NC DEPARTMENT OF TRANSPORTATION



DIVISION OF HIGHWAYS STRUCTURE MANAGEMENT UNIT

# Structure Safety Report

**Routine Element Inspection** 

COUNTY: HAYWOOD	STRUCTURE NUMBER: _4	30243	FREQUENCY	24 MONTHS
FACILITY CARRIED: 1-40			MILE POST:	31.1
LOCATION: 3.8 MI.E.JCT.SR166	0			
FEATURE INTERSECTED: NC215	5		_	
LATITUDE: <u>35° 33' 21.87"</u>	LONGITU	JDE: 82° 51' 4.55"		
SUPERSTRUCTURE: REINFOR	CED CONCRETE FLOOR C	DN I-BEAMS		
SUBSTRUCTURE: E.BTS:RC CA	PS/H-PILES;INT.BTS:RCP&	B/PILE FOOTINGS		
SPANS: <u>1 @ 41',1 @ 50',1 @ 54</u>	ť			
FRACTURE CRITICAL	TEMPORARY SHORING		SCOUR	PLAN OF ACTION
PRESENT CONDITION: Fair		INSPECTION DATE: 04/	25/2017	
POSTED SV: Not Posted		POSTED TTST: Not	Posted	
OTHER SIGNS PRESENT: NONE				



### WEST APPROACH LOOKING EAST

INSPECTED BY	SIGNATURE		ASSISTED BY	DELVIN ADAMS
JOSEPH HUNTSINGER		Joseph Munduz		

# Structure Element Scoring

### Structure Number: 430243

# 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	10357	9342	1000	15	0
107	0	Steel Open Girder/Beam	Beam	1450	0	1414	32	4
515	107	Steel Protective Coating	Beam	13660	0	13576	0	84
205	0	Reinforced Concrete Column	Piles and Columns	8	7	1	0	0
215	0	Reinforced Concrete Abutment	Abutments	136	136	0	0	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	10	10	0	0	0
225	0	Steel Pile	Piles and Columns	28	28	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	294	273	0	21	0
301	0	Pourable Joint Seal	Expansion Joints	0	0	0	0	0
311	0	Movable Bearing	Bearing Device	30	0	24	6	0
515	311	Steel Protective Coating	Bearing Device	60	0	0	48	12
313	0	Fixed Bearing	Bearing Device	30	0	24	6	0
515	313	Steel Protective Coating	Bearing Device	60	0	0	48	12
330	0	Metal Bridge Railing	Bridge Rail	290	290	0	0	0
515	330	Steel Protective Coating	Bridge Rail	290	290	0	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	145	0	0	145	0
510	0	Wearing Surface	Wearing Surfaces	9570	9330	0	240	0

# Summary of Maintenance Needs

Maintenance By Defect

### Structure Number: 430243

Inspection Date: 04/25/2017

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Exposed Rebar	30 Square Feet
3314	Steel Open Girder/Beam	Corrosion	36 Feet
3348	Reinforced Concrete Column	Cracking (RC and Other)	1 Each
3348	Reinforced Concrete Pier Cap	Exposed Rebar	18 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	3 Feet
3334	Movable Bearing	Corrosion	6 Each
3334	Fixed Bearing	Corrosion	6 Each
3318	Reinforced Concrete Bridge Railing	Cracking (RC and Other)	145 Feet
2816	Wearing Surface	Crack (Wearing Surface)	240 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	13780 Square Feet

# Element Structure Maintenance Quantities

Structure Number: 430	<u>243</u>				lr	nspection E	04/25/	<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	136	0	0	0	136
Beam	3314	Maintenance Steel Superstructure Components	36	1450	4	32	1414	0
Beam	3342	Clean and Paint Steel	13660	13660	84	0	13576	0
Bearing Device	3334	Bridge Bearing	12	60	0	12	48	0
Bearing Device	3342	Clean and Paint Steel	120	120	24	96	0	0
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	145	145	0	145	0	0
Bridge Rail	3322	Maintenance of Steel Bridge Rail	0	290	0	0	0	290
Bridge Rail	3342	Clean and Paint Steel	0	290	0	0	0	290
Caps	3348	Maintenance of Concrete Substructure	21	294	0	21	0	273
Deck	3326	Maintenance of Concrete Deck	30	10357	0	15	1000	9342
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	0	0	0	0	0
Footing	3348	Maintenance of Concrete Substructure	0	10	0	0	0	10
Piles and Columns	3348	Maintenance of Concrete Substructure	1	8	0	0	1	7
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	28	0	0	0	28
Wearing Surfaces	2816	Asphalt Surface Repair	240	9570	0	240	0	9330

## Element Condition and Maintenance Data

Structure N	lumber: <u>430243</u>					In	spection D	ate: 04/25/2017
Spar	า 1	Deck						
Rein	forced Concrete	Deck						
Elem Num 12	nent ber Reinfor	Element Name ced Concrete Deck	Total Qty 2,929	CS1 Qty 2,729	CS2 Qty 200	CS3 Qty 0	CS4 Qty 0 S	quare Feet
Element	Defect Type	Defect Descri	ption		CS	CS Qty	Maint	
12	Efflorescence/Rust Staining	HAIRLINE TRANSVERSE CRACKS IN THE UNDERSIDE OF THE DECK	WITH EFFLORE	SCENCE	2	200	Qty	Square Feet
(								
Spar	า 1	Beam 1						
Plate	e Girder							
Elem	nent		Total	CS1	CS2	CS3	CS4	
Num 107	iber Steel O	pen Girder/Beam	Qty 41	Qty 0	Qty 34	Qty 7	Qty 0 F	eet
515	Steel P	rotective Coating	385	0	371	0	14 S	quare Feet
Element	Defect Type	Defect Descri	ption		CS	CS Qty	Maint	
107	Corrosion	THE FULL WIDTH OF THE BOTTO TO 1/2" FOR 4' BEGINNING AT THE BEAM, AND 5/8" FOR 1' ADJACEN THE LOWER 9" OF THE WEB IS RE BEGINNING AT THE FAR END OF PORTION OF THE WEB IS NOT VIS DIAPHRAGMS. ORIGINAL 11/16" F THICKNESSES. A PRIORITY MAIN REQUESTED.	M FLANGE IS RE E FAR END OF TI I TO PREVIOUS EDUCED TO 3/8" THE BEAM. UPPI SIBLE DUE TO EI LANGE AND 1/2" TENANCE IS	DUCED HE LOSS. FOR 1.5' ER ND WEB	3	5	5	Feet
107	Corrosion	THE FULL WIDTH OF THE BOTTO TO 5/8" FOR 4' BEGINNING AT THE BEAM. THE LOWER 6" OF THE WE 7/16" FOR 1' BEGINNING AT THE N ORIGINAL 11/16" FLANGE AND 1/2 PRIORITY MAINTENANCE IS REQ	M FLANGE IS RE E NEAR END OF EB IS REDUCED NEAR END OF TH WEB THICKNE UESTED.	DUCED THE TO 3/8" - IE BEAM. SSES. A	3	2	2	Feet
107	Corrosion	PROTECTIVE SYSTEM DETERIOR FRECKLED RUST TO FORM ON TH THROUGHOUT. THE EXTERIOR H FLANGE, TOP FACE, HAS FULL LE WITH UP TO 1/16" PITTING.	ATING, ALLOWIN HE WEB AND FLA ALF OF THE BOT ENGTH CORROS	NG ANGES ITOM ION	2	34		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED AT	BEARINGS, RES	SULTING	4	14	14	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIOR FRECKLED RUST.	ATING ALLOWIN	G	2	371	371	Square Feet
Spar	า 1	Beam 2						
Plate	e Girder							
Elem Num 107	nent Iber Steel O	Element Name ppen Girder/Beam	Total Qty 41	CS1 Qty 0	CS2 Qty 41	CS3 Qty 0	CS4 Qty 0 F	eet

107	01001 04		41	0		0	0 1000	
515	Steel Pro	ptective Coating	385	0	385	0	0 Square Feet	
Element Number	Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIOR FRECKLED RUST ALONG THE WE	ATING, ALLOWING B AND FLANGES, AN	١D	2	41	Feet	

FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.

### Structure Number: 430243

515 Effectiveness (Steel

Protective Coatings)

PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM. Inspection Date: 04/25/2017

385 385 Square Feet

2

General Comments

Spa	n 1	Beam 3						
Plat	e Girder							
Eler Nun 107 515	nent nber Steel Op Steel Pru	Element Name ben Girder/Beam btective Coating	Total Qty 41 385	CS1 Qty 0	CS2 Qty 41 385	CS3 Qty 0 0	CS4 Qty 0 F	Feet Square Feet
Elemen Numbe	t r Defect Type	Defect Descrip	otion		CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIOR, FRECKLED RUST ALONG THE WEI CORROSION WITH 1/16" PITTING / THE ENDS OF THE BEAM.	ATING, ALLOWING B AND FLANGES, SCALE LOSS FOR	G AND R 1' AT	2	41	Ĩ	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIOR/ FRECKLED RUST ALONG THE WEI CORROSION WITH 1/16" PITTING / THE ENDS OF THE BEAM.	ATING, ALLOWING B AND FLANGES, SCALE LOSS FOR	B AND R 1' AT	2	385	385	Square Feet
_	General Comments							

Spa	n 1	Beam 4						
Plat	e Girder							
Eler Nun 107 515	nent nber Steel Op Steel Pr	Element Name ben Girder/Beam btective Coating	Total Qty 41 385	CS1 Qty 0	CS2 Qty 41 385	CS3 Qty 0 0	CS4 Qty 0	Feet Square Feet
Elemen Numbe	t r Defect Type	Defect Desci	ription		CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERION FRECKLED RUST ALONG THE W CORROSION WITH 1/16" PITTING THE ENDS OF THE BEAM.	RATING, ALLOWING EB AND FLANGES, / SCALE LOSS FOF	3 AND R 1' AT	2	41		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERION FRECKLED RUST ALONG THE W CORROSION WITH 1/16" PITTING THE ENDS OF THE BEAM.	RATING, ALLOWING EB AND FLANGES, / SCALE LOSS FOF	) AND R 1' AT	2	385	385	5 Square Feet

Spa	n 1	Beam 5						
Plat	e Girder							
Elen Num 107	nent nber Steel Op	Element Name en Girder/Beam	Total Qty 41	CS1 Qty 0	CS2 Qty 41	CS3 Qty 0	CS4 Qty 0 F	Feet
515	Steel Pro	otective Coating	385	0	385	0	0 5	Square Feet
Elemen Number	t Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIOR FRECKLED RUST ALONG THE WE CORROSION WITH 1/16" PITTING THE ENDS OF THE BEAM.	ATING, ALLOWING B AND FLANGES, / SCALE LOSS FOR	G AND R 1' AT	2	41		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIOR FRECKLED RUST ALONG THE WE	ATING, ALLOWING	) AND	2	385	385	Square Feet

THE ENDS OF THE BEAM.

General Comments

Spa	an 1			Beam 6						
Plat	te Girder									
Elei	ment				Total	CS1	CS2	CS3	CS4	
Nur	mber	014 41 01	Element Name		Qty	Qty	Qty	Qty	Qty	
107		Steel Op	en Girder/Beam		41	0	41	0	0 F	eet
515		Steel Pro	otective Coating		385	0	385	0	0 8	quare Feet
Elemer	nt Defect	Туре		Defect Description	n		CS	CS Qty	Maint	
107	Corrosion	,,	PROTECTIVE SYS FRECKLED RUST CORROSION WITH	TEM DETERIORATIN ALONG THE WEB AN H 1/16" PITTING / SC/	NG, ALLOWING ND FLANGES, A ALE LOSS FOR	and 1' At	2	41	Qty	Feet
515 Effectiveness (Steel PROTECTIVE SYSTEM DETERIORATING, ALL Protective Coatings) FRECKLED RUST ALONG THE WEB AND FLA CORROSION WITH 1/16" PITTING / SCALE LO THE ENDS OF THE BEAM.				NG, ALLOWING ND FLANGES, A ALE LOSS FOR	i AND R 1' AT	2	385	385	Square Feet	
	General Com	ments								
Spa	an 1			Beam 7						
Plat	te Girder									
Ele	ment				Total	CS1	CS2	CS3	CS4	
Nur 107	mber	Steel Or	Element Name		Qty 41	Qty 0	Qty 41	Qty 0	Qty 0 F	eet
515		Steel Pr			385	0	385	0		quare Feet
		Oleenin	Steelive County			0	000	0		
Elemer Numbe	nt Pr Defect	Туре		Defect Description	n		CS	CS Qty	Maint Qty	
107	Corrosion		PROTECTIVE SYS FRECKLED RUST CORROSION WITH THE ENDS OF THE	TEM DETERIORATIN ALONG THE WEB AN H 1/16" PITTING / SC/ E BEAM.	NG, ALLOWING ND FLANGES, A ALE LOSS FOR	and 1' At	2	41		Feet
515	Effectiveness Protective Co	s (Steel oatings)	PROTECTIVE SYS FRECKLED RUST CORROSION WITH THE ENDS OF THE	TEM DETERIORATIN ALONG THE WEB AN H 1/16" PITTING / SC/ E BEAM.	NG, ALLOWING ND FLANGES, A ALE LOSS FOR	i AND R 1' AT	2	385	385	Square Feet
	General Com	ments								
Spa	an 1			Beam 8						
Plat	te Girder									
Elei	ment				Total	CS1	CS2	CS3	CS4	
Nur	mber	04-1-0	Element Name		Qty	Qty	Qty	Qty	Qty	
107		Steel Op	en Girder/Beam		41	0	41	0	UF	eet
515		Steel Pro	otective Coating		385	0	385	0	0 S	quare Feet
Elemer	nt Pr Defect	Туре		Defect Description	n		CS	CS Qty	Maint Qtv	
107	Corrosion		PROTECTIVE SYS FRECKLED RUST CORROSION WITH THE ENDS OF THE	TEM DETERIORATIN ALONG THE WEB AN H 1/16" PITTING / SC/ E BEAM.	NG, ALLOWING ND FLANGES, A ALE LOSS FOR	and 1' At	2	41	~-,	Feet
515	Effectiveness Protective Co	s (Steel oatings)	PROTECTIVE SYS FRECKLED RUST CORROSION WITH THE ENDS OF THE	TEM DETERIORATIN ALONG THE WEB AN H 1/16" PITTING / SC/ E BEAM.	NG, ALLOWING ND FLANGES, A ALE LOSS FOR	aND 1' AT	2	385	385	Square Feet

