	r	Defect Type		Defect Description			CS	CS Qty	Qty	
-	Gener	al Comments								
Spa	n 3			Beam 1						
Plat	e Gir	der								
Eler Nun 107	nent nber	Steel Op	Element Name ben Girder/Beam		Total Qty 61	CS1 Qty 0	CS2 Qty 61	CS3 Qty 0	CS4 Qty 0 F	Feet
515		Steel Pr	otective Coating		555	433	0	122	0 8	Square Feet
Elemen Numbe 107	t r Corre	Defect Type osion	LOSS OF PAINT AL	Defect Description ONG THE TOP OF THE G 1/16" PITTING ALONG	E BOTTON G THE FL/	1 ANGE	CS 2	CS Qty 61	Maint Qty	Feet
515	Effec Prote	ctiveness (Steel ective Coatings)	AND LOWER WEB LOSS OF PAINT AL FLANGE ALLOWIN AND LOWER WEB	LONG THE TOP OF THE G 1/16" PITTING ALONG	E BOTTON G THE FL/	1 ANGE	3	122	122	Square Feet
	Gener	al Comments								
Spa	n 3			Beam 2						
Plat	e Gir	der								
Eler Nun 107	nent nber	Steel Op	Element Name ben Girder/Beam		Total Qty 61	CS1 Qty 0	CS2 Qty 61	CS3 Qty 0	CS4 Qty 0 F	Feet
515		Steel Pr	otective Coating		555	433	122	0	0 8	Square Feet
Elemen Numbe	t r	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
107	Corre	osion	FRECKLED RUST	ALONG THE BOTTOM F	LANGE A	ND	2	61	-	Feet

515

Effectiveness (Steel Protective Coatings)

General Comments

FRECKLED RUST ALONG THE BOTTOM FLANGE AND LOWER 2" OF THE WEB.

Inspection Date: 04/25/2017

122 Square Feet

2

122

Spa	Span 3 Beam 3										
Plate Girder											
Elei Nur	ment mber		Element Name		Total Otv	CS1 Otv	CS2 Otv	CS3 Otv	CS4 Otv		
107		Steel Op	en Girder/Beam		61	0	61	0	0 Feet		
515		Steel Pro	tective Coating		555	433	122	0	0 Square Feet		
Elemer Numbe	nt Pr Defect	Туре		Defect Description	ו		CS	CS Qty	Maint Qty		
107	Corrosion		FRECKLED RUST / LOWER 2" OF THE	ALONG THE BOTTO WEB.	M FLANGE AN	ID	2	61	Feet		
515	515 Effectiveness (Steel Protective Coatings) FRECKLED RUST ALONG THE BOTTOM FLANGE AND 2 122 Square Feet LOWER 2" OF THE WEB.						et				
	General Com	ments									
Spa	an 3			Beam 4							
Plat	te Girder										
Ele	ment		Element Name		Total	CS1	CS2	CS3	CS4		
107	libei	Steel Op	en Girder/Beam		61	0	61	0	0 Feet		
515		Steel Pro	tective Coating		555	435	0	0	120 Square Feet		
Elemer	nt Defect	Туре		Defect Description	า		CS	CS Qty	Maint Qtv		
107	Corrosion		PEELING PAINT AL	LOWING SURFACE THE WEB.	CORROSION	ON	2	61	Feet		
515	Peeling/Bubb ing (steel Pro Coatings)	oling/Cracl otective	PEELING PAINT AL THE EXTERIOR FA	LOWING SURFACE CE OF THE WEB.	CORROSION	ON	4	120	120 Square Fee	et	
	General Com	ments									
Spa	an 3			Left Bridge Rail							
Cor	ncrete and I	Metal R	ailing								
Ele	ment		Element Name		Total Otv	CS1 Otv	CS2	CS3 Otv	CS4 Otv		
333		Other Bri	dge Railing		62	0	62	0	0 Feet		
515		Steel Pro	otective Coating		62	62	0	0	0 Square Feet		
Elemer Numbe	nt Pr Defect	Туре		Defect Description	ו		CS	CS Qty	Maint Qty		
333	Damage		THE LEFT RAIL HA SOME TEARS IN T ALL SPANS.	S MINOR SCRAPE D HE STEEL FOR THE	OAMAGE, WIT	H H IN	2	62	62 Feet		
	General Com	ments									

Span 3

Near Bearing

Movable Bearing

Elen Num	nent hber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable	Bearing	1	0	1	0	0 Each
515 Steel Pro		otective Coating	1	0	0	1	0 Square Feet
Element Number	t Defect Type	Defect Type Defect Descriptic			CS	CS Qty	Maint Qty
311	Corrosion LOSS OF PAINT ALLOWING SUR THE BEARING PLATES.		CORROSION	I ON	2	1	Each
515	Effectiveness (Steel Protective Coatings)	LOSS OF PAINT ALLOWING SURFACE THE BEARING PLATES.	CORROSION	I ON	3	1	1 Square Feet
-	Concrol Commonto						

