ATTENTION: PRIORITY MAINT (CAP AND GR); DATA AND SKETCHES REVISED;

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: HAYWOOD	STRUCTURE NUMBER: 430	0095 F	REQUENCY:	24 MONTHS	
FACILITY CARRIED: US74			MILE POST:		
LOCATION: .3 MI.N.JCT.US19,23,74					
FEATURE INTERSECTED: SOUTHER	N RAILROAD				
LATITUDE : 35° 31′ 58.19″	LONGITUD	E: 82° 55' 18.96"			
SUPERSTRUCTURE: REINFORCE	CONCRETE FLOOR ON	I-BEAMS			
SUBSTRUCTURE: E.BTS:RC CAPS/H	H-PILES;INT.BTS:RC POS	T&BEAM			
1 @ 54'; 1 @ 35'; 1 @ 42'-6 SPANS: 1 @ 54'; 1 @ 35'; 1 @ 42'-6					
FRACTURE CRITICAL TE	MPORARY SHORING	SCOUR CRITICAL	SCOUR	PLAN OF ACTION	
PRESENT CONDITION: Poor		INSPECTION DATE: 03/07/2	2017		
POSTED SV: Not Posted	Not Posted	POSTED TTST: Not Pos	ted	Not Posted	
OTHER SIGNS PRESENT: NONE					
			Sign noticed issued for NO NO NO NO NO	WEIGHT LIMIT DELINEATORS NARROW BRIDGE ONE LANE BRIDGE LOW CLEARANCE	Number Required 0 0 0 0 0 0
SOUTH APPROACH, NBL			INSPI	TION OF S-N ECTION ES PLANS	

Structure Element Scoring

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	О	Reinforced Concrete Deck	Deck	7825	7226	598	1	0
107	0	Steel Open Girder/Beam	Beam	1040	0	1032	8	0
515	107	Steel Protective Coating	Beam	9904	8852	780	260	12
205	0	Reinforced Concrete Column	Piles and Columns	8	5	0	3	0
215	0	Reinforced Concrete Abutment	Abutments	126	102	24	0	0
225	0	Steel Pile	Piles and Columns	26	26	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	248	148	12	85	3
302	0	Compression Joint Seal	Expansion Joints	120	120	0	0	0
311	0	Movable Bearing	Bearing Device	24	0	0	24	0
515	311	Steel Protective Coating	Bearing Device	24	0	0	0	24
313	0	Fixed Bearing	Bearing Device	24	0	0	24	0
515	313	Steel Protective Coating	Bearing Device	24	0	0	0	24
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	396	395	0	1	0
510	0	Wearing Surface	Wearing Surfaces	7364	7127	60	177	0

Summary of Maintenance Needs

Maintenance By Defect

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	4 Square Feet
3314	Steel Open Girder/Beam	Corrosion	8 Feet
3348	3348 Reinforced Concrete Column Delamination/Spall		5 Each
3348	Reinforced Concrete Column	Cracking (RC and Other)	12 Each
3348	Reinforced Concrete Pier Cap	Efflorescence/Rust Staining	8 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	48 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	31 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	3 Feet
3334	Movable Bearing	Corrosion	24 Each
3334	Fixed Bearing	Corrosion	24 Each
2816	Wearing Surface	Delamination/Spall (Wearing Surfaces)	65 Square Feet
2816	Wearing Surface	Crack (Wearing Surface)	112 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	1100 Square Feet

Element Structure Maintenance Quantities

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	126	0	0	24	102
Beam	3314	Maintenance Steel Superstructure Components	8	1040	О	8	1032	0
Beam	3342	Clean and Paint Steel	1052	9904	12	260	780	8852
Bearing Device	3334	Bridge Bearing	48	48	О	48	О	0
Bearing Device	3342	Clean and Paint Steel	48	48	48	0	О	0
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	1	396	О	1	О	395
Caps	3348	Maintenance of Concrete Substructure	90	248	3	85	12	148
Deck	3326	Maintenance of Concrete Deck	4	7825	О	1	598	7226
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	120	О	0	О	120
Piles and Columns	3348	Maintenance of Concrete Substructure	17	8	О	3	О	5
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	26	0	0	0	26
Wearing Surfaces	2816	Asphalt Surface Repair	177	7364	0	177	60	7127