Spa	n 1		Beam 9						
Plat	e Girder								
Elen Num 107	nent nber Stee	Element Name el Open Girder/Beam		Total Qty 41	CS1 Qty 0	CS2 Qty 41	CS3 Qty 0	CS4 Qty 0 F	eet
515	Stee	Protective Coating		385	0	385	0	0 5	quare Feet
Elemen	t							Maint	
Number	r Defect Type		Defect Description	١		CS	CS Qty	Qty	
107	Corrosion	PROTECTIVE SYS FRECKLED RUST CORROSION WITH THE ENDS OF THE	TEM DETERIORATIN ALONG THE WEB AN I 1/16" PITTING / SCA E BEAM.	IG, ALLOWING ID FLANGES, A ALE LOSS FOR	ND 1' AT	2	41		Feet
515	Effectiveness (Ste Protective Coating	el PROTECTIVE SYS (s) FRECKLED RUST CORROSION WITH THE ENDS OF THE	TEM DETERIORATIN ALONG THE WEB AN I 1/16" PITTING / SCA E BEAM.	IG, ALLOWING ID FLANGES, A ALE LOSS FOR	ND 1' AT	2	385	385	Square Feet
-	General Comment	S							_
Spa	n 1		Beam 10						
Plat	e Girder								
Elen	nent nber	Element Name		Total Qtv	CS1 Qtv	CS2 Qtv	CS3 Qtv	CS4 Qtv	
107	Stee	el Open Girder/Beam		41	0	33	4	4 F	eet
515	Stee	el Protective Coating		385	0	371	0	14 S	quare Feet
Elemen Number	t Defect Type		Defect Description	ו		CS	CS Qty	Maint Qty	
107	Corrosion	THE FULL WIDTH ( TO 1/8" - 3/16" FOR THE BEAM, AND 5/ PREVIOUS AREA. REDUCED TO 1/16 END WITH A 3" WII BEGINNING 4" FRO UP FROM THE BAS MAINTENANCE IS	DF THE BOTTOM FL/ 2'-6" BEGINNING AT 16" - 3/8" FOR 1.5' AI THE LOWER 9" OF T " - 1/8" FOR 12" BEG DE X 1/2" HIGH COM DM THE FAR END OF SE OF THE WEB. A P REQUESTED.	ANGE IS REDL THE FAR ENI DJACENT TO HE WEB IS INNING AT THI PLETE LOSS THE BEAM A PRIORITY	ICED DOF E FAR F 8"	4	4	4	Feet
107	Corrosion	THE FULL WIDTH ( TO 9/16" - 5/8" FOR THE BEAM. THE LC 1/4" - 5/16" FOR 2' I BEAM. ORIGINAL 1 THICKNESSES. A F REQUESTED.	DF THE BOTTOM FL/ 4' BEGINNING AT T OWER 16" OF THE W BEGINNING AT THE 1/16" FLANGE AND PRIORITY MAINTENA	ANGE IS REDL HE NEAR END /EB IS REDUCE NEAR END OF 1/2" WEB ANCE IS	ICED OF ED TO THE	3	4	4	Feet
107	Corrosion	PROTECTIVE SYS FRECKLED RUST THROUGHOUT. TH FLANGE, TOP FAC WITH UP TO 1/16"	TEM DETERIORATIN TO FORM ON THE W IE EXTERIOR HALF ( E, HAS FULL LENGT PITTING.	ig, allowing /EB and flan Of the Botto 'H Corrosion	GES DM N	2	33		Feet
515	Effectiveness (Ste Protective Coating	el PROTECTIVE SYS IN CORROSION W	TEM FAILED AT BEA TH SECTION LOSS	RINGS, RESUL	TING	4	14	14	Square Feet
515	Effectiveness (Ste Protective Coating	el PROTECTIVE SYS s) FRECKLED RUST.	TEM DETERIORATIN	IG ALLOWING		2	371	371	Square Feet
-	General Comment	S							

Structure Numb	er: <u>430243</u>						Ins	spection Date: 04/25/2017
Span 1		V	Vearing Surfac	ce				
Asphalt	Wearing Surf	ace						
Element Number 510	Wearing	Element Name Surface		Total Qty 2,706	CS1 Qty 2,646	CS2 Qty 0	CS3 Qty 60	CS4 Qty 0 Square Feet
Element	Defect Type		Defect Description	on		CS	CS Qty	Maint
510 Crac Surfa Gene	k (Wearing ace) ral Comments	1/4" - 1/2" WIDE TRA EXPANSION JOINTS	NSVERSE CRACI	KS AT THE		3	60	60 Square Feet
0			Andian Dail					
Concrete	e Railing	IN	leoran kali					
Element Number 331	Reinforc	Element Name ed Concrete Bridge Rai	ling	Total Qty 41	CS1 Qty 0	CS2 Qty 0	CS3 Qty 41	CS4 Qty 0 Feet
Element Number	Defect Type		Defect Descriptio	on		CS	CS Qty	Maint Qty
331 Crac Othe Gene	king (RC and er) ral Comments	6" - 1' HIGH HAIRLIN THE RAIL, BOTH FA	E MAP CRACKS A CES.	ALONG THE BA	SE OF	3	41	41 Feet
Span 1		١	lear Bearing					
Fixed Be	earing							
Element Number 313	Fixed Be	Element Name earing		Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 Each
515	Steel Pro	otective Coating		2	0	0	0	2 Square Feet
Element	Defect Type		Defect Description	on		CS	CS Qty	Maint Otv
313 Corr	osion	BEARING DEVICE C SECTION LOSS TO I PLATES. THE ANCH LOSS.	ORRODED WITH BOTH THE MASO OR NUTS HAVE L	1/16" - 1/8" SCA NRY AND SOLE JP TO 75 PERC	LE E ENT	3	1	1 Each
515 Effect Prote Gener	ctiveness (Steel ective Coatings) ral Comments	PROTECTIVE SYSTE WITH SECTION LOS	EM FAILED ALLOV S.	WING CORROS	ION	4	2	2 Square Feet
Span 1 Movable	Bearing	F	ar Bearing					
Element Number 311	Movable	Element Name Bearing		Total Qty 1	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty 0 Fach
515	Steel Pro	otective Coating		2	0	0	0	2 Square Feet
Element					-	-	-	Maint
Number 311 Corr	Defect Type osion	BEARING DEVICE C SECTION LOSS TO I PLATES. THE ANCH	Defect Description ORRODED WITH BOTH THE MASO OR NUTS HAVE U	on 1/16" - 1/8" SCA NRY AND SOLE JP TO 75 PERC	NLE E ENT	CS 3	CS Qty 1	Qty 1 Each
515 Effect	ctiveness (Steel ective Coatings)	PROTECTIVE SYSTE WITH SECTION LOS	EM FAILED ALLOV S.	WING CORROS	ION	4	2	2 Square Feet
Gene	ral Comments							

Spa	n 1			Near Bearing						
Fixe	ed Bearing									
Eler Nun 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		2	0	0	2	0	Square Feet
Elemen	t Defect	Туре		Defect Description			CS	CS Qtv	Maint	
313	Corrosion		PROTECTIVE SYS CORROSION WITH CORROSION.	TEM DETERIORATING, I FRECKLED RUST / SU	ALLOWING IRFACE		2	1	Qty	Each
515	Effectiveness Protective Co	(Steel atings)	PROTECTIVE SYS CORROSION WITH CORROSION.	TEM DETERIORATING, I FRECKLED RUST / SU	ALLOWING IRFACE		3	2	2	Square Feet
	General Comr	nents								
Spa	n 1			Far Bearing						
Mov	able Bearin	ng								
Eler Nun 311	nent nber	Movable	Element Name		Total Qty 1	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Fach
515		Steel Pro	tective Coating		2	0	0	2	0	Square Feet
			g		_				Matat	
Numbe	r Defect	Туре		Defect Description			CS	CS Qty	Qty	
311	Corrosion		PROTECTIVE SYS <sup>®</sup> CORROSION WITH CORROSION.	TEM DETERIORATING, I FRECKLED RUST / SU	ALLOWING IRFACE		2	1		Each
515	Effectiveness Protective Co	(Steel atings)	PROTECTIVE SYS CORROSION WITH CORROSION.	TEM DETERIORATING, I FRECKLED RUST / SU	ALLOWING IRFACE		3	2	2	Square Feet
-	General Comr	ments								
Spa	n 1			Near Bearing						
Fixe	ed Bearing									
Eler Nun	nent nber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313		Fixed Bea	aring		1	0	1	0	0 1	=ach
515		Steel Pro	tective Coating		2	0	0	2	0 \$	Square Feet
Elemen Numbe	t r Defect	Гуре		Defect Description			CS	CS Qty	Maint Qtv	
313	Corrosion		PROTECTIVE SYS CORROSION WITH CORROSION	TEM DETERIORATING, I FRECKLED RUST / SU	ALLOWING IRFACE		2	1	,	Each
515	Effectiveness Protective Co	(Steel atings)	PROTECTIVE SYS	TEM DETERIORATING, I FRECKLED RUST / SU	ALLOWING IRFACE		3	2	2	Square Feet

General Comments

CORROSION.

## Movable Bearing

Span 1

Elen Num	nent iber	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	2	0	0	2	0 Square Feet	
Element	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORAT CORROSION WITH FRECKLED RUS CORROSION.	FING, ALLOWING T / SURFACE		2	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORAT CORROSION WITH FRECKLED RUS CORROSION.	FING, ALLOWING T / SURFACE		3	2	2 Square Feet	

General Comments

Near Bearing

## Fixed Bearing

Elen Num 313	nent hber Fixed Be	Element Name aring	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
515 Steel Pro		otective Coating	2	0	0	2	0	Square Feet
Element Number	t Defect Type	Defect Description			CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING CORROSION WITH FRECKLED RUST / S CORROSION.	G, ALLOWING SURFACE		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING CORROSION WITH FRECKLED RUST / S CORROSION.	G, ALLOWING SURFACE		3	2		2 Square Feet

General Comments

Spa	n 1	Far Be	aring					
Моч	able Bearing							
Eler Nun	Element Number Element N		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	1	0	0	Each
515	Steel Pr	ptective Coating	2	0	0	2	0	Square Feet
Elemen Numbe	t r Defect Type	Type Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.			2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DET CORROSION WITH FRECK CORROSION.	ERIORATING, ALLOWING LED RUST / SURFACE		3	2	2	2 Square Feet

# Fixed Bearing

Span 1

	-							
Elerr 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	ptective Coating	2	0	0	2	0 Square Feet	
Element Number	Defect Type	Defect Description	1		CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		2	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		3	2	2 Square Feet	

General Comments

Far Bearing

# Movable Bearing

Elem Num 311	nent iber 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	2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / 3 CORROSION.	G, ALLOWING SURFACE		2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / 3 CORROSION.	G, ALLOWING SURFACE		3	2	2	2 Square Feet

General Comments

Spa	n 1	Near Bearir	ng					
Fixe	ed Bearing							
Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	1	0	0 Each	
515	Steel P	rotective Coating	2	0	0	2	0 Square Feet	
Elemen Numbe	t r Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.			2	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIO CORROSION WITH FRECKLED R CORROSION.	RATING, ALLOWING UST / SURFACE	ì	3	2	2 Square Feet	

## Movable Bearing

Span 1

Elen Num	nent iber	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	2	0	0	2	0 Square Feet	
Element	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORAT CORROSION WITH FRECKLED RUS CORROSION.	FING, ALLOWING T / SURFACE		2	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORAT CORROSION WITH FRECKLED RUS CORROSION.	FING, ALLOWING T / SURFACE		3	2	2 Square Feet	

General Comments

Near Bearing

## Fixed Bearing

Elen Num 313	nent hber Fixed Be	Element Name aring	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
515	Steel Pro	otective Coating	2	0	0	2	0	Square Feet
Element Number	t Defect Type	Defect Description			CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATING CORROSION WITH FRECKLED RUST / S CORROSION.	G, ALLOWING SURFACE		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING CORROSION WITH FRECKLED RUST / S CORROSION.	G, ALLOWING SURFACE		3	2		2 Square Feet

General Comments

Spa	n 1	Far Be	aring									
Movable Bearing												
Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty					
311 Movable Bearing		Bearing	1	0	1	0	0	Each				
515	Steel Pr	ptective Coating	2	0	0	2	0	Square Feet				
Elemen Numbe	t r Defect Type	Defect	Description		CS	CS Qty	Maint Qty					
311	Corrosion	rosion PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.						Each				
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DET CORROSION WITH FRECK CORROSION.	ERIORATING, ALLOWING LED RUST / SURFACE		3	2	2	2 Square Feet				

# Fixed Bearing

Span 1

	-							
Elerr 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	otective Coating	2	0	0	2	0 Square Feet	
Element Number	Defect Type	Defect Description	1		CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		2	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		3	2	2 Square Feet	

General Comments

Far Bearing

# Movable Bearing

Elem Num 311	nent iber Movable	Element Name Bearing	Total Qty 1		CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
515	Steel Pr	otective Coating	2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / 3 CORROSION.	G, ALLOWING SURFACE		2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / 3 CORROSION.	G, ALLOWING SURFACE		3	2	2	2 Square Feet

General Comments

Spa	n 1	Near Bearir	ng					
Fixe	ed Bearing							
Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	1	0	0 Each	
515	Steel P	rotective Coating	2	0	0	2	0 Square Feet	
Elemen Numbe	t r Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
313	Corrosion	rrosion PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / 3 CORROSION.			2	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIO CORROSION WITH FRECKLED R CORROSION.	RATING, ALLOWING UST / SURFACE	ì	3	2	2 Square Feet	

Span 1

## Movable Bearing

Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	1	0	0	Each
515	Steel Pro	tective Coating	2	0	0	2	0	Square Feet
Element	Defect Type	fect Type Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING CORROSION WITH FRECKLED RUST / SURFACE CORROSION.			2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING CORROSION WITH FRECKLED RUST / S CORROSION.	6, ALLOWING SURFACE		3	2	:	2 Square Feet

General Comments

Span	1
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Near Bearing

## Fixed Bearing

Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	2	0	0	0	2	Square Feet
Elemen Numbe	t r Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
313	Corrosion	BEARING DEVICE CORRODED WITH SECTION LOSS TO BOTH THE MASC PLATES. THE ANCHOR NUTS HAVE I LOSS.	1/16" - 1/8" SC/ NRY AND SOLI UP TO 75 PERC	ALE E CENT	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLO WITH SECTION LOSS.	WING CORROS	SION	4	2	2	2 Square Feet
	<u> </u>							

**General Comments** 

Spa	n 1	Far Bearing					
Моч	able Bearing						
Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable	Bearing	1	0	0	1	0 Each
515	Steel Pro	otective Coating	2	0	0	0	2 Square Feet
Elemen Numbe	t r Defect Type	Defect Descri	otion		CS	CS Qty	Maint Qty
311	Corrosion	BEARING DEVICE CORRODED WI SECTION LOSS TO BOTH THE MAX PLATES. THE ANCHOR NUTS HAV LOSS.	3	1	1 Each		
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALL WITH SECTION LOSS.	OWING CORROS	SION	4	2	2 Square Feet
	Concerned Commencerte						