General Comments

Spa	n 3			Far Bearing						
Fixe	d Bearing									
Elen Num 313	nent nber	Fixed Be:	Element Name		Total Qty 1	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Fach
515		Steel Pro	ective Coating		1	0	0	1	0	Square Feet
Elemen Number	t r Defect	Defect Type Defect Description				CS	CS Qty	Maint Qty		
313	Corrosion		LOSS OF PAINT AL THE BEARING PLA	LOWING SURFACE C	ORROSIO	N ON	2	1		Each
515	Effectiveness Protective Co	(Steel atings)	LOSS OF PAINT AL THE BEARING PLA	LOWING SURFACE C	ORROSIOI	N ON	3	1	Î	Square Feet
(General Com	ments								

Spa	n 3	Near Be	aring					
Mov	able Bearing							
Elen Num 311	nent nber Movable	Element Name Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
515	Steel Pr	otective Coating	1	0	0	1	0	Square Feet
Elemen Number	t Defect Type	Defect [Description		CS	CS Qty	Maint Qty	
311	Corrosion	LOSS OF PAINT ALLOWING THE BEARING PLATES.	SURFACE CORROSION	I ON	2	1		Each
515	Effectiveness (Steel Protective Coatings)	LOSS OF PAINT ALLOWING THE BEARING PLATES.	SURFACE CORROSION	ION	3	1		1 Square Feet

General Comments

Span 3		Far Bea	aring					
Fixed B	earing							
Element Number 313	Fixed I	Element Name Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
515	Steel F	Protective Coating	1	0	0	1	0	Square Feet
Element Number	Defect Type	Defect	Description		CS	CS Qty	Maint Qty	
313 Cor	rosion	LOSS OF PAINT ALLOWING THE BEARING PLATES.	SURFACE CORROSION	I ON	2	1		Each

LOSS OF PAINT ALLOWING SURFACE CORROSION ON THE BEARING PLATES.

1 Square Feet

1

3

515	Effectiveness (Steel	
	Protective Coatings)	
	General Comments	

Spa	an 3	Near E	Bearing					
Мо	able Bearing							
EL.			Tarat	004	000	000	004	
Eler	ment mber	Element Name	l otal Otv	CS1 Qtv	Otv	Otv Otv	Otv	
311	Mova	able Bearing	1	0	1	0	0	Each
515	Stee	Protective Coating	1	0	0	1	0	Square Feet
010	0.00		·	Ū	0		0	oquare r cor
Elemen	nt Defect Type	Defect	Description		CS	CS Qty	Maint Otv	
311	Corrosion	LOSS OF PAINT ALLOWING	SURFACE CORROSION	I ON	2	1	Qty	Each
515	Effectiveness (Stee	THE BEARING PLATES.	SURFACE CORROSION	ION	3	1		1 Square Feet
010	Protective Coating	s) THE BEARING PLATES.				•		
	General Comments	3						
Spa	an 3	Far Be	aring					
Eive	od Booring		0					
FIXE	eu beanng							
Eler	ment		Total	CS1	CS2	CS3	CS4	
Nur	nber Fixe	Element Name	Qty	Qty	Qty	Qty	Qty	Fach
313	FIXE	bearing	I	0	I	0	0	Each
515	Stee	I Protective Coating	1	0	0	1	0	Square Feet
Elemer	nt Defect Terre	D.()	Description		00	00.01	Maint	
Numbe	er Defect Type	Defect	Description		CS	CS Qty	Qty	
313	Corrosion	LOSS OF PAINT ALLOWING THE BEARING PLATES.	SURFACE CORROSION	ION	2	1		Each
515	Effectiveness (Stee	ELOSS OF PAINT ALLOWING	SURFACE CORROSION	I ON	3	1		1 Square Feet
	General Comments	6 ···· · · · · · · · · · · · · · · · ·						
•	•							
Spa	an 3	Near E	Bearing					
Мо	able Bearing							
Flei	ment		Total	CS1	CS2	CS3	CS4	
Nur	mber	Element Name	Qty	Qty	Qty	Qty	Qty	
311	Mova	able Bearing	1	0	1	0	0	Each
515	Stee	I Protective Coating	1	0	0	1	0	Square Feet
Elemer	nt						Maint	
Numbe	Defect Type	Defect	Description		CS	CS Qty	Qty	
					0	1		Fach
311	Corrosion	LOSS OF PAINT ALLOWING THE BEARING PLATES.	SURFACE CORROSION	ION	2	I		Lacii

General Comments

Structure Number: 430248 Inspection Date: 04/25/2017 Far Bearing Span 3 **Fixed Bearing** Element Total CS1 CS2 CS3 CS4 **Element Name** Number Qty Qty Qty Qty Qty 313 **Fixed Bearing** 1 0 0 0 Each 1 515 Steel Protective Coating 1 0 0 1 0 Square Feet Element Maint CS Qty Defect Type **Defect Description** CS Number Qty 313 Corrosion LOSS OF PAINT ALLOWING SURFACE CORROSION ON 2 1 Each THE BEARING PLATES. 515 Effectiveness (Steel LOSS OF PAINT ALLOWING SURFACE CORROSION ON 3 1 1 Square Feet THE BEARING PLATES. Protective Coatings) **General Comments** Span 3 Latex Modified Concrete Wearing Surface **Concrete Wearing Surface** Element Total CS1 CS2 CS3 CS4 Number Element Name Qty Qty Qty Qty Qty 510 Wearing Surface 1,710 1,560 150 0 0 Square Feet Maint Element CS Defect Type **Defect Description** CS Qty Number Qty 510 Crack (Wearing WEARING SURFACE HAS SCATTERED MAP CRACKS UP 2 150 150 Square Feet TO 1/16" WIDE. Surface) **General Comments** Steel Pile 1 End Bent 1 Steel Pile CS1 CS2 CS3 CS4 Element Total Number Element Name Qty Qty Qty Qty Qty 225 Steel Pile 1 0 0 0 Each 1 Element Maint Defect Type CS CS Qty **Defect Description** Number Qty **General Comments** END BENT PILES ARE NOT VISIBLE **Reinforced Concrete Footing 1** Bent 1 **Reinforced Concrete Footing** CS1 CS2 CS4 Element Total CS3 Number **Element Name** Qty Qty Qty Qty Qty 220 Reinforced Concrete Pile Cap/Footing 11 11 0 0 0 Feet Element Maint Defect Type **Defect Description** CS CS Qty Number Qty General Comments