Element Condition and Maintenance Data

Structure Number: 430095 Inspection Date: 03/07/2017

Jucture	14011ber. <u>430093</u>					1118	spection Date. <u>03/01/2011</u>
Spa	ın 1	Deck					
Rei	nforced Concrete	Deck					
	ment nber Reinford	Element Name ced Concrete Deck	Total Qty 3,213	CS1 Qty 2,984	CS2 Qty 228	CS3 Qty 1	CS4 Qty 0 Square Feet
Elemen Numbe	Dofoot Typo	Defect Descrip	tion		cs	CS Qty	Maint Qty
12	Delamination/Spall	LT DECK OVERHANG, APPROX 1SO EXPOSED RESTEEL, UP TO 1"D.	QFT SPALL WIT	Н	3	1	1 Square Feet
12	Cracking (RC and Other)	RT & LT ENDS, HORIZONTAL HL CF STAINING, SCATTERED	RACKING WITH	RUST	2	25	Square Feet
12	Cracking (RC and Other)	UNDERSIDE OF THE DECK, HL TRA WITH EFFLO STAINING, SCATTERE		CKING	2	100	Square Feet
12	Delamination/Spall	UNDERSIDE OF THE DECK OVERH DELAM	ANGS, SCATTE	RED	2	3	Square Feet
12	Efflorescence/Rust Staining	UNDERSIDE OF THE DECK, HL TRA WITH EFFLO STAINING, SCATTERE		CKING	2	100	Square Feet
•	General Comments						

Spa	ın 1		Beam 1						
Plat	te Girder								
	ment nber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	S	teel Open Girder/Beam		54	0	54	0	0 F	eet
515	S	teel Protective Coating		511	457	0	54	0 \$	Square Feet
lemen lumbe	Dofoct Tv	pe	Defect Description	n		cs	CS Qty	Maint Qty	
107	Corrosion		OSION ALONG THE L N AREAS OF PC FAII		ΗE	2	54		Feet
515	Effectiveness (S		OSION ALONG THE L N AREAS OF PC FAII		ΗE	3	54	54	Square Feet
•	General Comme	nts							

n 1	Beam 2						
e Girder							
nent nber Steel Op	Element Name en Girder/Beam	Total Qty 54	CS1 Qty 0	CS2 Qty 54	CS3 Qty 0	Qty	
Steel Pro	otective Coating	511	457	54	0	0	Square Feet
t Defect Type	Defect Description	n		cs	CS Qty	Maint Qty	
Corrosion	FRECKLED CORROSION, SCATTERED)		2	54	•	Feet
Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED)		2	54	5	4 Square Feet
t .	e Girder nent ber Steel Op Steel Pro Defect Type Corrosion Effectiveness (Steel	e Girder Tent ber Element Name Steel Open Girder/Beam Steel Protective Coating Defect Type Defect Description Corrosion FRECKLED CORROSION, SCATTERED Effectiveness (Steel FRECKLED CORROSION, SCATTERED	Defect Type Defect Description Corrosion FRECKLED CORROSION, SCATTERED Effectiveness (Steel FRECKLED CORROSION, SCATTERED	e Girder Total CS1 ber Element Name Qty Qty Steel Open Girder/Beam 54 0 Steel Protective Coating 511 457 Defect Type Defect Description Corrosion FRECKLED CORROSION, SCATTERED Effectiveness (Steel FRECKLED CORROSION, SCATTERED	CS	CS1	CS