Structure	Number: 43	0243						In	spection D	ate: 04/25/2017
Spa	an 2			Deck						
Rei	nforced C	oncrete	Deck							
Eler Nur 12	ment mber	Reinford	Element Name ed Concrete Deck		Total Qty 3.571	CS1 Qty 2.971	CS2 Qty 600	CS3 Qty 0	CS4 Qty 0 5	Square Feet
Elomor	<b>.</b>				-,	_,			Moint	
Numbe	er Defec	t Туре		Defect Descript	ion		CS	CS Qty	Qty	
12	Efflorescen Staining	ce/Rust	HAIRLINE TRANS	VERSE CRACKS W DE OF THE DECK.	ITH EFFLORE	SCENCE	2	600		Square Feet
		linents								
Spa	an 2			Beam 1						
Plat	te Girder									
Eler	ment				Total	CS1	CS2	CS3	CS4	
Nur 107	mber	Steel Op	ben Girder/Beam		Qty 50	Qty 0	Qty 42	Qty 8	Qty 0 F	eet
515		Steel Pr	otective Coating		473	0	459	0	14 5	Square Feet
Elemer	nt Defec	t Type		Defect Descript	ion		CS	CS Otv	Maint	
Numbe	Corrosion	( Type	THE FULL WIDTH		FI ANGE IS RE		3	4 co di	Qty 4	Feet
			TO 5/8" FOR 4' BE BEAM. THE LOWE 7/16" FOR 1' BEGII UPPER PORTION END DIAPHRAGM WEB THICKNESSE REQUESTED.	THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE FAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED						
107	Corrosion		THE FULL WIDTH TO 5/8" FOR 4' BE BEAM. THE LOWE 7/16" FOR 1' BEGII UPPER PORTION END DIAPHRAGM WEB THICKNESSE REQUESTED.	THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS				4	4	Feet
107	Corrosion		PROTECTIVE SYS FRECKLED RUST THROUGHOUT. TH FLANGE, TOP FAC WITH UP TO 1/16"	TEM DETERIORA TO FORM ON THE HE EXTERIOR HAL CE, HAS FULL LEN PITTING.	FING, ALLOWII WEB AND FL F OF THE BO GTH CORROS	NG ANGES ITOM ION	2	42		Feet
515	Effectivene: Protective (	ss (Steel Coatings)	PROTECTIVE SYS	TEM FAILED AT B	EARINGS, RES	SULTING	4	14	14	Square Feet
515	Effectivenes	ss (Steel	PROTECTIVE SYS	TEM DETERIORA	TING ALLOWIN	IG	2	459	459	Square Feet

Span 2

### Beam 2

Plate Girder

Elem Num 107	nent iber	Steel	Element Name Open Girder/Beam	Total Qty 50	CS1 Qty 0	CS2 Qty 50	CS3 Qty 0	CS4 Qty 0 Feet	
515		Steel	Protective Coating	473	0	473	0	0 Square Feet	
Element Number	De	efect Type	Defect Desc	Defect Description				Maint Qty	
107	Corrosi	prrosion PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.				2	50	Feet	

### Structure Number: 430243

515 Effectiveness (Steel

Protective Coatings)

PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM. Inspection Date: 04/25/2017

473 473 Square Feet

2

General Comments

Spa	n 2	Beam 3						
Plat	e Girder							
Eler Nun 107 515	nent nber Steel Op Steel Pro	Element Name en Girder/Beam otective Coating	Total Qty 50 473	CS1 Qty 0	CS2 Qty 50 473	CS3 Qty 0 0	CS4 Qty 0 F 0 S	<sup>-</sup> eet Square Feet
Elemen Numbe	t Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIO FRECKLED RUST ALONG THE W CORROSION WITH 1/16" PITTING THE ENDS OF THE BEAM.	RATING, ALLOWING /EB AND FLANGES, . 6 / SCALE LOSS FOF	) AND R 1' AT	2	50		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIO FRECKLED RUST ALONG THE W CORROSION WITH 1/16" PITTING THE ENDS OF THE BEAM.	RATING, ALLOWING /EB AND FLANGES, S / SCALE LOSS FOF	G AND R 1' AT	2	473	473	Square Feet
-	General Comments							

Spa	n 2	Beam 4						
Plat	e Girder							
Elen Num 107 515	nent hber Steel Op Steel Pro	Element Name ben Girder/Beam btective Coating	Total Qty 50 473	CS1 Qty 0	CS2 Qty 50 473	CS3 Qty 0 0	CS4 Qty 0	Feet Square Feet
Elemen	t r Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIO FRECKLED RUST ALONG THE W CORROSION WITH 1/16" PITTING THE ENDS OF THE BEAM.	RATING, ALLOWING 'EB AND FLANGES, 3 / SCALE LOSS FOR	G AND R 1' AT	2	50		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIO FRECKLED RUST ALONG THE W CORROSION WITH 1/16" PITTING THE ENDS OF THE BEAM.	RATING, ALLOWING EB AND FLANGES, S / SCALE LOSS FOR	G AND R 1' AT	2	473	473	3 Square Feet

Spa	n 2	Beam 5						
Plate	e Girder							
Elen Num 107	nent nber Steel Op	Element Name en Girder/Beam	Total Qty 50	CS1 Qty 0	CS2 Qty 50	CS3 Qty 0	CS4 Qty 0	Feet
515	Steel Pro	tective Coating	473	0	473	0	0	Square Feet
Elemen	t Defect Type	Defect Descrip	tion		CS	CS Qty	Maint	
407							Quy	
107	Corrosion	PROTECTIVE SYSTEM DETERIORA FRECKLED RUST ALONG THE WEB CORROSION WITH 1/16" PITTING / S THE ENDS OF THE BEAM.	TING, ALLOWING AND FLANGES, SCALE LOSS FO	G AND R 1' AT	2	50	Qty	Feet

THE ENDS OF THE BEAM.

General Comments

Spa	in 2			Beam 6					
Plat	e Girder								
Eler	ment				Total	CS1	CS2	CS3	CS4
Nur	nber	Steel On	Element Name		Qty 50	Qty	Qty 50	Qty	Qty 0 Feet
515		Steel Op			472	0	472	0	
		Oleen n	Sective Coating		475	0	475	0	0 Oquale i eet
Elemen	nt Pr Defect	Туре		Defect Description	on		CS	CS Qty	Maint Qtv
107	Corrosion		PROTECTIVE SYS FRECKLED RUST CORROSION WITH THE ENDS OF THE	TEM DETERIORAT ALONG THE WEB A I 1/16" PITTING / SC E BEAM.	ING, ALLOWING ND FLANGES, A CALE LOSS FOR	AND R 1' AT	2	50	Feet
515	Effectivenes Protective Co	s (Steel oatings)	PROTECTIVE SYS FRECKLED RUST CORROSION WITH THE ENDS OF THE	TEM DETERIORATI ALONG THE WEB A 1 1/16" PITTING / SC E BEAM.	ING, ALLOWING AND FLANGES, A CALE LOSS FOR	AND R 1' AT	2	473	473 Square Fe
	General Com	ments							
-	_			_					
Spa	in 2			Beam 7					
Plat	e Girder								
Eler	ment				Total	CS1	CS2	CS3	CS4
Nur 107	nber	Steel Op	en Girder/Beam		Qty 50	Qty 0	Qty 50	Qty 0	Qty 0 Feet
515		Steel Pro	otective Coating		473	0	473	0	0 Square Feet
Flomon	.+		<u> </u>						Maint
Numbe	r Defect	Туре		Defect Description	on		CS	CS Qty	Qty
107	Corrosion		PROTECTIVE SYS FRECKLED RUST CORROSION WITH THE ENDS OF THE	TEM DETERIORATI ALONG THE WEB A I 1/16" PITTING / SC E BEAM.	ING, ALLOWING AND FLANGES, A CALE LOSS FOF	AND R 1' AT	2	50	Feet
515	Effectivenes: Protective Co	s (Steel oatings)	PROTECTIVE SYS FRECKLED RUST CORROSION WITH THE ENDS OF THE	TEM DETERIORAT ALONG THE WEB A I 1/16" PITTING / SC E BEAM.	ING, ALLOWING AND FLANGES, A CALE LOSS FOR	AND R 1' AT	2	473	473 Square Fe
	General Com	ments							
Spa	in 2			Beam 8					
Plat	e Girder								
Eler	ment				Total	CS1	CS2	CS3	CS4
Nur 107	nber	Steel On	Element Name		Qty 50	Qty 0	Qty 50	Qty 0	Qty 0 Feet
515		Steel Pro	otective Coating		473	0	473	0	0 Square Feet
		2.00/110				~			
Elemen Numbe	r Defect	Туре		Defect Description	on		CS	CS Qty	Maint Qty
107 Corrosion PROTECTIVE SYSTEM DETERIORATING, ALLOWING 2 50 Feet FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.					Feet				
515       Effectiveness (Steel Protective Coatings)       PROTECTIVE SYSTEM DETERIORATING, ALLOWING       2       473       473       Square Fee         FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.       473									

Spa	n 2			Beam 9						
Plat	e Girder									
Eler Nun 107	nent nber	Steel Ope	Element Name n Girder/Beam		Total Qty 50	CS1 Qty 0	CS2 Qty 50	CS3 Qty 0	CS4 Qty 0	Feet
515	ç	Steel Prot	ective Coating		473	0	473	0	0 9	Square Feet
Elemen	t								Maint	
Numbe	r Defect Ty	уре		Defect Description	1		CS	CS Qty	Qty	
107	Corrosion		PROTECTIVE SYS FRECKLED RUST / CORROSION WITH THE ENDS OF THE	TEM DETERIORATIN ALONG THE WEB AN 1 1/16" PITTING / SCA BEAM.	G, ALLOWING ID FLANGES, A LE LOSS FOR	ND 1' AT	2	50		Feet
515	Effectiveness ( Protective Coa	(Steel itings)	PROTECTIVE SYS FRECKLED RUST / CORROSION WITH THE ENDS OF THE	TEM DETERIORATIN ALONG THE WEB AN I 1/16" PITTING / SCA I BEAM.	G, ALLOWING ID FLANGES, A LE LOSS FOR	AND 1' AT	2	473	473	Square Feet
-	General Comm	ents								
Spa	n 2			Beam 10						
Plat	e Girder									
Eler	nent				Total	CS1	CS2	CS3	CS4	
Nun 107	nber	Steel Ope	n Girder/Beam		Qty 50	Qty 0	Qty 43	Qty 7	Qty 0 I	eet
515	S	Steel Prot	ective Coating		473	0	459	0	14 \$	Square Feet
Elemen	t r Defect Ty	уре		Defect Description	I		CS	CS Qty	Maint	
107	Corrosion		THE FULL WIDTH ( TO 5/8" FOR 3.5' BE BEAM. THE LOWEF 7/16" FOR 1' BEGIN UPPER PORTION ( END DIAPHRAGMS WEB THICKNESSE REQUESTED.	DF THE BOTTOM FL/ EGINNING AT THE NI R 9" OF THE WEB IS INING AT THE NEAR DF THE WEB IS NOT S. ORIGINAL 11/16" F S. A PRIORITY MAIN	ANGE IS REDU EAR END OF T REDUCED TO END OF THE VISIBLE DUE LANGE AND 1 ITENANCE IS	JCED "HE 3/8" - BEAM. TO /2"	3	4	4	Feet
107	Corrosion		THE FULL WIDTH ( TO 5/8" FOR 4' BEC BEAM. THE LOWER 7/16" FOR 1' BEGIN UPPER PORTION ( END DIAPHRAGMS WEB THICKNESSE REQUESTED.	DF THE BOTTOM FLA GINNING AT THE FAR R 9" OF THE WEB IS INING AT THE FAR E DF THE WEB IS NOT S. ORIGINAL 11/16" F S. A PRIORITY MAIN	ANGE IS REDU END OF THE REDUCED TO IND OF THE B VISIBLE DUE LANGE AND 1 ITENANCE IS	JCED 3/8" - EAM. TO /2"	3	3	3	Feet
107	Corrosion		PROTECTIVE SYS FRECKLED RUST <sup>–</sup> THROUGHOUT. TH FLANGE, TOP FAC WITH UP TO 1/16"	TEM DETERIORATIN TO FORM ON THE W IE EXTERIOR HALF ( E, HAS FULL LENGT PITTING.	g, allowing Eb and flan Df the Bott( H corrosioi	GES DM N	2	43		Feet
515	Effectiveness ( Protective Coa	(Steel tings)	PROTECTIVE SYS	TEM FAILED AT BEA TH SECTION LOSS	RINGS, RESUI	TING	4	14	14	Square Feet
515	Effectiveness ( Protective Coa	(Steel tings)	PROTECTIVE SYS <sup>®</sup> FRECKLED RUST.	TEM DETERIORATIN	G ALLOWING		2	459	459	Square Feet
-	General Comm	ents								

ructure Number:	430243						In	spection Date: 04/25/2013
Span 2		E	xpansion Joint					
Standard J	loint							
Element		Element Name		Total	CS1	CS2	CS3	CS4
301	Pourabl	e Joint Seal		0	0	0	0	0 Feet
- lement								Maint
Number De	efect Type		Defect Description			CS	CS Qty	Qty
General	Comments							
NO	T VISIBLE DU	E TO WEARING SURF	ACE					
Span 2		V	learing Surface					
Asphalt W	earing Surf	ace						
Element				Total	CS1	CS2	CS3	CS4
Number 510	Wearing	Surface		3,300	Qty 3,240	Qty 0	Qty 60	Qty 0 Square Feet
lement								Maint
Number De	efect Type		Defect Description			CS	CS Qty	Qty
510 Crack ( Surface	Wearing	1/4" - 1/2" WIDE TRAI EXPANSION JOINTS	NSVERSE CRACKS	AT THE		3	60	60 Square Feet
General	Comments							
Span 2		Ν	ledian Rail					
Concrete F	Railing							
Element				Total	CS1	CS2	CS3	CS4
Number	Deinfor	Element Name	ina	Qty	Qty	Qty	Qty	Qty
331	Reinford	ced Concrete Bridge Rai	ing	50	0	0	50	0 Feet
Element Number De	efect Type		Defect Description			CS	CS Qty	Maint Qtv
331 Crackin	g (RC and	6" - 1' HIGH HAIRLIN	E MAP CRACKS ALC	ONG THE B	ASE OF	3	50	50 Feet
Other) General	Comments	THE RAIL, BOTH FAC	CES.					
Contonal								
Span 2		Ν	ear Bearing					
Fixed Bear	ing		Ŭ					
Element				Total	CS1	CS2	CS3	CS4
Number 313	Fixed B	Element Name		Qty 1	Qty 0	Qty 0	Qty 1	Qty 0 Each
515	Steel Pr	otective Coating		2	0	0	0	2 Square Feet
lement					-	-	-	Maint
Number De	efect Type		Defect Description			CS	CS Qty	Qty
313 Corrosi	on	BEARING DEVICE CO SECTION LOSS TO E PLATES. THE ANCHO LOSS.	ORRODED WITH 1/1 30TH THE MASONR OR NUTS HAVE UP	6" - 1/8" SC Y AND SO TO 75 PER	CALE LE .CENT	3	1	1 Each
515 Effectiv Protecti	eness (Steel ve Coatings)	PROTECTIVE SYSTE WITH SECTION LOS	M FAILED ALLOWIN S.	NG CORRC	SION	4	2	2 Square Feet