NOT VISIBLE

Structure Number: 430248					Ins	spection Date: 04/28	5/2017
Bent 1	Reinforced C	Concrete Pier C	Cap 1				
Reinforced Concrete	Pier Cap						
Element		Total	CS1	CS2	CS3	CS4	
Number 234 Reinford	Element Name	Qty 30	Qty 20	Qty	Qty 2	Qty 0 Feet	
		50	20	0	2	0 1 661	
Element Number Defect Type	Defect Descrip	otion		CS	CS Qty	Maint Otv	
234 Patched Area	PATCH ON THE EAST FACE UNDE CRACKING.	R BEAM 1 HAS H/L	-	3	2	2 Feet	
234 Patched Area	FACES OF CAP HAVE SEVERAL PA	ATCHES IN GOOD		2	8	Feet	
General Comments							_
Bent 2	Reinforced C	Concrete Footir	ng 1				
Reinforced Concrete	Footing						
Element		Total	CS1	CS2	CS3	CS4	
Number	Element Name	Qty	Qty	Qty	Qty	Qty	
220 Reinford	ced Concrete Pile Cap/Footing	11	11	0	0	0 Feet	
Element Defect Type Number	Defect Descrip	otion		CS	CS Qty	Maint Qty	
General Comments NOT VISIBLE							_
Bent 2	Reinforced C	Concrete Pier C	Cap 1				
Reinforced Concrete	Pier Cap		Ī				
Element		Total	CS1	CS2	CS3	CS4	
Number	Element Name	Qty	Qty	Qty	Qty	Qty	
234 Reinford	ced Concrete Pier Cap	30	22	8	0	0 Feet	
Element Number Defect Type	Defect Descrip	otion		CS	CS Qty	Maint Otv	
234 Patched Area	FACES OF CAP HAVE SEVERAL PA	ATCHES IN GOOD		2	8	Feet	
General Comments	CONDITION.						_
End Bent 2	Reinforced C	Concrete Pier C	Cap 1				
Reinforced Concrete	Pier Cap						
Element		Total	CS1	CS2	CS3	CS4	
Number	Element Name	Qty	Qty	Qty	Qty	Qty	
234 Reinford	ced Concrete Pier Cap	39	28	11	0	0 Feet	
Element Number Defect Type	Defect Descrip	otion		CS	CS Qty	Maint Otv	
234 Patched Area	11' LONG X 2' HIGH PATCH ON THE END BENT CAP IS IN GOOD COND	E RIGHT END OF 1 ITION.	THE	2	11	Feet	

General Comments

End Bent	2	Stool	Dilo 1					
Life Dent	2	Sieer						
Steel Pile								
Element			Total	CS1	CS2	CS3	CS4	
Number		Element Name	Qty	Qty	Qty	Qty	Qty	
225	Steel Pile		1	1	0	0	0	Each
Element Number D	efect Type	Defec	t Description		CS	CS Qty	Maint Qty	
General	Comments							
EN	D BENT PILES	ARE NOT VISIBLE.						
Approach	1	Reinfo	orced Concrete App	roach Sl	ab 1			
Reinforce	d Concrete A	pproach Slab						
Element			Total	CS1	CS2	CS3	CS4	
Number		Element Name	Qty	Qty	Qty	Qty	Qty	
321	Reinforce	d Concrete Approach Slabs	280	260	20	0	0	Square Feet
Element Number D	efect Type	Defec	t Description		CS	CS Qty	Maint Qty	
321 Patche	d Area	THE EAST APPROACH WE APPROACH SLAB ARE PA PATCHES ARE IN GOOD C	ARING SURFACE AND TCHED IN THE RIGHT LA CONDITION.	NE.	2	20		Square Fee
General	Comments							
	•	5.1.4						
Approach	2	Reinfo	orced Concrete App	roach Si	ab 2			
Reinforce	d Concrete A	pproach Slab						
Element			Total	CS1	CS2	CS3	CS4	
Number	F • 4	Element Name	Qty	Qty	Qty	Qty	Qty	
321	Reinforce	d Concrete Approach Slabs	280	260	20	0	0	Square Feet
Element Number D	efect Type	Defec	t Description		CS	CS Qty	Maint Qty	
321 Patche	d Area	THE EAST APPROACH WE APPROACH SLAB ARE PA	ARING SURFACE AND	NE.	2	20	-	Square Fee