								·
Spa	n 1	Beam 3						
Plat	te Girder							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel O	pen Girder/Beam	54	0	54	0	0	Feet
515	Steel Pr	rotective Coating	511	457	54	0	0	Square Feet
Elemer Numbe	Dofoot Typo	Defect Description	n		cs	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED)		2	54		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED)		2	54	54	1 Square Feet
	General Comments							

Spar	າ 1	Beam 4						
Plate	e Girder							
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	oen Girder/Beam	54	0	54	0	0	Feet
515	Steel Pr	otective Coating	511	457	54	0	0	Square Feet
Element Number	Dofoot Typo	Defect Description	n		cs	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED)		2	54		Feet
	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED)		2	54	54	1 Square Feet
7	General Comments							

Spa	an 1	Beam 5						
Plat	te Girder							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel O	oen Girder/Beam	54	0	54	0	0 1	Feet
515	Steel Pr	otective Coating	511	457	54	0	0	Square Feet
Elemer Numbe	Dofoot Typo	Defect Description	1		cs	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED)		2	54		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	1		2	54	54	Square Feet
	General Comments							

Spa Plat	n 1 e Girder	Beam 6					
	nent nber Steel Op	Element Name pen Girder/Beam	Total Qty 54	CS1 Qty 0	CS2 Qty 54	CS3 Qty 0	CS4 Qty 0 Feet
515	Steel Pr	otective Coating	511	457	54	0	0 Square Feet
lemen lumbe	Defeat Type	Defect Description			cs	CS Qty	Maint Qty
107	Corrosion	FRECKLED CORROSION, SCATTERED			2	54	Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED			2	54	54 Square Feet

Spa Pla	nn 1 te Girder	Beam 7						
	ment mber Steel O	Element Name pen Girder/Beam	Total Qty 54	CS1 Qty 0	CS2 Qty 54	CS3 Qty 0	CS4 Qty 0	Feet
515	Steel Pr	rotective Coating	511	457	54	0	0	Square Feet
Elemer	Defect Type	Defect Description			cs	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED			2	54	-	Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED			2	54	54	Square Feet
	General Comments							

irder	Beam 8						
:	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Steel Op	en Girder/Beam	54	0	54	0	0 F	eet
Steel Pro	otective Coating	511	457	0	54	0 Square Feet	
Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
			HE	2	54	•	Feet
			HE	3	54	54	Square Feet
	Steel Op Steel Pro Defect Type rosion ectiveness (Steel	Element Name Steel Open Girder/Beam Steel Protective Coating Defect Type Tosion SURFACE CORROSION ALONG LOWER FLANGE IN AREAS OF I	Element Name Steel Open Girder/Beam Steel Protective Coating Defect Type SURFACE CORROSION ALONG THE LENGTH OF TILOWER FLANGE IN AREAS OF PC FAILURE Sectiveness (Steel SURFACE CORROSION ALONG THE LENGTH OF TILOWER FLANGE SURFACE	Element Name Steel Open Girder/Beam Steel Protective Coating Defect Type Defect Description SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE Sectiveness (Steel SURFACE CORROSION ALONG THE LENGTH OF THE	Element Name Element Name Steel Open Girder/Beam Steel Protective Coating Defect Type Defect Description SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE Excitiveness (Steel SURFACE CORROSION ALONG THE LENGTH OF THE 3	Total CS1 CS2 CS3	Total CS1 CS2 CS3 CS4

Spa	n 1	Wearing Su	ırface					
Asp	halt Wearing Su	rface						
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Weari	ng Surface	3,024	2,912	0	112	0 8	Square Feet
Element Number	Dofoct Typo	Defect Desci	ription		cs	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	,		3	56	56	Square Feet	
510	Delamination/Spall AT BENT 1, SCATTERED SPALLING UP TO 2"D ALONG THE (Wearing Surfaces) JOINT TOTALING APPROX 56SQFT		3	56	56	Square Feet		
7	General Comments							