Span 2

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	0	1	0	Each
515	Steel Pr	ptective Coating	2	0	0	0	2	Square Feet
Element Number	t Defect Type	Defect Descri	otion		CS	CS Qty	Maint Qty	
311	Corrosion	BEARING DEVICE CORRODED WIT SECTION LOSS TO BOTH THE MAS PLATES. THE ANCHOR NUTS HAV LOSS.	TH 1/16" - 1/8" SC SONRY AND SOL E UP TO 75 PERC	ALE E CENT	3	1	-	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALL WITH SECTION LOSS.	OWING CORROS	SION	4	2		2 Square Feet

General Comments

Span 2	2
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Near Bearing

## Fixed Bearing

Elen Num	nent nber	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	2	0	0	2	0	Square Feet
Elemen Number	t Defect Type	Defect Descriptio	on		CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATII CORROSION WITH FRECKLED RUST CORROSION.	NG, ALLOWING / SURFACE		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATII CORROSION WITH FRECKLED RUST CORROSION.	NG, ALLOWING / SURFACE		3	2		2 Square Feet

General Comments

Spa	n 2	Far Bearir	ng					
Mov	able 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 Pr	otective Coating	2	0	0	2	0 Square	Feet
Elemen Numbei	t r Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIO CORROSION WITH FRECKLED CORROSION.	ORATING, ALLOWING RUST / SURFACE		2	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIO CORROSION WITH FRECKLED CORROSION.	ORATING, ALLOWING RUST / SURFACE		3	2	2 Squai	re Feet

### Span 2 Fixed Bearing

1170	a boarnig							
Elen Num	nent nber	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	otective Coating	2	0	0	2	0 Square Feet	t
Elemen Number	t Defect Type	Defect Description	ı		CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		2	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		3	2	2 Square Fo	eet

General Comments

## Span 2

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 Pr	otective Coating	2	0	0	2	0	Square Feet
Elemen Numbei	t r Defect Type	Defect Descriptio	n		CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	NG, ALLOWING / SURFACE		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	NG, ALLOWING / SURFACE		3	2	:	2 Square Feet

General Comments

Spa	n 2		Near Bearing						
Fixe	ed Bearing								
Eler Nun	nent nber	Element Name	Tot Q	al ty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixe	d Bearing		1	0	1	0	0	Each
515	Stee	el Protective Coating		2	0	0	2	0	Square Feet
Elemen Numbe	t r Defect Type		Defect Description			CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYS CORROSION WITH CORROSION.	TEM DETERIORATING, ALLO I FRECKLED RUST / SURFA	OWING CE		2	1		Each
515	Effectiveness (Ste Protective Coating	el PROTECTIVE SYS <sup>®</sup> (s) CORROSION WITH CORROSION.	TEM DETERIORATING, ALL I FRECKLED RUST / SURFA	OWING CE		3	2	:	2 Square Feet

Far Bearing

## Movable Bearing

Span 2

	-						
Eler Num	nent iber	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	2	0	0	2	0 Square Feet
Element Number	Defect Type	Defect Description	n		CS	CS Qty	Maint Qty
311	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	NG, ALLOWING SURFACE		2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	NG, ALLOWING SURFACE		3	2	2 Square Feet

General Comments

Span	2
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Near Bearing

### **Fixed Bearing**

Elen Num 313	nent hber Fixed Be	Element Name	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
515	Steel Pr	otective Coating	2	0	0	2	0	Square Feet
Elemen Number	t Defect Type	Defect Descriptio	'n		CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATII CORROSION WITH FRECKLED RUST CORROSION.	NG, ALLOWING / SURFACE		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATII CORROSION WITH FRECKLED RUST CORROSION.	NG, ALLOWING / SURFACE		3	2		2 Square Feet

**General Comments** 

#### Span 2 Far Bearing Movable Bearing CS4 Element Total CS1 CS2 CS3 Number Element Name Qty Qty Qty Qty Qty 311 Movable Bearing 0 0 0 Each 1 1 0 515 Steel Protective Coating 2 0 2 0 Square Feet Element Maint Defect Type **Defect Description** CS Qty CS Number Qty PROTECTIVE SYSTEM DETERIORATING, ALLOWING 311 Corrosion 2 1 Each CORROSION WITH FRECKLED RUST / SURFACE CORROSION. 515 Effectiveness (Steel PROTECTIVE SYSTEM DETERIORATING, ALLOWING 3 2 2 Square Feet Protective Coatings) CORROSION WITH FRECKLED RUST / SURFACE CORROSION.

### Span 2 Fixed Bearing

1170	a boarnig							
Elen Num	nent nber	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	otective Coating	2	0	0	2	0 Square Feet	t
Elemen Number	t Defect Type	Defect Description	ı		CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		2	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		3	2	2 Square Fo	eet

General Comments

## Span 2

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 Pr	otective Coating	2	0	0	2	0	Square Feet
Elemen Numbei	t r Defect Type	Defect Descriptio	n		CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	NG, ALLOWING / SURFACE		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	NG, ALLOWING / SURFACE		3	2	:	2 Square Feet

General Comments

Spa	n 2		Near Bearing						
Fixe	ed Bearing								
Eler Nun	nent nber	Element Name	Tot Q	al ty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixe	d Bearing		1	0	1	0	0	Each
515	Stee	el Protective Coating		2	0	0	2	0	Square Feet
Elemen Numbe	t r Defect Type		Defect Description			CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYS CORROSION WITH CORROSION.	TEM DETERIORATING, ALLO I FRECKLED RUST / SURFA	OWING CE		2	1		Each
515	Effectiveness (Ste Protective Coating	el PROTECTIVE SYS <sup>®</sup> (s) CORROSION WITH CORROSION.	TEM DETERIORATING, ALL I FRECKLED RUST / SURFA	OWING CE		3	2	:	2 Square Feet

Far Bearing

## Movable Bearing

Span 2

	-						
Eler Num	nent iber	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	2	0	0	2	0 Square Feet
Element Number	Defect Type	Defect Description	n		CS	CS Qty	Maint Qty
311	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	NG, ALLOWING SURFACE		2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	NG, ALLOWING SURFACE		3	2	2 Square Feet

General Comments

Span	2
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Near Bearing

### **Fixed Bearing**

Elen Num 313	nent hber Fixed Be	Element Name	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
515	Steel Pr	otective Coating	2	0	0	2	0	Square Feet
Elemen Number	t Defect Type	Defect Descriptio	'n		CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATII CORROSION WITH FRECKLED RUST CORROSION.	NG, ALLOWING / SURFACE		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATII CORROSION WITH FRECKLED RUST CORROSION.	NG, ALLOWING / SURFACE		3	2		2 Square Feet

**General Comments** 

#### Span 2 Far Bearing Movable Bearing CS4 Element Total CS1 CS2 CS3 Number Element Name Qty Qty Qty Qty Qty 311 Movable Bearing 0 0 0 Each 1 1 0 515 Steel Protective Coating 2 0 2 0 Square Feet Element Maint Defect Type **Defect Description** CS Qty CS Number Qty PROTECTIVE SYSTEM DETERIORATING, ALLOWING 311 Corrosion 2 1 Each CORROSION WITH FRECKLED RUST / SURFACE CORROSION. 515 Effectiveness (Steel PROTECTIVE SYSTEM DETERIORATING, ALLOWING 3 2 2 Square Feet Protective Coatings) CORROSION WITH FRECKLED RUST / SURFACE CORROSION.

### Span 2 Fixed Bearing

1170	u Deanng							
Elen Num	nent hber	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	ptective Coating	2	0	0	2	0 Square F	Feet
Elemen Number	t Defect Type	Defect Description			CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / S CORROSION.	G, ALLOWING SURFACE		2	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / 3 CORROSION.	G, ALLOWING SURFACE		3	2	2 Squar	e Feet

General Comments

## Span 2

Far Bearing

## Movable Bearing

Elen Num	nent iber	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	2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING CORROSION WITH FRECKLED RUST / S CORROSION.	G, ALLOWING SURFACE		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING CORROSION WITH FRECKLED RUST / S CORROSION.	G, ALLOWING SURFACE		3	2	:	2 Square Feet

0	~ 0	Near Dearin	~				
Spa	11 2	Near Bearin	g				
Fixe	ed Bearing						
Eler Nun 313	nent nber Fixed B	Element Name earing	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 Each
515	Steel Pr	rotective Coating	2	0	0	0	2 Square Feet
Elemen Numbe	t r Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty
313	Corrosion	BEARING DEVICE CORRODED WI SECTION LOSS TO BOTH THE MA PLATES. THE ANCHOR NUTS HAV LOSS.	TH 1/16" - 1/8" SCA SONRY AND SOLE /E UP TO 75 PERC	ALE E ENT	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED AL WITH SECTION LOSS.	LOWING CORROS	ION	4	2	2 Square Feet
-	General Comments						

Structure Number: 430243

Spa	an 2			Far Bearing						
Мо	vable Beari	ng								
Ele Nu	ement mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		Movable	Bearing		1	0	0	1	0 6	ach
515		Steel Pro	otective Coating		2	0	0	0	2 3	Square Feet
Eleme Numbe	nt er Defect	Туре		Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion		BEARING DEVICE ( SECTION LOSS TO PLATES. THE ANCI LOSS.	CORRODED WITH 1/1 BOTH THE MASONR HOR NUTS HAVE UP	6" - 1/8" S0 Y AND SO TO 75 PER	CALE LE CENT	3	1	1	Each
515	Effectiveness Protective Co General Com	s (Steel patings) ments	PROTECTIVE SYST WITH SECTION LO	TEM FAILED ALLOWIN SS.	IG CORRC	SION	4	2	2	Square Feet
Spa	an 3			Expansion Joint						
Sta	ndard Join	t								
Ele	ement				Total	CS1	CS2	CS3	CS4	
301	mber	Pourable	Joint Seal		Qty 0	Qty 0	Qty 0	Qty 0	Qty 0 F	Feet
Flomo	nt								Maint	
Numbe	er Defect	Туре		Defect Description			CS	CS Qty	Qty	
	General Com	ments								
	NOT VIS	BIBLE DUE	TO WEARING SURI	FACE.						
Spa	an 3			Deck						
Rei	nforced Co	ncrete l	Deck							
Ele	ement		Element Name		Total	CS1	CS2	CS3	CS4	
12	mber	Reinforc	ed Concrete Deck		3,857	3,642	200	15	0 5	Square Feet
Eleme	nt Defect	<b>T</b>						00.044	Maint	
Numbe	er Delect	туре					0		Qty	Courses Fast
12	Exposed Ker	bar	7 LONG X 1.5 WID LEFT OVERHANG V REINFORCING STE THE SPAN. THE CL HAS 15' LONG FUL DEEP DELAMINATI REINFORCING STE REQUESTED.	E X 2.5" DEEP DELAW WITH EXPOSED AND EL BEGINNING AT TH JRB, BEGINNING AT T L WIDTH X FULL HEIC ON WITH EXPOSED A EL. A PRIORITY MAIN	TINATION T CORRODI HE NEAR E THE SAME SHT X UP AND CORR NTENANCE	N THE NG END OF AREA TO 3" CODING E IS	3	15	30	Square Feet
12	Efflorescence Staining	e/Rust	HAIRLINE TRANSV	ERSE CRACKS WITH E OF THE DECK.	EFFLORE	SCENCE	2	200		Square Feet
	General Com	ments								
Spa	an 3			Beam 1						
Pla	te Girder									

Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
515	Steel Protective Coating		508	0	494	0	14 Square Fee	t
107	Steel Open Girder/Beam		54	0	51	3	0 Feet	
Element Number	Element Na	me	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Plate G	irder							

Structure	Number: <u>430243</u>			Inspecti	on D	ate: 04/25/2017
107	Corrosion	THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16" - 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	3	3	3	Feet
107	Corrosion	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST TO FORM ON THE WEB AND FLANGES THROUGHOUT. THE EXTERIOR HALF OF THE BOTTOM FLANGE, TOP FACE, HAS FULL LENGTH CORROSION WITH UP TO 1/16" PITTING. SIMILAR PITTING IS ALSO PRESENT ON THE WEB AND BOTTOM FLANGE AT END BENT 2.	2	51		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED AT BEARINGS, RESULTING IN CORROSION WITH SECTION LOSS	4	14	14	Square Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING ALLOWING FRECKLED RUST.	2	494	494	Square Feet
	General Comments					

Spa	n 3	Beam 2						
Plate	e Girder							
Elen Num 107 515	nent hber Steel C Steel F	Element Name Open Girder/Beam Protective Coating	Total Qty 54 508	CS1 Qty 0	CS2 Qty 54 508	CS3 Qty 0 0	CS4 Qty 0 F 0 S	Feet Square Feet
Elemen Number	t Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	·
107	Corrosion	rrosion PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM			2	54	·	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIO FRECKLED RUST ALONG THE V CORROSION WITH 1/16" PITTIN THE ENDS OF THE BEAM.	ORATING, ALLOWING WEB AND FLANGES, G / SCALE LOSS FOI	G AND R 1' AT	2	508	508	Square Feet
(	General Comments							

Spa	n 3	Beam 3						
Plate	e Girder							
Elen Num 107 515	nent nber Steel Op Steel Pro	Element Name ben Girder/Beam btective Coating	Total Qty 54 508	CS1 Qty 0 0	CS2 Qty 54 508	CS3 Qty 0 0	CS4 Qty 0 Fe 0 So	eet quare Feet
Element	t Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIOR FRECKLED RUST ALONG THE WE CORROSION WITH 1/16" PITTING THE ENDS OF THE BEAM.	ATING, ALLOWING EB AND FLANGES, / SCALE LOSS FOI	G AND R 1' AT	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIOR FRECKLED RUST ALONG THE WE CORROSION WITH 1/16" PITTING THE ENDS OF THE BEAM.	ATING, ALLOWING EB AND FLANGES, / SCALE LOSS FOI	G AND R 1' AT	2	508	508	Square Feet
(	General Comments							