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1637
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	52
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	52
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	52
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	52
Span 1	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	53
Span 1	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	53
Span 1	Expansion Joint	Compression Seal	Compression Joint Seal	36
Span 1	Latex Modified Concrete Wearing Surface	Concrete Wearing Surface	Wearing Surface	1459
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1902
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	61
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	61
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	61
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	61
Span 2	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	61
Span 2	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	61
Span 2	Latex Modified Concrete Wearing Surface	Concrete Wearing Surface	Wearing Surface	1695
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1919
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	61
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	61
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	61
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	61
Span 3	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	62
Span 3	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	62
Span 3	Latex Modified Concrete Wearing Surface	Concrete Wearing Surface	Wearing Surface	1710
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	30
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	38
End Bent 1		Reinforced Concrete Abutment	Reinforced Concrete Abutment	42
Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	30
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	39
End Bent 2		Reinforced Concrete Abutment	Reinforced Concrete Abutment	42

General Inspection Notes

Bent 1

END BENT PILES ARE NOT VISIBLE

Bent 1

NOT VISIBLE

Bent 2

END BENT PILES ARE NOT VISIBLE.

Bent 2

NOT VISIBLE

National Bridge and NC Inspection Items

Structure Number: 430248

Inspection Date: 04/25/2017

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	7
Item 59: Superstructure	0 - 9 , N	7
Item 60: Substructure	0 - 9 , N	6
Item 61: Channel and Channel Protection	0 - 9 , N	Ν
Item 62: Culvert	0 - 9 , N	Ν
Item 71: Waterway Adequacy	0-9, N	Ν
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			
Wingwall	G, F, P, or C			
Field Scour Evaluation				
Drift	G, F, P, or C			
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		
Estimated Remaining Life	0 - 100 Years	20		
Superstructure Paint Code		А		

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

Item	Grade Scale	Grade
Regulatory Sign Noticed Issued	YES/NO	Ν
Priority Maintenance Request Submitted	YES/NO	Ν
Inspection Time	Hours	5
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	Ν
Boat Used	YES/NO	Ν
Other Equipment Used	YES/NO	Ν

National Bridge and NC SMU Inspection Item Details

Structur	e Numt	ber: 430248			Inspection Date: 04/25/2017
	Item	Substructure - Item 60	Grade 6	Maint Code	Qty. 0
	Details	TEMPORARY REPAIRS (CAPS)			
	Item	Approach Roadway Alignment - Item 72	Grade 8	Maint Code	Qty. 0
	Details	WEST APPROACH ASPHALT WEARING SURFA C/L.	CE IS BREAKING UP	IN A 3' WIDE X 9' LO	NG AREA ALONG THE

Date: 04/25/2017

Condition Photos



Span 3 Beam 4: PEELING PAINT ALLOWING SURFACE CORROSION ON THE EXTERIOR OF THE WEB.



Span 3 Beam 2: FRECKLED RUST ALONG THE BOTTOM FLANGE AND LOWER 2" OF THE WEB.

Date: 04/25/2017

Condition Photos



Span 3 Beam 1: LOSS OF PAINT ALONG THE TOP OF THE BOTTOM FLANGE ALLOWING 1/16" PITTING ALONG THE FLANGE AND LOWER WEB.



Approach 2: THE EAST APPROACH WEARING SURFACE AND APPROACH SLAB ARE PATCHED IN THE RIGHT LANE. PATCHES ARE IN GOOD CONDITION.

Structure: 430248

County: HAYWOOD

Date: 04/25/2017

Condition Photos



Span 3 Left Bridge Rail: THE LEFT RAIL HAS MINOR SCRAPE DAMAGE, WITH SOME TEARS IN THE STEEL FOR THE FULL LENGTH IN ALL SPANS.



Span 3 Latex Modified Concrete Wearing Surface: WEARING SURFACE HAS SCATTERED MAP CRACKS UP TO 1/16" WIDE.

Date: 04/25/2017

Condition Photos



Span 1 Latex Modified Concrete Wearing Surface: RIGHT LANE HAS A 5' WIDE X 6' LONG PATCH IN GOOD CONDITION.



Approach 1: THE EAST APPROACH WEARING SURFACE AND APPROACH SLAB ARE PATCHED IN THE RIGHT LANE. PATCHES ARE IN GOOD CONDITION.

Date: 04/25/2017

Condition Photos



WEST APPROACH ASPHALT WEARING SURFACE IS BREAKING UP IN A 3' WIDE X 9' LONG AREA ALONG THE C/L.



Bent 1 Cap 1: PATCH ON THE EAST FACE UNDER BEAM 1 HAS H/L CRACKING.

Date: 04/25/2017

Condition Photos



Span 1 Beam 2 Far Bearing: LOSS OF PAINT ALLOWING SURFACE CORROSION ON THE BEARING PLATES.

Date: 04/25/2017

Structure Photos



NORTH PROFILE



Date: 04/25/2017

Structure Photos



DECK UNDERSIDE



Structure: 430248

County: HAYWOOD

Date: 04/25/2017

Structure Photos



TYPICAL BEARING



SOUTH PROFILE

Date: 04/25/2017



END BENT 2



EAST APPROACH LOOKING WEST

Structure: 430248

County: HAYWOOD

Date: 04/25/2017



TRI-BEAM RAIL WAS INSTALLED INSIDE OF THE ORIGINAL CONCRETE RAIL.



TYPICAL BASE FOR TRI-BEAM RETROFIT RAIL.