Span 1	Span 1 Near Bearing							
Fixed B	earing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	Bearing	1	0	0	1	0 Ea	ach
515	Steel P	rotective Coating	1	0	0	0	1 Sc	quare Feet
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
313 Cor	rosion	SURFACE CORROSION WITH S	CATTERED LAYERE	D RUST	3	1	-	Each

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IN AREAS OF PC FAILURE

Effectiveness (Steel Protective Coatings) SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE 515 1 Square Feet

Sp	an 1	Far Bearing	9					
Мо	vable Bearing							
	ement Imber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movab	le Bearing	1	0	0	1	0	Each
515	Steel F	rotective Coating	1	0	0	0	1	Square Feet
Eleme Numb	Dofoct Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	ATTERED LAYERE	D RUST	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	4	1		1 Square Feet
	General Comments							

Spa	an 1	Near Beari	ng					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed	Bearing	1	0	0	1	0	Each
515	Steel	Protective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoct Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	ATTERED LAYERE	D RUST	3	1		1 Each
515	Effectiveness (Steel Protective Coatings		ATTERED LAYERE	D RUST	4	1		1 Square Feet
	General Comments							

Spa	an 1	Far Beari	ing					
Мо	vable Bearing							
	ement imber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	e Bearing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Eleme Numb	Dofoct Typo	Defect De	escription		cs	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH IN AREAS OF PC FAILURE	SCATTERED LAYERE	D RUST	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH IN AREAS OF PC FAILURE	SCATTERED LAYERE	D RUST	4	1		1 Square Feet
	General Comments							

Spa	an 1		Near Bearing					
Fix	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fi	ked Bearing	1	0	0	1	0	Each
515	St	eel Protective Coating	1	0	0	0	1	Square Feet
Eleme Numb	Dofoct Tv	De .	Defect Description		cs	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORRO IN AREAS OF PC F	SION WITH SCATTERED LAYE AILURE	RED RUST	3	1	1	Each
515	Effectiveness (S Protective Coati		SION WITH SCATTERED LAYE AILURE	RED RUST	4	1	1	Square Feet
	General Comme	nts						

Spa	an 1		Far Bearing	3					
Mo	vable	Bearing							
	ment mber		Element Name	Total Qty	CS1 Qty	CS2 Qty		CS4 Qty	
311		Movable	Bearing	1	0	0	1	0	Each
515		Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe		Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty	
311	Corr	osion SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE			D RUST	3	1		1 Each
515			SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	ATTERED LAYERE	D RUST	4	1		1 Square Feet
	Gene	ral Comments							

n 1	Near Beari	ng					
ed Bearing							
nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Fixed Be	earing	1	0	0	1	0	Each
Steel Pro	otective Coating	1	0	0	0	1	Square Feet
t Defect Type	Defect Desc	cription		CS	CS Qty	Maint Qty	
Corrosion	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	3	1	•	1 Each
Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	4	1	•	1 Square Feet
	red Bearing nent nber Fixed Be Steel Pro t Defect Type Corrosion Effectiveness (Steel	red Bearing ment her Element Name Fixed Bearing Steel Protective Coating t Defect Type Defect Description Corrosion SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE Effectiveness (Steel SURFACE CORROSION WITH SO	red Bearing Total Output Fixed Bearing Steel Protective Coating 1 Steel Protective Coating 1 Defect Type Corrosion SURFACE CORROSION WITH SCATTERED LAYERE IN AREAS OF PC FAILURE Effectiveness (Steel SURFACE CORROSION WITH SCATTERED LAYERE	Interest Protective Coating Total CS1 Qty Qty Fixed Bearing 1 0 Steel Protective Coating 1 0 Total CS1 Qty Qty Qty Fixed Bearing 1 0 Steel Protective Coating 1 0 Total CS1 Qty Qty Qty Fixed Bearing 1 0 Steel Protective Coating 1 0 Total CS1 Qty Qty Qty Fixed Bearing 1 0 Steel Protective Coating 1 N O Total CS1 Qty Qty Qty Fixed Bearing 1 N O Steel Protective Coating 1 N O	Total CS1 CS2	Total CS1 CS2 CS3	Total CS1 CS2 CS3 CS4