Span 3	
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Plate	Girde

Elem Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	54	0	54	0	0 Fe	et
515	Steel Pro	otective Coating	508	0	508	0	0 Sq	uare Feet
Element	Defect Type	Defect Descrip	otion		CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIORA FRECKLED RUST ALONG THE WEE CORROSION WITH 1/16" PITTING / THE ENDS OF THE BEAM.	ATING, ALLOWING B AND FLANGES, J SCALE LOSS FOF	G AND R 1' AT	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORA FRECKLED RUST ALONG THE WEE CORROSION WITH 1/16" PITTING / THE ENDS OF THE BEAM.	ATING, ALLOWING 3 AND FLANGES, 7 SCALE LOSS FOF	G AND R 1' AT	2	508	508	Square Feet

General Comments

Beam 5

Span	3
Plate	Girder

Elem Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	ben Girder/Beam	54	0	54	0	0 F	eet
515	Steel Pr	otective Coating	508	0	508	0	0 5	Square Feet
Element Number	Defect Type	Defect Descripti	on		CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIORAT FRECKLED RUST ALONG THE WEB CORROSION WITH 1/16" PITTING / S THE ENDS OF THE BEAM.	ING, ALLOWING AND FLANGES, CALE LOSS FOI	€ AND R 1' AT	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORAT FRECKLED RUST ALONG THE WEB CORROSION WITH 1/16" PITTING / S THE ENDS OF THE BEAM.	ING, ALLOWING AND FLANGES, CALE LOSS FOI	€ AND R 1' AT	2	508	508	Square Feet

Spar	า 3	Beam 6						
Plate	e Girder							
Elerr Num 107	nent iber Steel Op	Element Name en Girder/Beam	Total Qty 54	CS1 Qty 0	CS2 Qty 54	CS3 Qty 0	CS4 Qty 0	Feet
515	Steel Pro	tective Coating	508	0	508	0	0	Square Feet
Element Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIO FRECKLED RUST ALONG THE V CORROSION WITH 1/16" PITTIN THE ENDS OF THE BEAM.	ORATING, ALLOWING WEB AND FLANGES, IG / SCALE LOSS FOI	€ AND R 1' AT	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, ALLOWING FRECKLED RUST ALONG THE WEB AND FLANGES, AND CORROSION WITH 1/16" PITTING / SCALE LOSS FOR 1' AT THE ENDS OF THE BEAM.			2	508	508	3 Square Feet
C	General Comments							

Span 3

Plat	e Girder							
Elen Num 107	nent nber Stee	Element Name I Open Girder/Beam	Total Qty 54	CS1 Qty 0	CS2 Qty 54	CS3 Qty 0	CS4 Qty 0 F	Feet
515	Stee	Protective Coating	508	0	508	0	0 5	Square Feet
Elemen Numbei	t Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIORAT FRECKLED RUST ALONG THE WEB A CORROSION WITH 1/16" PITTING / SO THE ENDS OF THE BEAM.	ING, ALLOWIN AND FLANGES CALE LOSS FO	g , and Pr 1' at	2	54		Feet
515	Effectiveness (Stee Protective Coatings	<ul> <li>PROTECTIVE SYSTEM DETERIORAT</li> <li>FRECKLED RUST ALONG THE WEB A CORROSION WITH 1/16" PITTING / SO THE ENDS OF THE BEAM.</li> </ul>	ING, ALLOWIN AND FLANGES CALE LOSS FO	g , and rr 1' at	2	508	508	Square Feet

**General Comments** 

Spa	n 3	Beam 8						
Plat	e Girder							
Eler Nun 107	nent nber Steel O	Element Name pen Girder/Beam	Total Qty 54	CS1 Qty 0	CS2 Qty 54	CS3 Qty 0	CS4 Qty 0 F	Feet
515	Steel P	rotective Coating	508	0	508	0	0 5	Square Feet
Elemen Numbe	t r Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIO FRECKLED RUST ALONG THE W CORROSION WITH 1/16" PITTING THE ENDS OF THE BEAM.	RATING, ALLOWING EB AND FLANGES, S / SCALE LOSS FO	G AND R 1' AT	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIO FRECKLED RUST ALONG THE W CORROSION WITH 1/16" PITTING THE ENDS OF THE BEAM.	RATING, ALLOWING EB AND FLANGES, A SCALE LOSS FO	G AND R 1' AT	2	508	508	Square Feet
-	0							

General Comments

Spa	n 3	Beam 9						
Plat	e Girder							
Elen Num 107	nent nber Steel O	Element Name pen Girder/Beam	Total Qty 54	CS1 Qty 0	CS2 Qty 54	CS3 Qty 0	CS4 Qty 0 F	eet
515	Steel P	rotective Coating	508	0	508	0	0 S	quare Feet
Elemen Number	t r Defect Type	Defect Desc	cription		CS	CS Qty	Maint Qty	
107	Corrosion	PROTECTIVE SYSTEM DETERIC FRECKLED RUST ALONG THE W CORROSION WITH 1/16" PITTING THE ENDS OF THE BEAM.	ORATING, ALLOWING VEB AND FLANGES, G / SCALE LOSS FO	€ AND R 1' AT	2	54	-	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIC FRECKLED RUST ALONG THE W CORROSION WITH 1/16" PITTING THE ENDS OF THE BEAM.	ORATING, ALLOWING VEB AND FLANGES, G / SCALE LOSS FO	G AND R 1' AT	2	508	508	Square Feet
	Constal Commenta							

Structure Number: 430243

Beam 10

Span 3 Plate Girder

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Elen Num	nent iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel C	Open Girder/Beam	54	0	51	3	0 F	eet
515	Steel F	Protective Coating	508	0	494	0	14 S	quare Feet
Element Number	t Defect Type	Defect Description			CS	CS Qty	Maint Qty	
107	Corrosion THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16' 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED. Corrosion PROTECTIVE SYSTEM DETERIORATING. ALLOWING				3	3	3	Feet
107	Corrosion	Desion PROTECTIVE SYSTEM DETERIORATING, AL FRECKLED RUST TO FORM ON THE WEB AN THROUGHOUT. THE EXTERIOR HALF OF TH FLANGE, TOP FACE, HAS FULL LENGTH CO WITH UP TO 1/16" PITTING. SIMILAR PITTING PRESENT ON THE WEB AND BOTTOM FLAN BENT 2.			2	51		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED AT BEAR IN CORROSION WITH SECTION LOSS	INGS, RES	ULTING	4	14	14	Square Feet
515	Effectiveness (Steel Protective Coatings)	Effectiveness (Steel PROTECTIVE SYSTEM DETERIORATING Protective Coatings) FRECKLED RUST.			2	494	494	Square Feet
Ī	General Comments							

Spa	n 3	Wearing Su	Irface					
Asp	halt Wearing Surf	ace						
Eler Nun 510	nent nber Wearing	Element Name Surface	Total Qty 3,564	CS1 Qty 3,444	CS2 Qty 0	CS3 Qty 120	CS4 Qty 0 S	quare Feet
Elemen Numbe	t r Defect Type	Defect Desci	ription		CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	1/4" - 1/2" WIDE TRANSVERSE CF EXPANSION JOINTS.	RACKS AT THE		3	120	120	Square Feet
-	General Comments							
Sna	n 2	Modian Pai	I					

Span 3		Median Rail						
Con	crete Railing							
Elen Num 331	nent hber Reinfor	Element Name ced Concrete Bridge Railing	Total Qty 54	CS1 Qty 0	CS2 Qty 0	CS3 Qty 54	CS4 Qty 0 Feet	
Elemen Number	t Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	6" - 1' HIGH HAIRLINE MAP CRACH THE RAIL, BOTH FACES.	(S ALONG THE BA	ASE OF	3	54	54 Feet	
-	General Comments							

Near Bearing

### Span 3 - -

Mc	ova	ble	Be	ari	ng
----	-----	-----	----	-----	----

Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pro	otective Coating	2	0	0	0	2	Square Feet
Elemen Numbe	t Defect Type	Defect Descrip	tion		CS	CS Qty	Maint Qty	
311	Corrosion	BEARING DEVICE CORRODED WIT SECTION LOSS TO BOTH THE MAS PLATES. THE ANCHOR NUTS HAVE LOSS.	H 1/16" - 1/8" SC/ ONRY AND SOLI UP TO 75 PERC	ALE E CENT	3	1		I Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLO WITH SECTION LOSS.	OWING CORROS	SION	4	2	:	2 Square Feet
-	General Comments							

Span 3

Far Bearing

Fixe	d Bearing							
Elen Num	nent iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	2	0	0	0	2	Square Feet
Element Number	t Defect Type	Defect Description	<u>ו</u>		CS	CS Qty	Maint Qty	
313	Corrosion	BEARING DEVICE CORRODED WITH 1. SECTION LOSS TO BOTH THE MASON PLATES. THE ANCHOR NUTS HAVE UF LOSS.	/16" - 1/8" SC RY AND SOL P TO 75 PER(	ALE E CENT	3	1	-	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOW WITH SECTION LOSS.	ING CORRO	SION	4	2		2 Square Feet
(	General Comments							

General Comments

Spa	n 3	Near Beari	ng				
Mov	able Bearing						
Elen Num 311	nent nber Movable	Element Name	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0 Each
515	Steel Pr	otective Coating	2	0	0	2	0 Square Feet
Elemen Number	t Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty
311	Corrosion	PROTECTIVE SYSTEM DETERIC CORROSION WITH FRECKLED F CORROSION.	RATING, ALLOWING RUST / SURFACE		2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIC CORROSION WITH FRECKLED F CORROSION.	RATING, ALLOWING RUST / SURFACE		3	2	2 Square Feet
_	0						

# Span 3

Fixe	d Bearing							
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	ptective Coating	2	0	0	2	0 Square Feet	
Element Number	Defect Type	Defect Description	ſ		CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		2	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		3	2	2 Square Feet	

General Comments

Near Bearing

## Movable Bearing

Elen Num 311	nent hber Movable	Element Name Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
515	Steel Pro	ptective Coating	2	0	0	2	0	Square Feet
Elemen Number	t Defect Type	Defect Description	1		CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	G, ALLOWING SURFACE		2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	G, ALLOWING SURFACE		3	2	:	2 Square Feet

General Comments

Spa	n 3	Far Bearing	g					
Fixe	ed Bearing							
Eler Nun	nent nber	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	2	0	0	2	0	Square Feet
Elemen Numbe	t r Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIC CORROSION WITH FRECKLED F CORROSION.	RATING, ALLOWING RUST / SURFACE		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIC CORROSION WITH FRECKLED F CORROSION.	RATING, ALLOWING RUST / SURFACE		3	2	2	2 Square Feet

Near Bearing

## Movable Bearing

Span 3

	-							
Elerr Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	1	0	0	Each
515	Steel Pro	tective Coating	2	0	0	2	0	Square Feet
Element	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, CORROSION WITH FRECKLED RUST / SU CORROSION.	, ALLOWING JRFACE		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, CORROSION WITH FRECKLED RUST / SU CORROSION.	, ALLOWING JRFACE		3	2	:	2 Square Feet

General Comments

### Span 3

Far Bearing

### **Fixed Bearing**

Elen Num 313	nent nber Fixed Be	Element Name earing	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
515	Steel Pr	otective Coating	2	0	0	2	0	Square Feet
Elemen Number	t Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATI CORROSION WITH FRECKLED RUST CORROSION.	ING, ALLOWING / SURFACE		2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATI CORROSION WITH FRECKLED RUST CORROSION.	ING, ALLOWING / SURFACE		3	2		2 Square Feet

**General Comments** 

#### Span 3 Near Bearing Movable Bearing CS4 Element Total CS1 CS2 CS3 Number **Element Name** Qty Qty Qty Qty Qty 311 Movable Bearing 0 0 0 Each 1 1 0 515 Steel Protective Coating 2 0 2 0 Square Feet Element Maint Defect Type **Defect Description** CS Qty CS Number Qty PROTECTIVE SYSTEM DETERIORATING, ALLOWING 311 Corrosion 2 1 Each CORROSION WITH FRECKLED RUST / SURFACE CORROSION. 515 Effectiveness (Steel PROTECTIVE SYSTEM DETERIORATING, ALLOWING 3 2 2 Square Feet Protective Coatings) CORROSION WITH FRECKLED RUST / SURFACE CORROSION.

# Span 3

Fixe	d Bearing							
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	ptective Coating	2	0	0	2	0 Square Feet	
Element Number	Defect Type	Defect Description	ſ		CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		2	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		3	2	2 Square Feet	

General Comments

Near Bearing

## Movable Bearing

Elen Num 311	nent hber Movable	Element Name Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
515	Steel Pro	ptective Coating	2	0	0	2	0	Square Feet
Elemen Number	t Defect Type	Defect Description	1		CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	G, ALLOWING SURFACE		2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	G, ALLOWING SURFACE		3	2	:	2 Square Feet

General Comments

Spa	n 3	Far Bearing	g					
Fixe	ed Bearing							
Eler Nun	nent nber	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	2	0	0	2	0	Square Feet
Elemen Numbe	t r Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIC CORROSION WITH FRECKLED F CORROSION.	RATING, ALLOWING RUST / SURFACE		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIC CORROSION WITH FRECKLED F CORROSION.	RATING, ALLOWING RUST / SURFACE		3	2	2	2 Square Feet

Near Bearing

## Movable Bearing

Span 3

	-							
Elerr Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	1	0	0	Each
515	Steel Pro	tective Coating	2	0	0	2	0	Square Feet
Element	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATING, CORROSION WITH FRECKLED RUST / SU CORROSION.	, ALLOWING JRFACE		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATING, CORROSION WITH FRECKLED RUST / SU CORROSION.	, ALLOWING JRFACE		3	2	:	2 Square Feet

General Comments

### Span 3

Far Bearing

### **Fixed Bearing**

Elen Num 313	nent nber Fixed Be	Element Name earing	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
515	Steel Pr	otective Coating	2	0	0	2	0	Square Feet
Elemen Number	t Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIORATI CORROSION WITH FRECKLED RUST CORROSION.	ING, ALLOWING / SURFACE		2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATI CORROSION WITH FRECKLED RUST CORROSION.	ING, ALLOWING / SURFACE		3	2		2 Square Feet

**General Comments** 

#### Span 3 Near Bearing Movable Bearing CS4 Element Total CS1 CS2 CS3 Number **Element Name** Qty Qty Qty Qty Qty 311 Movable Bearing 0 0 0 Each 1 1 0 515 Steel Protective Coating 2 0 2 0 Square Feet Element Maint Defect Type **Defect Description** CS Qty CS Number Qty PROTECTIVE SYSTEM DETERIORATING, ALLOWING 311 Corrosion 2 1 Each CORROSION WITH FRECKLED RUST / SURFACE CORROSION. 515 Effectiveness (Steel PROTECTIVE SYSTEM DETERIORATING, ALLOWING 3 2 2 Square Feet Protective Coatings) CORROSION WITH FRECKLED RUST / SURFACE CORROSION.
## Span 3