Date: 04/25/2017



TYPICAL JOINT



GUARDRAIL LOOKING EAST

Date: 04/25/2017

Structure Photos



LOOKING SOUTH FROM THE STRUCTURE



LOOKING NORTH FROM THE STRUCTURE







GUARDRAIL LOOKING WEST

County: HAYWOOD

Date: 04/25/2017

Structure: 430248

County: HAYWOOD

Date: 04/25/2017

Structure Photos



WEST APPROACH LOOKING EAST



SCOUR

SUFFICIENCY RATING =

STATUS = Functionally Obsolete

IDEINTI ICATION		
(1) STATE NAME -NORTH CAROLINA BRIDGE	43	30248
(8) STRUCTURE NUMBER(FEDERAL) 0000	0000087	70248
(5) INVENTORY ROUTE (ON/UNDER) - ON	1100	00400
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2
(3) COUNTY CODE 87 (4) PLACE CODE		0
(6) FEATURE INTERSECTED - SR1613		
(7) FACILITY CARRIED I-40 EBL		
(9) LOCATION 1.1 MI.E.JCT.NC215		
(11)MILEPOINT		32.4
(16)LAT 35° 33' 20.53" (17)LONG 82° 49' 50.	.99"	
(98)BORDER BRIDGE STATE CODE PCT SHAF	RE	
(99)BORDER BRIDGE STRUCTURE NO		
STRUCTURE TYPE AND MATERIAL		
(43) STRUCTURE TYPE MAIN: Steel		
TYPE - Stringer Mutlibeam or Girder	CODE	302
(44) STRUCTURE TYPE APPR :		
TYPE -	CODE	000
(45) NUMBER OF SPANS IN MAIN UNIT		3
(46) NUMBER OF APPROACH SPANS		
(107)DECK STRUCTURE TYPE - 1	CODE	
(108)WEARING SURFACE / PROTECTIVE SYSTEM :		
(A) TYPE OF WEARING SURFACE -	CODE	
(B) TYPE OF MEMBRANE -	CODE	
(C) TYPE OF DECK PROTECTION -	CODE	
		1961
		1001
(106)YEAR RECONSTRUCTED		2011
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway		2011
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway	CODE	2011
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE	CODE	2011 11 2
 (106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE (29) AVERAGE DAILY TRAFFIC 	CODE	2011 11 2 25500
 (106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT 	CODE	2011 11 2 25500 23%
 (106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH 	CODE	2011 11 2 25500 23% 1 MI
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH GEOMETRIC DATA	CODE	2011 11 2 25500 23% 1 MI
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH GEOMETRIC DATA (48) LENGTH OF MAXIMUM SPAN	CODE	2011 11 2 25500 23% 1 MI 60 FT
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH GEOMETRIC DATA (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH	CODE 2	2011 11 2 25500 23% 1 MI 60 FT 74 FT
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT	CODE 2 1	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH GEOMETRIC DATA (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB	CODE	2011 11 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH GEOMETRIC DATA (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB (52) DECK WIDTH OUT TO OUT	CODE 2	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT 17 FT
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH GEOMETRIC DATA (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB (52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WIDTH (W/SHOULDERS)	CODE 2	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT 17 FT 41 FT
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH GEOMETRIC DATA (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB (52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) (33) BRIDGE MEDIAN - No Median	CODE 2 1 31.4 CODE	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT 17 FT 41 FT 1
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH (48) LENGTH OF MAXIMUM SPAN (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50) CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB (52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) (33) BRIDGE MEDIAN - No Median (34) SKEW 30° (35) STRUCTURE FLARED	CODE 2 1 31.4 CODE	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT 17 FT 41 FT 1 0
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB (52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) (33) BRIDGE MEDIAN - No Median (34) SKEW 30° (35) STRUCTURE FLARED (10) INVENTORY ROUTE MIN VERT CLEAR	CODE 2 1 31.4 CODE 999	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT 17 FT 41 FT 1 0 9.9 FT
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH GEOMETRIC DATA (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB (52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) (33) BRIDGE MEDIAN - No Median (34) SKEW 30° (35) STRUCTURE FLARED (10) INVENTORY ROUTE MIN VERT CLEAR (47) INVENTORY ROUTE TOTAL HORIZ CLEAR	CODE 2 1 31.4 CODE 999	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT 17 FT 41 FT 1 0 9.9 FT 28 FT
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB (52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) (33) BRIDGE MEDIAN - No Median (34) SKEW 30° (35) STRUCTURE FLARED (10) INVENTORY ROUTE MIN VERT CLEAR (47) INVENTORY ROUTE TOTAL HORIZ CLEAR (53) MIN VERT CLEAR OVER BRIDGE RDWY	CODE 2 2 1 31.4 CODE 999 2 999	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT 17 FT 41 FT 1 0 9.9 FT 28 FT 9.9 FT
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH (48) LENGTH OF MAXIMUM SPAN (48) STRUCTURE LENGTH (48) STRUCTURE LENGTH (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB (52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) (33) BRIDGE MEDIAN - No Median (34) SKEW 30° (35) STRUCTURE FLARED (10) INVENTORY ROUTE MIN VERT CLEAR (47) INVENTORY ROUTE TOTAL HORIZ CLEAR (53) MIN VERT CLEAR OVER BRIDGE RDWY (54) MIN VERT UNDERCLEAR REF Highway	CODE 2 1 31.4 CODE 999 999 14.83	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT 17 FT 41 FT 1 0 9.9 FT 33 FT