Span 1 Movable	e Bearing	Far Beari					
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movabl	e Bearing	1	0	0	1	0 Each
515	Steel P	rotective Coating	1	0	0	0	1 Square Feet
lement Number	Defect Type	Defect De	escription		cs	CS Qty	Maint Qty
311 Cor	rosion	SURFACE CORROSION WITH IN AREAS OF PC FAILURE	SCATTERED LAYERE	D RUST	3	1	1 Each

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1 Square Feet

SURFACE CORROSION WITH SCATTERED LAYERED RUST Effectiveness (Steel Protective Coatings) IN AREAS OF PC FAILURE

General Comments

_				•					
Spa	an 1		Near Bear	ing					
Fix	ed Bearing								
	ement mber		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	1	0	0	0	1	Square Feet
Eleme	Dofoct	Туре	Defect Des	cription		cs	CS Qty	Maint Qty	
313	Corrosion		SURFACE CORROSION WITH S IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	3	1		1 Each
515	Effectiveness Protective Co	`	SURFACE CORROSION WITH S IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	4	1		1 Square Feet
	General Com	ments							

Spa	an 1	Far Bearing	g					
Мо	vable Bearing							
Nu	ement ımber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	e Bearing	1	0	0	1	0	Each
515	Steel Pr	rotective Coating	1	0	0	0	1	Square Feet
Eleme Numb	Dofoct Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	4	1		1 Square Feet
	General Comments							

Span 1 Near Bearing								
Fixe	ed Bearing							
	ment 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 Pro	tective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoot Tymo	Defect Desc	cription		cs	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	4	1		1 Square Feet

Spa	an 1			Far Bearing						
Мо	vable Bea	ring								
	ement imber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		Movable	Bearing		1	0	0	1	0	Each
515		Steel Pr	otective Coating		1	0	0	0	1	Square Feet
Eleme Numb	Dofoc	t Type		Defect Description			cs	CS Qty	Maint Qty	
311	Corrosion		SURFACE CORROS IN AREAS OF PC F	SION WITH SCATTERE AILURE	ED LAYERE	ED RUST	3	1		1 Each
515	Effectivene Protective (SURFACE CORROS IN AREAS OF PC F	SION WITH SCATTERE AILURE	D LAYERE	D RUST	4	1		1 Square Feet
	General Co	mments								

Spar Fixed	n 1 d Bearing	Near Bearing	g					
Elem Num		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	1	0	0	0	1	Square Feet
lement lumber	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCA	ATTERED LAYERE	ED RUST	3	1		1 Each
	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCA	ATTERED LAYERE	D RUST	4	1		1 Square Feet
-	Seneral Comments							