Fixe	Fixed Bearing										
Element Number		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	ptective Coating	2	0	0	2	0 Square Feet				
Element Number	Defect Type	Defect Description	ſ		CS	CS Qty	Maint Qty				
313	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		2	1	Each				
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		3	2	2 Square Feet				

General Comments

S	pan	3

Near Bearing

## Movable Bearing

Elen Num 311	nent hber Movable	Element Name Bearing	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty 0	Each
515	Steel Pro	ptective Coating	2	0	0	2	0	Square Feet
Elemen Number	t Defect Type	Defect Description	า		CS	CS Qty	Maint Qty	
311	Corrosion	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIORATIN CORROSION WITH FRECKLED RUST / CORROSION.	IG, ALLOWING SURFACE		3	2	2	2 Square Feet

General Comments

Spa	n 3	Far Bearing	g					
Fixe	ed Bearing							
Eler Nun	nent nber	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	2	0	0	2	0	Square Feet
Elemen Numbe	t r Defect Type	Defect Desc	cription		CS	CS Qty	Maint Qty	
313	Corrosion	PROTECTIVE SYSTEM DETERIC CORROSION WITH FRECKLED F CORROSION.	RATING, ALLOWING RUST / SURFACE		2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM DETERIC CORROSION WITH FRECKLED F CORROSION.	RATING, ALLOWING RUST / SURFACE		3	2	2	2 Square Feet

General Comments

Structure Number: 430243

Near Bearing

## Movable Bearing

Span 3

Elen Num	nent iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Protective Coating		2	0	0	0	2	Square Feet
Element Number	Defect Type	Defect Desc	cription		CS	CS Qty	Maint Qty	
311	Corrosion BEARING DEVICE CORRODED WITH 1/16" - 1/8" SCALE SECTION LOSS TO BOTH THE MASONRY AND SOLE PLATES. THE ANCHOR NUTS HAVE UP TO 75 PERCENT LOSS			ALE E CENT	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED A WITH SECTION LOSS.	LLOWING CORROS	SION	4	2	:	2 Square Fee

## Span 3

Far Bearing

## Fixed Bearing

Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Be	earing	1	0	0	1	0 Each
515	Steel Pr	otective Coating	2	0	0	0	2 Square Feet
Elemen Numbe	t r Defect Type	Defect Description	ı		CS	CS Qty	Maint Qty
313	Corrosion	BEARING DEVICE CORRODED WITH 1. SECTION LOSS TO BOTH THE MASON PLATES. THE ANCHOR NUTS HAVE UP LOSS.	/16" - 1/8" SC. RY AND SOL P TO 75 PERC	ALE E CENT	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE SYSTEM FAILED ALLOW WITH SECTION LOSS.	ING CORROS	SION	4	2	2 Square Feet
-	Concerned Community						

General Comments

End Be	nt 1	Steel Pile 1						
Steel Pi	ile							
Element Number 225	Steel Pile	Element Name	Total Qty 1	CS1 Qty 1	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0 Each	
Element Number	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty	
Gene	eral Comments NOT VISIBLE							
Bent 1		Reinforced Co	oncrete Foot	ing 1				
Reinfor	ced Concrete Fo	oting						
Element Number 220	Reinforced (	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Element	Defect Type	Defect Descript	ion	5	CS	CS Qty	Maint Qty	
Gene	eral Comments							

NOT VISIBLE

Structure Number: 430243

Bent 1

### Reinforced Concrete Pier Cap 1

Element Number		Element Name	Total Qtv	CS1 Qtv	CS2 Qtv	CS3 Qtv	CS4 Qtv	
224	Poinforce	d Concrete Pier Con	71	50		12	0 5	oot
234	Reiniorce		71	59	0	12	0 10	eel
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
234 Expo 234 Patc	bsed Rebar	9" HIGH X 4' LONG DELAMINATIONS UP T BOTH THE EAST AND WEST FACES OF T BEGINNING AT THE LEFT END. THESE DI EXTEND UP TO THE EDGE OF THE BEAR BEAM 1 IN BOTH SPANS 1 AND 2. THE EX REINFORCING STEEL IS CORRODING WI SECTION LOSS. THERE ARE MULTIPLE C 1/2" WIDE EXTENDING FROM THE DELAM THE BEARING AREA OF BEAM 2 ON THE MAINTENANCE IS REQUESTED. PATCH ON THE RIGHT END OF THE CAP CRACKS UP TO 1/2" WIDE THROUGHOUT THE END. THE PATCH IS DULL SOUNDIN HAMMER, AND COULD EASILY BE KNOCH FROM THE CAP. LARGE PIECES OF THE ALREADY FALLEN OUT. A PRIORITY MAIN PEOUESTED.	O 3" DEEP HE CAP ELAMINATI ING PLATE (POSED TH SCALE (RACKS UF (INATION U CAP. A PR HAS MULT ALL FACE G TO THE (ED LOOS PATCH HA (VTENANCE	P IN ONS F OF JP TO JP TO IORITY TIPLE F AND E VE IS	3	9	9	Feet

General Comments

Ber	nt 1	Reinforce	Reinforced Concrete Column 1						
Rei	nforced Concrete	Column							
Elei Nur	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty		
205	Reinfor	ced Concrete Column	1	0	1	0	0 Each		
Elemer Numbe	nt Pr Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty		
205	Cracking (RC and Other)	HAIRLINE VERTICAL CRACKS II	N THE WEST FACE.		2	1	1 Each		
	General Comments								

Bent 2

Reinforced Concrete Pier Cap 1

Reinforced Concrete Pier Cap

Eleme Numb	ent oer	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	Reinforced Concrete Pier Cap		62	0	9	0 Feet	
Element Number	Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
234	Exposed Rebar	THE RIGHT END OF THE CAP HAS LONG SPALL UP TO 3" DEEP WITH CORRODING REINFORCING STEE OF THE CAP AND THE END OF TH CRACKS UP TO 1/2" WIDE IN THE AND ALONG THE TOP EDGE OF T FACE EXTENDING UNDERNEATH BEAM 9. A PRIORITY MAINTENAN	A FULL WIDTH X HEXPOSED AND TO THE UNDER IE CAP. MULTIPLE TOP FACE OF TH HE CAP IN THE E BEAM 10, AND UP CE IS REQUESTE	( 3' RSIDE E IE CAP, AST P TO D.	3	9	9 Feet	

**General Comments** 

Structure Numb	oer: <u>430243</u>					Ins	spection Date: 04	4/25/2017
End Ber	nt 2	Steel Pile 1						
Steel Pi	le							
Element Number 225	Steel Pile	Element Name	Total Qty 1	CS1 Qty 1	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0 Each	
Element Number	Defect Type	Defect Description	1		CS	CS Qty	Maint Qty	

General Comments NOT VISIBLE.

## **Elements Verfied**

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2929
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 10	Plate Girder	Steel Open Girder/Beam	41
Span 1	Left Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 1	Right Bridge Rail	Steel Rail	Metal Bridge Railing	41
Span 1	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	41
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2706
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 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	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	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	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	3571
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	50
				-

## **Elements Verfied**

Location	Name	Component	Element Name	Amount
Span 2	Beam 10	Plate Girder	Steel Open Girder/Beam	50
Span 2	Left Bridge Rail	Steel Rail	Metal Bridge Railing	50
Span 2	Right Bridge Rail	Steel Rail	Metal Bridge Railing	50
Span 2	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	3300
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 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	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 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	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	3857
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	54
Span 3	Beam 10	Plate Girder	Steel Open Girder/Beam	54
Span 3	Left Bridge Rail	Steel Rail	Metal Bridge Railing	54
Span 3	Right Bridge Rail	Steel Rail	Metal Bridge Railing	54
Span 3	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	54
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	3564
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
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	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	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
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	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	71
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
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	76
End Bent 1		Reinforced Concrete Abutment	Reinforced Concrete Abutment	68
Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	71
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
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	76
End Bent 2		Reinforced Concrete Abutment	Reinforced Concrete Abutment	68

## **General Inspection Notes**

#### Bent 1

NOT VISIBLE

### Bent 2

NOT VISIBLE.

Span 2

NOT VISIBLE DUE TO WEARING SURFACE

Expansion Joint

Span 3 Expansion Joint

NOT VISIBLE DUE TO WEARING SURFACE.

# National Bridge and NC Inspection Items

Structure Number: 430243

Inspection Date: 04/25/2017

#### National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	5
Item 59: Superstructure	0 - 9 , N	5
Item 60: Substructure	0 - 9 , N	5
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		0	3350
Field Scour Evaluation		N		
Drift	G, F, P, or C		0	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	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	Y
Inspection Time	Hours	6
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

Structure Number: 430243			Inspection Date:	04/25/2017		
	Item	Priority Maintenance Issued	Grade Y	Maint Code	Qty. 0	

Details BEAMS, CAPS, DECK SPALL

Date: 04/25/2017

**Condition Photos** 



Span 3 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16" - 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

**Condition Photos** 



Span 2 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE FAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

#### **Condition Photos**



Bent 2 Cap 1: THE RIGHT END OF THE CAP HAS A FULL WIDTH X 3' LONG SPALL UP TO 3" DEEP WITH EXPOSED AND CORRODING REINFORCING STEEL TO THE UNDERSIDE OF THE CAP AND THE END OF THE CAP. MULTIPLE CRACKS UP TO 1/2" WIDE IN THE TOP FACE OF THE CAP, AND ALONG THE TOP EDGE OF THE CAP IN THE EAST FACE EXTENDING UNDERNEATH BEAM 10, AND UP TO BEAM 9. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

**Condition Photos** 



Bent 2 Cap 1: THE RIGHT END OF THE CAP HAS A FULL WIDTH X 3' LONG SPALL UP TO 3" DEEP WITH EXPOSED AND CORRODING REINFORCING STEEL TO THE UNDERSIDE OF THE CAP AND THE END OF THE CAP. MULTIPLE CRACKS UP TO 1/2" WIDE IN THE TOP FACE OF THE CAP, AND ALONG THE TOP EDGE OF THE CAP IN THE EAST FACE EXTENDING UNDERNEATH BEAM 10, AND UP TO BEAM 9. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

**Condition Photos** 



Span 3 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16" - 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

County: HAYWOOD

Date: 04/25/2017

**Condition Photos** 



Span 2 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE FAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

#### **Condition Photos**



Span 3 Deck: 7' LONG X 1.5' WIDE X 2.5" DEEP DELAMINATION IN THE LEFT OVERHANG WITH EXPOSED AND CORRODING REINFORCING STEEL BEGINNING AT THE NEAR END OF THE SPAN. THE CURB, BEGINNING AT THE SAME AREA HAS 15' LONG FULL WIDTH X FULL HEIGHT X UP TO 3" DEEP DELAMINATION WITH EXPOSED AND CORRODING REINFORCING STEEL. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

**Condition Photos** 



Span 2 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

**Condition Photos** 



Span 1 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 1/2" FOR 4' BEGINNING AT THE FAR END OF THE BEAM, AND 5/8" FOR 1' ADJACENT TO PREVIOUS LOSS. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" FOR 1.5' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

#### **Condition Photos**



Span 1 Beam 1 Near Bearing: BEARING DEVICE CORRODED WITH 1/16" - 1/8" SCALE SECTION LOSS TO BOTH THE MASONRY AND SOLE PLATES. THE ANCHOR NUTS HAVE UP TO 75 PERCENT LOSS.

Date: 04/25/2017

**Condition Photos** 



Bent 1 Cap 1: 9" HIGH X 4' LONG DELAMINATIONS UP TO 3" DEEP IN BOTH THE EAST AND WEST FACES OF THE CAP BEGINNING AT THE LEFT END. THESE DELAMINATIONS EXTEND UP TO THE EDGE OF THE BEARING PLATE OF BEAM 1 IN BOTH SPANS 1 AND 2. THE EXPOSED REINFORCING STEEL IS CORRODING WITH SCALE SECTION LOSS. THERE ARE MULTIPLE CRACKS UP TO 1/2" WIDE EXTENDING FROM THE DELAMINATION UP TO THE BEARING AREA OF BEAM 2 ON THE CAP. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

**Condition Photos** 



Bent 1 Cap 1: 9" HIGH X 4' LONG DELAMINATIONS UP TO 3" DEEP IN BOTH THE EAST AND WEST FACES OF THE CAP BEGINNING AT THE LEFT END. THESE DELAMINATIONS EXTEND UP TO THE EDGE OF THE BEARING PLATE OF BEAM 1 IN BOTH SPANS 1 AND 2. THE EXPOSED REINFORCING STEEL IS CORRODING WITH SCALE SECTION LOSS. THERE ARE MULTIPLE CRACKS UP TO 1/2" WIDE EXTENDING FROM THE DELAMINATION UP TO THE BEARING AREA OF BEAM 2 ON THE CAP. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

#### **Condition Photos**



Bent 1 Cap 1: 9" HIGH X 4' LONG DELAMINATIONS UP TO 3" DEEP IN BOTH THE EAST AND WEST FACES OF THE CAP BEGINNING AT THE LEFT END. THESE DELAMINATIONS EXTEND UP TO THE EDGE OF THE BEARING PLATE OF BEAM 1 IN BOTH SPANS 1 AND 2. THE EXPOSED REINFORCING STEEL IS CORRODING WITH SCALE SECTION LOSS. THERE ARE MULTIPLE CRACKS UP TO 1/2" WIDE EXTENDING FROM THE DELAMINATION UP TO THE BEARING AREA OF BEAM 2 ON THE CAP. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

**Condition Photos** 



Span 1 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 1/8" - 3/16" FOR 2'-6" BEGINNING AT THE FAR END OF THE BEAM, AND 5/16" - 3/8" FOR 1.5' ADJACENT TO PREVIOUS AREA. THE LOWER 9" OF THE WEB IS REDUCED TO 1/16" - 1/8" FOR 12" BEGINNING AT THE FAR END WITH A 3" WIDE X 1/2" HIGH COMPLETE LOSS BEGINNING 4" FROM THE FAR END OF THE BEAM AT 8" UP FROM THE BASE OF THE WEB. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

#### **Condition Photos**



Span 1 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 1/8" - 3/16" FOR 2'-6" BEGINNING AT THE FAR END OF THE BEAM, AND 5/16" - 3/8" FOR 1.5' ADJACENT TO PREVIOUS AREA. THE LOWER 9" OF THE WEB IS REDUCED TO 1/16" - 1/8" FOR 12" BEGINNING AT THE FAR END WITH A 3" WIDE X 1/2" HIGH COMPLETE LOSS BEGINNING 4" FROM THE FAR END OF THE BEAM AT 8" UP FROM THE BASE OF THE WEB. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

#### **Condition Photos**



Span 2 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3.5' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

**Condition Photos** 



Bent 1 Cap 1: PATCH ON THE RIGHT END OF THE CAP HAS MULTIPLE CRACKS UP TO 1/2" WIDE THROUGHOUT ALL FACES AND THE END. THE PATCH IS DULL SOUNDING TO THE HAMMER, AND COULD EASILY BE KNOCKED LOOSE FROM THE CAP. LARGE PIECES OF THE PATCH HAVE ALREADY FALLEN OUT. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

**Condition Photos** 



Bent 1 Cap 1: PATCH ON THE RIGHT END OF THE CAP HAS MULTIPLE CRACKS UP TO 1/2" WIDE THROUGHOUT ALL FACES AND THE END. THE PATCH IS DULL SOUNDING TO THE HAMMER, AND COULD EASILY BE KNOCKED LOOSE FROM THE CAP. LARGE PIECES OF THE PATCH HAVE ALREADY FALLEN OUT. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

**Condition Photos** 



Span 1 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 9/16" - 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 16" OF THE WEB IS REDUCED TO 1/4" - 5/16" FOR 2' BEGINNING AT THE NEAR END OF THE BEAM. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

Date: 04/25/2017

#### **Condition Photos**



Span 1 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 6" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

County: HAYWOOD

Date: 04/25/2017

**Condition Photos** 



Span 1 Wearing Surface: 1/4" - 1/2" WIDE TRANSVERSE CRACKS AT THE EXPANSION JOINTS.