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH (48) LENGTH OF MAXIMUM SPAN (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50) CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB (52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) (33) BRIDGE MEDIAN - NO MEDIAN (44) SKEW 30° (35) STRUCTURE FLARED (10) INVENTORY ROUTE TOTAL HORIZ CLEAR (47) INVENTORY ROUTE TOTAL HORIZ CLEAR (47) MIN VERT CLEAR OVER BRIDGE RDWY (54) MIN VERT UNDERCLEAR REF Highway (55) MIN LAT UNDERCLEAR RT REF Highway	CODE 2 2 31.4 31.4 CODE 2 999 14.82 12	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT 17 FT 41 FT 1 0 9.9 FT 28 FT 33 FT 2.5 FT
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB (52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) (33) BRIDGE MEDIAN - No Median (34) SKEW 30° (35) STRUCTURE FLARED (10) INVENTORY ROUTE TOTAL HORIZ CLEAR (47) INVENTORY ROUTE TOTAL HORIZ CLEAR (47) INVENTORY ROUTE TOTAL HORIZ CLEAR (53) MIN VERT UNDERCLEAR REF Highway (55) MIN LAT UNDERCLEAR RT REF Highway	CODE 2 1 31.4 CODE 999 999 14.83 12	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT 17 FT 41 FT 1 0 9.9 FT 28 FT 9.9 FT 23 FT 2.5 FT 0 FT
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH GEOMETRIC DATA (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB (52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) (33) BRIDGE MEDIAN - No Median (34) SKEW 30° (35) STRUCTURE FLARED (10) INVENTORY ROUTE MIN VERT CLEAR (47) INVENTORY ROUTE TOTAL HORIZ CLEAR (47) INVENTORY ROUTE TOTAL HORIZ CLEAR (53) MIN VERT UNDERCLEAR REF Highway (55) MIN LAT UNDERCLEAR RT REF Highway (56) MIN LAT UNDERCLEAR LT REF -	CODE 2 1 31.4 CODE 999 999 14.8 12	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT 17 FT 41 FT 0 9.9 FT 28 FT 33 FT 2.5 FT 0 FT
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH GEOMETRIC DATA (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50) CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB (52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) (33) BRIDGE MEDIAN - No Median (34) SKEW 30° (35) STRUCTURE FLARED (10) INVENTORY ROUTE TOTAL HORIZ CLEAR (47) INVENTORY ROUTE MIN VERT CLEAR (47) INVENTORY ROUTE TOTAL HORIZ CLEAR (53) MIN VERT CLEAR OVER BRIDGE RDWY (54) MIN VERT UNDERCLEAR RT REF Highway (55) MIN LAT UNDERCLEAR RT REF Highway (56) MIN LAT UNDERCLEAR LT REF - NAVIGATION DATA (38) NAVIGATION CONTROL - Not Applicable	CODE 2 1 31.4 CODE 2 999 14.83 12 CODE	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT 17 FT 41 FT 1 0 9.9 FT 33 FT 2.5 FT 0 FT N
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH GEOMETRIC DATA (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB (52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) (33) BRIDGE MEDIAN - NO MEDIAN (47) INVENTORY ROUTE MIN VERT CLEAR (47) INVENTORY ROUTE MIN VERT CLEAR (47) INVENTORY ROUTE TOTAL HORIZ CLEAR (53) MIN VERT CLEAR OVER BRIDGE RDWY (54) MIN VERT UNDERCLEAR REF Highway (55) MIN LAT UNDERCLEAR RT REF Highway (56) MIN LAT UNDERCLEAR LT REF - NA VIGATION DATA (38) NAVIGATION CONTROL - Not Applicable (111) PIER PROTECTION -	CODE 2 1 31.4 CODE 2 999 14.8 12 CODE 12 CODE CODE	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT 17 FT 41 FT 1 0 9.9 FT 28 FT 33 FT 2.5 FT 0 FT N
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH GEOMETRIC DATA (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB (52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) (33) BRIDGE MEDIAN - No Median (34) SKEW 30° (35) STRUCTURE FLARED (10) INVENTORY ROUTE MIN VERT CLEAR (47) INVENTORY ROUTE MIN VERT CLEAR (47) INVENTORY ROUTE TOTAL HORIZ CLEAR (53) MIN VERT UNDERCLEAR REF Highway (55) MIN LAT UNDERCLEAR RT REF Highway (56) MIN LAT UNDERCLEAR LT REF - NAVIGATION DATA (38) NAVIGATION CONTROL - Not Applicable (111) PIER PROTECTION - (39) NAVIGATION VERTICAL CLEARANCE	CODE 2 2 1 31.4 CODE 999 2 999 14.8 12 2 CODE CODE CODE	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT 17 FT 41 FT 1 0 9.9 FT 28 FT 0.9 FT 28 FT 0.9 FT 23 FT 0 FT 0 FT 28 FT 0 FT 28 FT 0 FT 28 FT 0 FT 28 FT 0 FT 28 FT 0 FT 28 FT 1 N 0 PT 28 FT 28 FT 10 PT 28 PT 20 PT 20 PT 0 PT 0 PT 20 PT 0
(106)YEAR RECONSTRUCTED (42) TYPE OF SERVICE : ON - Highway UNDER - Highway (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE (29) AVERAGE DAILY TRAFFIC (30) YEAR OF ADT 2015 (109) TRUCK ADT PCT (19) BYPASS OR DETOUR LENGTH GEOMETRIC DATA (48) LENGTH OF MAXIMUM SPAN (49) STRUCTURE LENGTH (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT (51) BRIDGE ROADWAY WIDTH CURB TO CURB (52) DECK WIDTH OUT TO OUT (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) (33) BRIDGE MEDIAN - No Median (34) SKEW 30° (35) STRUCTURE FLARED (10) INVENTORY ROUTE MIN VERT CLEAR (47) INVENTORY ROUTE TOTAL HORIZ CLEAR (47) INVENTORY ROUTE TOTAL HORIZ CLEAR (53) MIN VERT CLEAR OVER BRIDGE RDWY (54) MIN VERT UNDERCLEAR REF Highway (55) MIN LAT UNDERCLEAR RT REF Highway (56) MIN LAT UNDERCLEAR RT REF Highway (56) MIN LAT UNDERCLEAR RT REF HIGHWAY (56) MIN LAT UNDERCLEAR LT REF - NAVIGATION DATA (38) NAVIGATION CONTROL - Not Applicable (111)PIER PROTECTION - (39) NAVIGATION VERTICAL CLEARANCE (116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR	CODE 2 2 1 31.4 CODE 999 14.8 12 14.8 12 CODE CODE	2011 11 2 25500 23% 1 MI 60 FT 74 FT 0 FT 28 FT 17 FT 41 FT 0 9 FT 28 FT 0.9 FT 33 FT 2.5 FT 0 FT N 0 FT