Span 1 Median Rail: 6" - 1' HIGH HAIRLINE MAP CRACKS ALONG THE BASE OF THE RAIL, BOTH FACES.

County: HAYWOOD

Date: 04/25/2017

#### **Condition Photos**



Span 3 Deck: 7' LONG X 1.5' WIDE X 2.5" DEEP DELAMINATION IN THE LEFT OVERHANG WITH EXPOSED AND CORRODING REINFORCING STEEL BEGINNING AT THE NEAR END OF THE SPAN. THE CURB, BEGINNING AT THE SAME AREA HAS 15' LONG FULL WIDTH X FULL HEIGHT X UP TO 3" DEEP DELAMINATION WITH EXPOSED AND CORRODING REINFORCING STEEL. A PRIORITY MAINTENANCE IS REQUESTED.

County: HAYWOOD

Date: 04/25/2017

Structure Photos



SOUTH PROFILE



NORTH PROFILE



END BENT 1



County: HAYWOOD

Date: 04/25/2017

Structure Photos



BENT 2



END BENT 2

Date: 04/25/2017

Structure Photos



DECK UNDERSIDE



INSPECTION LADDER
Structure: 430243

County: HAYWOOD

Date: 04/25/2017

Structure Photos



WEST APPROACH LOOKING EAST



RETROFIT RAIL BASE

Structure: 430243

County: HAYWOOD

Date: 04/25/2017

Structure Photos



STRUCTURE INFORMATION PLATE AT THE SOUTH WEST AND NORTH EAST CORNERS



LOOKING SOUTH FROM TOP OF STRUCTURE

County: HAYWOOD

Date: 04/25/2017

Structure Photos



**GUARDRAIL LOOKING EAST** 



GUARDRAIL LOOKING WEST

Structure Photos



LOOKING NORTH FROM TOP OF STRUCTURE



RETROFIT RAIL IS CONTINUOUS WITH APPROACH RAIL

County: HAYWOOD

Date: 04/25/2017

Structure Photos



EAST APPROACH LOOKING WEST



GUARD RAIL END AT THE NORTH EAST AND SOUTH WEST CORNERS OF THE BRIDGE.

Structure: 430243

County: HAYWOOD

Date: 04/25/2017

Structure Photos



GUARD RAIL END AT THE SOUTH EAST CORNER OF THE BRIDGE.

NATIONAL BRIDGE INVENTORY------ STRUCTURE INVENTORY AND APPRAISAL Run Date: 10/27/2017

IDENTIFICATION	
(1) STATE NAME -NORTH CAROLINA BRIDGE	430243
(8) STRUCTURE NUMBER(FEDERAL) 000	000000870243
(5) INVENTORY ROUTE (ON/UNDER) - ON	11000400
(2) STATE HIGHWAY DEPARTMENT DISTRICT	2
(3) COUNTY CODE 87 (4) PLACE CODE	10240
(6) FEATURE INTERSECTED - NC215	
(7) FACILITY CARRIED I-40	
(9) LOCATION 3.8 MI.E.JCT.SR1660	
(11)MILEPOINT	31.1
(16)LAT 35° 33' 21.87" (17)LONG 82° 51' 4.	.55"
(98)BORDER BRIDGE STATE CODE PCT SHA	ARE
(99)BORDER BRIDGE STRUCTURE NO	
TVPE - Stringer Mullibeam or Girder	CODE 302
	CODE 002
	CODE 000
	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
AGE AND SERVICE	
(27) YEAR BUILT	1961
(106)YEAR RECONSTRUCTED	1988
(42) TYPE OF SERVICE : ON - Overpass - Interchange	
UNDER - Highway	CODE 61
(28) LANES: ON STRUCTURE 4 UNDER STRUCTURE	3
(29) AVERAGE DAILY TRAFFIC	51000
(30) YEAR OF ADT 2015 (109) TRUCK ADT PCT	16%
(19) BYPASS OR DETOUR LENGTH	0 MI
GEOMETRIC DATA	
(48) LENGTH OF MAXIMUM SPAN	56 FT
(49) STRUCTURE LENGTH	145 FT
(50)CURB OR SIDEWALK: LEFT 0 FT RIGHT	0 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB	68 FT
(52) DECK WIDTH OUT TO OUT	71.417 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)	83 FT
(33) BRIDGE MEDIAN - No Median	CODE 3
(34) SKEW 15° (35) STRUCTURE FLARED	0
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9 FT
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	33 FT
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9 FT
(54) MIN VERT UNDERCI FAR REF Highway	15 167 FT
(55) MIN LAT UNDERCI FAR RT REF. Highway	2.5 FT
(56) MIN LAT UNDERCIEAR LT REF -	0.FT
	011
NAVIGATION DATA	
(38) NAVIGATION CONTROL - Not Applicable	CODE N
(111)PIER PROTECTION -	CODE
(39) NAVIGATION VERTICAL CLEARANCE	0
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR	FT
(40) NAVIGATION HORIZONTAL CLEARANCE	0 FT

SUFFICIENCY RATING = STATUS = Functionally Obsolete

CLASSIFICATION -	CODE
(112)NBIS BRIDGE SYSTEM -	YES
(104)HIGHWAY SYSTEM Is on the NHS	1
(26) FUNCTIONAL CLASS - Arterial - Interstate	11
(100)STRAHNET HIGHWAY - Interstate STRAHNET R	oute 1
(101)PARALLEL STRUCTURE - No Parallel Structure	N
	N
(102)DIRECTION OF TRAFFIC - 2-way Traffic	2
(103)TEMPORARY STRUCTURE -	
(110) DESIGNATED NATIONAL NETWORK - On the National Strength - On the Natio	tional Network 1
(20) TOLL On Free Road	3
(31) MAINTAIN - State Highway Agency	01
(22) OWNER - State Highway Agency	01
(37) HISTORICAL SIGNIFICANCE - Not Eligible	5
	Ũ
	CODE -
(58) DECK	5
(59) SUPERSTRUCTURE	5
(60) SUBSTRUCTURE	5
(61) CHANNEL & CHANNEL PROTECTION	Ν
(62) CULVERTS	Ν
	NG CODE .
(31) DESIGN LOAD HS 20 + MOD	6
(63) OPERATING RATING METHOD - Load Factor	1
(64) OPERATING RATING - HS-38	68
(65) INVENTORY RATING METHOD - Load Factor	1
(66) INVENTORY RATING - HS-23	41
(70) BRIDGE POSTING - No Posting Required	5
	0
	A
	5
	0
	0
(69) UNDERCLEARANCES, VERTL& HORIZ	3
(71) WATERWAY ADEQUACY	N
(72) APPROACH ROADWAY ALIGNMENT	8
(36) TRAFFIC SAFETY FEATURES	1111
(113)SCOUR CRITICAL BRIDGES	Ν
	0005
	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 102000 (115) YEAR F	FUTURE ADT 2025
INSPECTIONS	
(90) INSPECTION DATE	04/25/2017
(92) CRITICAL FEATURE INSPECTION :	(93) CFI DATE
A) FRACTURE CRIT DETAIL - NO	A)
B) UNDERWATER INSP - NO	B)
	-,
	0)
SCOUR	

77

Stru	icture No: 430243		(	County:	HA	AYWOOD							F	Run Date	:
			ertical		×			uc			Traffic	ance		See Note 1	1
Span Number	Feature Intersected	Inventory Route	Minimum Maximum Ve Clearance	Milepoint	Base Highway Networ	LRS Inventory Route	Toll	Functional Classification	Numer of Lanes	Average Daily Traffic	Year of Average Daily	Total Horizontal Clear	Reference Feature	Minimum Vertical Underclearance Richt Lateral	ואטייי במיכובי

11

12

0

6

NC 215

2

5

31002150

10

16.29

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.

20 26 28

16 3

29

11000 2014

30

47

42.3 H

54A

54

15.17

13

Highway System of Route

100 102 104

1

Underclearance Appraisal Grade STRAHNET Highway Designator Direction of Traffic

0 2

Left Lateral Underclearance

56

69

9

Right Lateral Underclearance

55

2.5

#### BRIDGE MANAGEMENT UNIT

			DATA OI	N EXISTING	STRUCTUR	RE	Run Da	te: 10/27/2	2017		
COUNTY : HAYWOOD		DIVISIOI 14	N: DIS	STRICT: 2	STRUCTUR	RE NUMB 430243	BER :	l	ENGT	H∶ 145	FEET
ROUTE CARRIED :	-40		I	FEATURE INTI	ERSECTED :	NC21	5				
LOCATED : 3.8 MI.E.JC	CT.SR1660		BR	IDGE NAME :			CIT	Y : CANTO	ON		
FUNC. CLASS :	SYST.ON :	SYS	T.UNDER :		ADT & YR :			RAIL	TYPE :		
11	FA			NFA	5100	00 201	15	LT	333	RT 33	33
BUILT : 1961	BY : SHC	PF	ROJ : 8.19	430	FED.AID	PROJ : I-40-1(7	7)29	DESIGN L	OAD : I	HS 20 + N	NOD
REHAB : E 1988	BY : DOH	PROJ : 8.1	194205	ALIGNMENT	: S TAN	KEW : 105	LA 5	NES: ON 4	4 l	UNDER	3
NAVIGATION : VC 0	FT	HC 0	FT	HT. CRN. T	O BED : 0	F	W T	ATER DEP	'TH : 0		FT
SUPERSTRUCTURE :	REINFORC	ED CONCI	RETE FLOC	R ON I-BEAMS	6						
SUBSTRUCTURE :	E.BTS:RC	CAPS/H-PI	LES;INT.BT	S:RCP&B/PILE	FOOTINGS						
SPANS :	1 @ 41',1 @	0 50',1 @ 5	4'								
BEAMS OR GIRDERS	10 LIN	IES 33 I-BE	AMS @ VA	R.CENTERS							
FLOOR : 8.75 RC/1	AWS	ENCRO	ACHMENT :		D	ECK (OU	IT TO OUT)	: 71.417 F	-T		
CLEAR ROADWAY :		BETWEEI	N RAILS :		:	SIDEWAL	K OR CUR	B :			
68	FΤ			68 FT			LT	0 FT		RT	0 FT
VERT.CL.OVER : 999.9 FT											
INV.RTG. : HS-23	OPE.RTG. : H	IS-38	CONTR.ME	MBER : Int.bmsS	POS pA SV	STED :	TTST	I	DATE		
SYSTEM : Primary Interstate							GREEN LII	NE ROUTE	: Y		
UNDER ROUTES AND	CLEARANCES										

		Vertical Cl	earances	Horizo	ntal Clear	ances
Span	Route Description	MMVC	MVC	Total	Left	Right
2	NC 215	16.2910	15.1670	42.30	0	2.50

Note: All measurements are in feet.

Bridge: 430243

County HAYWOOD

Date: 04/25/2017

	These Repairs	Should Be Mac	le Within Twelve	Months From Date Of This Inspection	
MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
<b>%</b> 3314	Maintain Steel Superstructure Components	LF	5	Span 1 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 1/2" FOR 4' BEGINNING AT THE FAR END OF THE BEAM, AND 5/8" FOR 1' ADJACENT TO PREVIOUS LOSS. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" FOR 1.5' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	
₹ 3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 6" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	
<b>∛</b> 3314	Maintain Steel Superstructure Components	LF	4	Span 1 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 1/8" - 3/16" FOR 2'-6" BEGINNING AT THE FAR END OF THE BEAM, AND 5/16" - 3/8" FOR 1.5' ADJACENT TO PREVIOUS AREA. THE LOWER 9" OF THE WEB IS REDUCED TO 1/16" - 1/8" FOR 12" BEGINNING AT THE FAR END WITH A 3" WIDE X 1/2" HIGH COMPLETE LOSS BEGINNING 4" FROM THE FAR END OF THE BEAM AT 8" UP FROM THE BASE OF THE WEB. A PRIORITY MAINTENANCE IS REQUESTED.	
<b>v</b> 3314	Maintain Steel Superstructure Components	LF	4	Span 1 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 9/16" - 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 16" OF THE WEB IS REDUCED TO 1/4" - 5/16" FOR 2' BEGINNING AT THE NEAR END OF THE BEAM. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	

Bridge: 430243

County HAYWOOD

Date: 04/25/2017

	These Repairs Should Be Made Within Twelve Months From Date Of This Inspection   MMS Description of Unit Quantity Remarks Est.										
MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost						
3314	Maintain Steel Superstructure Components	LF	4	Span 2 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE FAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.							
<b>N</b> 3314	Maintain Steel Superstructure Components	LF	4	Span 2 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.							
3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE FAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.							



Bridge: 430243

County HAYWOOD

Date: 04/25/2017

	These Repairs	Should Be Mad	le Within Twelve	Months From Date Of This Inspection	
MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	4	Span 2 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3.5' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	
₹ 3314	Maintain Steel Superstructure Components	LF	3	Span 3 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16" - 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	
3326	Maintain Concrete Deck	SF	30	Span 3 Deck: 7' LONG X 1.5' WIDE X 2.5" DEEP DELAMINATION IN THE LEFT OVERHANG WITH EXPOSED AND CORRODING REINFORCING STEEL BEGINNING AT THE NEAR END OF THE SPAN. THE CURB, BEGINNING AT THE SAME AREA HAS 15' LONG FULL WIDTH X FULL HEIGHT X UP TO 3" DEEP DELAMINATION WITH EXPOSED AND CORRODING REINFORCING STEEL. A PRIORITY MAINTENANCE IS REQUESTED.	