CLASSIFICATION -- CODF YES (112)NBIS BRIDGE SYSTEM -(104)HIGHWAY SYSTEM Is on the NHS 1 (26) FUNCTIONAL CLASS - Arterial - Interstate 01 (100)STRAHNET HIGHWAY - Interstate STRAHNET Route 1 (101) PARALLEL STRUCTURE - Right Parallel Structure R (102)DIRECTION OF TRAFFIC - 1-way Traffic 1 (103) TEMPORARY STRUCTURE -(110) DESIGNATED NATIONAL NETWORK - On the National Network 1 On Free Road 3 (20) TOLL (31) MAINTAIN -State Highway Agency 01 (22) OWNER -State Highway Agency 01 (37) HISTORICAL SIGNIFICANCE -Not Eligible 5 - CONDITION -- CODE · (58) DECK 7 (59) SUPERSTRUCTURE 7 (60) SUBSTRUCTURE 6 (61) CHANNEL & CHANNEL PROTECTION Ν (62) CULVERTS Ν LOAD RATING AND POSTING — - CODE · (31) DESIGN LOAD HS 20 + MOD 6 (63) OPERATING RATING METHOD - Load Factor 1 (64) OPERATING RATING -HS-51 91 (65) INVENTORY RATING METHOD - Load Factor 1 (66) INVENTORY RATING - HS-30 54 (70) BRIDGE POSTING -No Posting Required 5 (41) STRUCTURE OPEN, POSTED , OR CLOSED А DESCRIPTION - Open, No Restriction - CODE APPRAISAL (67) STRUCTURAL EVALUATION 6 (68) DECK GEOMETRY 2 (69) UNDERCLEARANCES, VERTI & HORIZ 6 (71) WATERWAY ADEQUACY Ν (72) APPROACH ROADWAY ALIGNMENT 8 (36) TRAFFIC SAFETY FEATURES 1111 (113)SCOUR CRITICAL BRIDGES Ν PROPOSED IMPROVEMENTS (75) TYPE OF WORK -CODE (76) LENGTH OF STRUCTURE IMPROVEMENT (94) BRIDGE IMPROVEMENT COST (95) ROADWAY IMPROVEMENT COST (96) TOTAL PROJECT COST (97) YEAR OF IMPROVEMENT COST ESTIMATE (114)FUTURE ADT 51000 (115) YEAR FUTURE ADT 2025 INSPECTIONS (90) INSPECTION DATE 04/25/2017 (93) CFI DATE (92) CRITICAL FEATURE INSPECTION : A) FRACTURE CRIT DETAIL - NO A) B) UNDERWATER INSP -NO B) C) OTHER SPECIAL INSP NO C)

76.54

	Structure	No:	430248
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Run Date:

			rtical		~			u			Traffic	ince	Ś	See Not	e 1					ute
Span Number	Feature Intersected	Inventory Route	Minimum Maximum Ve Clearance	Milepoint	Base Highway Network	LRS Inventory Route	Toll	Functional Classificatio	Numer of Lanes	Average Daily Traffic	Year of Average Daily	Total Horizontal Cleara	Reference Feature	Minimum Vertical Underclearance	Right Lateral Underclearance	Left Lateral Underclearance	Underclearance Appraisal Grade	STRAHNET Highway	Direction of Traffic	Highway System of Ro
	6	5	10	11	12	13	20	26	28	29	30	47	54A	54	55	56	69	100	102	104
2	SR 1613	31016130	15.52		0			19	2	2400	2014	49.7	Н	14.83	12.5		9	0	2	0

Note 1: Items 54, 55, and 56 are not reported FHWA under route data points but are collected for each under route to determine the minimum value for Underclearance Appraisal Item 69. The under route that generates the lowest Underclearance Appraisal value will be reported on the Facility Carried record.