Bridge: 430243

County HAYWOOD

Date: 04/25/2017

	These Repairs	Should Be Mad	le Within Twelve	Months From Date Of This Inspection	
MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3348	Maintain Concrete Substructure Components	LF	9	Bent 1 Cap 1: 9" HIGH X 4' LONG DELAMINATIONS UP TO 3" DEEP IN BOTH THE EAST AND WEST FACES OF THE CAP BEGINNING AT THE LEFT END. THESE DELAMINATIONS EXTEND UP TO THE EDGE OF THE BEARING PLATE OF BEAM 1 IN BOTH SPANS 1 AND 2. THE EXPOSED REINFORCING STEEL IS CORRODING WITH SCALE SECTION LOSS. THERE ARE MULTIPLE CRACKS UP TO 1/2" WIDE EXTENDING FROM THE DELAMINATION UP TO THE BEARING AREA OF BEAM 2 ON THE CAP. A PRIORITY MAINTENANCE IS REQUESTED.	
3348	Maintain Concrete Substructure Components	LF	9	Bent 2 Cap 1: THE RIGHT END OF THE CAP HAS A FULL WIDTH X 3' LONG SPALL UP TO 3" DEEP WITH EXPOSED AND CORRODING REINFORCING STEEL TO THE UNDERSIDE OF THE CAP AND THE END OF THE CAP. MULTIPLE CRACKS UP TO 1/2" WIDE IN THE TOP FACE OF THE CAP, AND ALONG THE TOP EDGE OF THE CAP IN THE EAST FACE EXTENDING UNDERNEATH BEAM 10, AND UP TO BEAM 9. A PRIORITY MAINTENANCE IS REQUESTED.	
3314	Maintain Steel Superstructure Components	LF	3	Span 3 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16" - 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.	



Bridge: 430243

County HAYWOOD

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

MMS Code	MN	AS Descrip	otion	Quantity			
3314	Mai	ntain Stee	Superstructure Components	5	LF		
Location:							
			Bent/Span No.				
Priority Level Status			Status				
Priority Mair	ntenan	ice	Division Bridge Maintenance Notification				
Submitted D	Date:	Submitte	d By:	Assisted By:			
04/25/2017		JOSEPI	HUNTSINGER				
Details							
Span 1 Bear FAR END O	m 1: T )F THE	HE FULL	WIDTH OF THE BOTTOM FLANG	E IS REDUCED TO 1/2" FOR 4' BEO REVIOUS LOSS. THE LOWER 9" OI	JINNING AT F THE WEB	THE	

FAR END OF THE BEAM, AND 5/8" FOR 1' ADJACENT TO PREVIOUS LOSS. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" FOR 1.5' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

MMS Code	M	VS Descrip	S Description					
3314	Mai	ntain Stee	in Steel Superstructure Components					
Location:	•							
Bent/Span No.								
Priority Level			Status					
Priority Mair	ntenar	ice	Division Bridge Maintenance Notification					
Submitted D	Date:	Submitte	d By:	Assisted By:				
04/25/2017	JOSEPH HUNTSINGER							
Details								
Span 1 Bea	Span 1 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE							

THE NEAR END OF THE BEAM. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

Bridge: 430243

County HAYWOOD

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

MMS Code	MN	IS Descrip	S Description				
3314	Mai	ntain Stee	I Superstructure Components	4	LF		
Location:							
			Bent/Span No.				
Priority Level Status			Status				
Priority Maintenance		ice	Division Bridge Maintenance Notification				
Submitted D	Date:	Submitte	d By:	Assisted By:			
04/25/2017		JOSEPI	HUNTSINGER				
Details							
Span 1 Bear BEGINNING	m 10: 3 AT T	THE FULL HE FAR E	WIDTH OF THE BOTTOM FLANG	GE IS REDUCED TO 1/8" - 3/16" FO /8" FOR 1.5' ADJACENT TO PREVIO	R 2'-6" OUS AREA.		

BEGINNING AT THE FAR END OF THE BEAM, AND 5/16" - 3/8" FOR 1.5' ADJACENT TO PREVIOUS AREA. THE LOWER 9" OF THE WEB IS REDUCED TO 1/16" - 1/8" FOR 12" BEGINNING AT THE FAR END WITH A 3" WIDE X 1/2" HIGH COMPLETE LOSS BEGINNING 4" FROM THE FAR END OF THE BEAM AT 8" UP FROM THE BASE OF THE WEB. A PRIORITY MAINTENANCE IS REQUESTED.

MMS Code	M	/IS Descrip	Quantity			
3314	Mai	ntain Stee	4	LF		
Location:						
Bent/Span No.						
Priority Level Status						
Priority Mair	ntenan	ice	Division Bridge Maintenance Noti	fication		
Submitted D	ate:	Submitte	d By:	Assisted By:		
04/25/2017	04/25/2017 JOSEPH HUNTSINGER					
Details						
Span 1 Bear	Span 1 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 9/16" - 5/8" FOR 4' BEGINNING					

Span 1 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 9/16" - 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 16" OF THE WEB IS REDUCED TO 1/4" - 5/16" FOR 2' BEGINNING AT THE NEAR END OF THE BEAM. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

Bridge: 430243

County HAYWOOD

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

MMS Code	MN	∕IS Descrip	escription			
3314	Mai	ntain Stee	Superstructure Components 4 LF			
Location:						
	Bent/Span No.					
Priority Level Status						
Priority Mair	ntenan	ice	Division Bridge Maintenance Noti	fication		
Submitted D	Date:	Submitte	d By:	Assisted By:		
04/25/2017		JOSEPI	HUNTSINGER			
Details	Details					
Span 2 Bea FAR END O FAR END C	Span 2 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE FAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS.					

ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

MMS Code	MN	MMS Description				
3314	Mai	Maintain Steel Superstructure Components				
Location:	Location:					
	Bent/Span No.					
Priority Leve	el		Status			
Priority Mair	ntenan	се	Division Bridge Maintenance Noti	fication		
Submitted D	ate:	Submitte	d By:	Assisted By:		
04/25/2017	04/25/2017 JOSEPH HUNTSINGER					
Details						

Span 2 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

Bridge: 430243

County HAYWOOD

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

MMS Code	MN	MMS Description				
3314	Mai	ntain Stee	Superstructure Components	3	LF	
Location:						
			Bent/Span No.			
Priority Level Status						
Priority Main	ntenan	ice	Division Bridge Maintenance Noti	fication		
Submitted D	ate:	Submitte	d By:	Assisted By:		
04/25/2017		JOSEPI	H HUNTSINGER			
Details						
Span 2 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 4' BEGINNING AT THE FAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING AT THE FAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS						

ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

MMS Code	MN	IMS Description				
3314	Mai	intain Steel Superstructure Components				LF
Location:	Location:					
	Bent/Span No.					
Priority Level			Status			
Priority Main	itenan	ice	Division Bridge Maintenance Notification			
Submitted D	ate:	Submitte	d By:	Assisted By:		
04/25/2017		JOSEPI	H HUNTSINGER			
Details	Details					
Span 2 Bear THE NEAR	Span 2 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3.5' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 3/8" - 7/16" FOR 1' BEGINNING					

AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

Bridge: 430243

REQUESTED.

County HAYWOOD

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

MMS Code	MN	MMS Description			Quantity		
3314	Mai	ntain Stee	Superstructure Components		3	LF	
Location:							
			Bent/Span No.				
Priority Leve	əl		Status				
Priority Mair	ntenan	се	Division Bridge Maintenance Noti	fication			
Submitted D	Date:	Submitte	d By:	Assisted By:			
04/25/2017		JOSEPI	HUNTSINGER				
Details	Details						
Span 3 Beam 10: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16" - 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS							

MMS Code Quantity MMS Description 3326 Maintain Concrete Deck 30 SF Location: Bent/Span No. **Priority Level** Status **Priority Maintenance Division Bridge Maintenance Notification** Submitted Date: Submitted By: Assisted By: 04/25/2017 JOSEPH HUNTSINGER Details Span 3 Deck: 7' LONG X 1.5' WIDE X 2.5" DEEP DELAMINATION IN THE LEFT OVERHANG WITH EXPOSED AND CORRODING REINFORCING STEEL BEGINNING AT THE NEAR END OF THE SPAN. THE CURB,

AND CORRODING REINFORCING STEEL BEGINNING AT THE NEAR END OF THE SPAN. THE CURB, BEGINNING AT THE SAME AREA HAS 15' LONG FULL WIDTH X FULL HEIGHT X UP TO 3" DEEP DELAMINATION WITH EXPOSED AND CORRODING REINFORCING STEEL. A PRIORITY MAINTENANCE IS REQUESTED.

Bridge: 430243

County HAYWOOD

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

MMS Code	MN	AS Descrip	Quantity			
3348	Mai	ntain Conc	crete Substructure Components		9	LF
Location:						
			Bent/Span No.			
Priority Leve	el 🔤		Status			
Priority Mair	ntenan	ice	Division Bridge Maintenance Notification			
Submitted D	ate:	Submitte	d By:	Assisted By:		
04/25/2017		JOSEPH	H HUNTSINGER			
Details						
Bent 1 Cap THE CAP B BEARING P WITH SCAL DELAMINA <sup>-</sup> REQUESTE	Bent 1 Cap 1: 9" HIGH X 4' LONG DELAMINATIONS UP TO 3" DEEP IN BOTH THE EAST AND WEST FACES OF THE CAP BEGINNING AT THE LEFT END. THESE DELAMINATIONS EXTEND UP TO THE EDGE OF THE BEARING PLATE OF BEAM 1 IN BOTH SPANS 1 AND 2. THE EXPOSED REINFORCING STEEL IS CORRODING WITH SCALE SECTION LOSS. THERE ARE MULTIPLE CRACKS UP TO 1/2" WIDE EXTENDING FROM THE DELAMINATION UP TO THE BEARING AREA OF BEAM 2 ON THE CAP. A PRIORITY MAINTENANCE IS REQUESTED.					

Bridge: 430243

County HAYWOOD

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

MMS Code	MN	MMS Description				
3348	Maiı	ntain Cond	crete Substructure Components		9	LF
Location:						
			Bent/Span No.			
Priority Leve	el		Status			
Priority Mair	ntenan	се	Division Bridge Maintenance Noti	fication		
Submitted D	Date:	Submitte	d By:	Assisted By:		
04/25/2017		JOSEPI	H HUNTSINGER			
Details						
Bent 2 Cap 1: THE RIGHT END OF THE CAP HAS A FULL WIDTH X 3' LONG SPALL UP TO 3" DEEP WITH EXPOSED AND CORRODING REINFORCING STEEL TO THE UNDERSIDE OF THE CAP AND THE END OF THE CAP. MULTIPLE CRACKS UP TO 1/2" WIDE IN THE TOP FACE OF THE CAP, AND ALONG THE TOP EDGE OF THE CAP IN THE FAST FACE EXTENDING UNDERNEATH BEAM 10, AND UP TO BEAM 9, A PRIORITY						

MAINTENANCE IS REQUESTED.

MMS Code	MN	MMS Description				
3314	Maiı	Maintain Steel Superstructure Components				
Location:	Location:					
	Bent/Span No.					
Priority Level Status			Status			
Recommend	led		Routine Maintenance			
Submitted Da	ate:	Submitte	d By:	Assisted By:		
04/25/2017 JOSEPH HUNTSINGER						
Details	Details					

Span 3 Beam 1: THE FULL WIDTH OF THE BOTTOM FLANGE IS REDUCED TO 5/8" FOR 3' BEGINNING AT THE NEAR END OF THE BEAM. THE LOWER 9" OF THE WEB IS REDUCED TO 7/16" - 3/8" FOR 12" BEGINNING AT THE NEAR END OF THE BEAM. UPPER PORTION OF THE WEB IS NOT VISIBLE DUE TO END DIAPHRAGMS. ORIGINAL 11/16" FLANGE AND 1/2" WEB THICKNESSES. A PRIORITY MAINTENANCE IS REQUESTED.

## Structure Data Worksheet



Span No	Span Length	Bearing to Bearing	Comments
0	0	0	0
1	41'- 0"	39' 0"	
2	50'- 0"	48' 1"	
3	54'- 0"	56' 0"	NBIS = 149' 0"





# **Bridge Inspection Field Sketch**

#### EAST APPROACH HAS GUARDRAIL AT BOTH CORNERS

	Le	ft Lanes	
Roadway	24ft Wide	2 Paved Lanes	West Bound
Right Shoulder	6.5ft Wide	6.5ft Paved	
Left Shoulder	6ft Wide	6ft Paved	
Right Guardrail			
Left Guardrail	6ft from road		
Median	2ft Wide	2.8ft High	
	Ri	ght Lanes	
Roadway	24ft Wide	2 Paved Lanes	East Bound
Left Shoulder	5.9ft Wide	5.9ft Paved	
Right Shoulder	2.2ft Wide	2.2ft Paved	
Left Guardrail	5.9ft from road		
Right Guardrail	2.2ft from road		

4-25-2017 BY DELVIN ADAMS					
Title		Description			
Approach Roadway	Approach Roadway Data Worksheet				
Bridge No: 430243	Drawn By: DH/RS		Date:07/27/2005	File Name:S0106000213	
			1		

Bridge Inspection Field Sketch											
Cap In	formation		Material	Cast-in-l	Place Concre	ete					
Length Width		Height	Left Overhang		Right Overhang Left I		Beam to End of Cap. Rig		Right Beam to Er	ht Beam to End of Cap.	
70.000	ft. 3.000 ft.	3.000 ft.	4.500	oft.	4.500 ft.	1.8	333 ft.		1.833 ft.		
Length Width He		Height	Left Overhang		Right Overh	Overhang Left Pile to Splice.		ce.			
Sill Info Lengt	ormation h Width	Height	Material								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replaceme	nt? Removed?	Collar?	
1	Concrete	20.333 ft.	2.5 ft.	3 ft.		Vertical	No	No	No	No	
2	Concrete	20.333 ft.	2.5 ft.	3 ft.		Vertical	No	No	No	No	
3	Concrete	20.333 ft.	2.5 ft.	3 ft.		Vertical	No	No	No	No	
4	Concrete		2.5 ft.	3 ft.		Vertical	No	No	No	No	
Bent/A	butment #:	1	Similar I	Bents:	2						
tle VERIFIED 4-25-2017 BY DELVIN ADAMS TERIOR BENTS						Description SUBSTRUCTURE DETAILS					
dge No: 430243 Drawn By: JOE C. HUNTSINGER						Date: 4/17/2013 File Name: S0106001607					