BRIDGE MANAGEMENT UNIT

		DA	TA ON EXISTING	G STRUCTURE	Run D	ate: 11/29/201	7	
COUNTY : HAYWOOD		DIVISION : 14	DISTRICT: 2	STRUCTURE N 430	IUMBER : 0248	LEN	IGTH : 174	FEET
ROUTE CARRIED :	I-40 EBL		FEATURE IN	ITERSECTED :	SR1613			
LOCATED : 1.1 MI.E.	JCT.NC215		BRIDGE NAME	:	С	ITY :		
FUNC. CLASS :	SYST.ON :	SYST.UN	DER :	ADT & YR :		RAIL TY	PE :	
01	FA		NFA	25500	2015	LT 3	33 RT 3	33
BUILT : 1961	BY : SHC	PROJ :	8.19431	FED.AID PRO	OJ : 40-1(8)34	DESIGN LOA	D : HS 20 +	MOD
REHAB : 2011	BY : DOH	PROJ : 8.19402	ALIGNMEN 205	IT : SKEV RT	V : 60	LANES : ON 2	UNDER	2
NAVIGATION : VC 0	FT	HC 0	HT. CRN FT	. TO BED : 0	FT	WATER DEPTH	: 0	FT
SUPERSTRUCTURE	: REINF. CC	NCRETE FLOOI	R ON I-BEAMS(LA)	YTEX MODIFIED C	ONC.OVERLA	Y)		
SUBSTRUCTURE :	E.BTS:RC	CAPS/H-PILES;I	NT.BTS:RCP&B/PI	LE FTGS.				
SPANS :	1 @ 52'-1.1	875,1 @ 60'-6.0	625,1 @ 61'5625					
BEAMS OR GIRDERS	S : 4 LINE	ES 33 I-BEAMS	2 8' CENTERS					
FLOOR : 9 RC/NO	AWS	ENCROACHN	IENT :	DEC	K (OUT TO OU ⁻	T) : 31.417 FT		
CLEAR ROADWAY :		BETWEEN RA	LS :	SIDE	EWALK OR CU	RB :		
28	3 FT		28 FT		LT	0 FT	RT	0 FT
VERT.CL.OVER : 999.9 FT								
INV.RTG. : HS-30	OPE.RTG. : H	CON IS-51	TR.MEMBER : Int.bm	POSTEI s SV	D: TTST	DAT	Ē	
SYSTEM : Primary Interstate					GREEN I	LINE ROUTE :	Y	
UNDER ROUTES ANI	D CLEARANCES	;						

		Vertical Cl	earances	Horizo	ntal Clear	ances
Span	Route Description	MMVC	MVC	Total	Left	Right
2	SR 1613	15.5170	14.8330	49.70	0	12.50

Note: All measurements are in feet.

Structure Data Worksheet



Span No	Span Length	Bearing to Bearing	Comments
0	0	0	0
1	52'- 1 3/16"	49' 8"	
2	60'- 6 1/16"	59' 6"	
3	61'- 0 9/16"	58' 9"	NBIS = 166'-7"

Bridge Inspection Field Sketch

Deck Width/Out to Out	31.417ft	Wearing Surface	
Between Rails	28.000ft	Median Width	
Curb Height	0.750ft	Median Height	
Top Rail to Deck/Wearing Surface	2.667ft	Left Guardrail Width	
Clear Roadway	28.000ft	Right Guardrail Width	
Left Bridge Rail	Type 33	Right Bridge Rail	Туре 33





Bridge Inspection Field Sketch

Roadway	24ft Wide	2 Paved Lanes	Looking East
Left Shoulder	7ft Wide	7.0ft Paved	
Right Shoulder	10.1ft Wide	9.8ft Paved	0.3ft Unpaved
Left Guardrail	7.0ft from road		
Right Guardrail	10.1ft from road		

4-25-2017 DELVIN ADAMS								
Title	Description							
Approach Roadway	Data Worksheet							
Bridge No: 430248	Drawn By: Roy W. Shook	Date:07/2	9/2005	File Name:S0106000221				

		Bri	dge l	nsp	oectio	n Fie	d S	ketch		
				-						
Cap Inf	ormation		Material	Cast-in-	Place Concre	ete		T		
Lengt	n Width	Height	Left Over	hang	Right Overh	nang Left Be	eam to Er	nd of Cap. Righ	t Beam to Er	nd of Cap.
29.833	t. 3.000 ft.	3.000 ft.	4.500 Material) ft.	4.500 ft.	. 1.8	33 ft.	1	.833 ft.	
Lengt	n Width	Height	Left Over	hang	Right Overh	erhang Left Pile to Splice.				
Sill Info	ormation	11-1-1-1	Material							
Lengti	n vviatn	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	20.833 ft.	3 ft.	3 ft.		Vertical	No	No	No	No
2	Concrete		3 ft.	3 ft.		Vertical	No	No	No	No
Bent/A	outment #:		Similar I	3ents:	2					
Bent/Al Title	<u>outment #:</u> 4-25-20	L D17 DELVIN	Similar I	Bents:	2	Description				
Bent/Al Title INTERIOI	outment #: 4-25-20 R BENTS	L D17 DELVIN	Similar I I ADAMS	Bents:	2	Description SUBSTRUC	TURE D	PETAILS		