ble Bearing							
ent oer	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Movable	Bearing	1	0	0	1	0	Each
Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
Corrosion	SURFACE CORROSION WITH S IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	3	1	1	1 Each
Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH S IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	4	1	1	1 Square Feet
	Movable Steel Pro Defect Type Corrosion Effectiveness (Steel	Defect Type Defect Type Defect Type Defect SURFACE CORROSION WITH S IN AREAS OF PC FAILURE Protective Coatings) SURFACE CORROSION WITH S IN AREAS OF PC FAILURE IN AREAS OF PC FAILURE	Movable Bearing 1 Steel Protective Coating 1 Defect Type Defect Description Corrosion SURFACE CORROSION WITH SCATTERED LAYERE IN AREAS OF PC FAILURE Effectiveness (Steel SURFACE CORROSION WITH SCATTERED LAYERE Protective Coatings) IN AREAS OF PC FAILURE	Movable Bearing 1 0 Steel Protective Coating 1 0 Defect Type Defect Description Corrosion SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE Effectiveness (Steel SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE Protective Coatings) IN AREAS OF PC FAILURE	Defect Type Defect Description CS	Movable Bearing 1 0 0 1 Steel Protective Coating 1 0 0 0 Defect Type Defect Description CS CS Qty Corrosion SURFACE CORROSION WITH SCATTERED LAYERED RUST 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Movable Bearing 1 0 0 1 0 Steel Protective Coating 1 0 0 0 1 Defect Type Defect Description CS CS Qty Naint Qty IN AREAS OF PC FAILURE Effectiveness (Steel SURFACE CORROSION WITH SCATTERED LAYERED RUST 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Span 1 Fixed B	earing	Near Be	earing					
Element Number	oug	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed E	Bearing	1	0	0	1	0 Each	า
515	Steel P	rotective Coating	1	0	0	0	1 Squa	are Feet
Element Number	Defect Type	Defect	Description		cs	CS Qty	Maint Qty	
313 Corr	rosion	SURFACE CORROSION WIT	H SCATTERED LAYERE	D RUST	3	1	1 Ea	ach

Inspection Date: <u>03/07/2017</u> Structure Number: 430095

1 Square Feet

SURFACE CORROSION WITH SCATTERED LAYERED RUST Effectiveness (Steel

Protective Coatings) IN AREAS OF PC FAILURE

_										
Spa	an 1			Far Bearing						
Мо	vable Be	earing								
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		Movable	Bearing		1	0	0	1	0	Each
515		Steel Pr	otective Coating		1	0	0	0	1	Square Feet
Eleme	D0:	fect Type		Defect Description			cs	CS Qty	Maint Qty	
311	Corrosio	n	SURFACE CORROS IN AREAS OF PC FA	SION WITH SCATTERE AILURE	D LAYERE	D RUST	3	1		1 Each
515		eness (Steel ve Coatings)	SURFACE CORROS IN AREAS OF PC FA	SION WITH SCATTERE AILURE	D LAYERE	ED RUST	4	1		1 Square Feet
	General (Comments								

Spa	n 2	Deck					
Rei	nforced Concrete	Deck					
	ment mber Reinford	Element Name ced Concrete Deck	Total Qty 2,083	CS1 Qty 1,941	CS2 Qty 142	CS3 Qty 0	CS4 Qty 0 Square Feet
Elemer Numbe	Dofoct Typo	Defect Description	on		cs	CS Qty	Maint Qty
12	Cracking (RC and Other)	RT & LT ENDS, HORIZONTAL HL CRA STAINING, SCATTERED	CKING WITH	RUST	2	20	Square Feet
12	Cracking (RC and Other)	UNDERSIDE OF THE DECK, HL TRAN WITH EFFLO STAINING, SCATTERED		CKING	2	60	Square Feet
12	Delamination/Spall	SURFACE CORROSION ALONG THE LOWER FLANGE IN AREAS OF PC FA		HE	2	2	Square Feet
12	Efflorescence/Rust Staining	UNDERSIDE OF THE DECK, HL TRAN WITH EFFLO STAINING, SCATTERED		CKING	2	60	Square Feet
	General Comments						

Spa	ın 2	Beam 1						
Plat	e Girder							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	34	0	32	2	0 F	eet
515	Steel Pro	otective Coating	325	287	0	34	4 8	Square Feet
Elemen Numbe	Dofoot Typo	Defect Descrip	tion		cs	CS Qty	Maint Qty	
107	Corrosion	BEAM END AT BENT 2 HAS SURFAU PITTING UP TO 1/16" AND LAYERED 2'L.			3	2	2	Feet
107	Corrosion	SURFACE CORROSION ALONG THE LOWER FLANGE IN AREAS OF PC I		HE	2	32		Feet
515	Effectiveness (Steel Protective Coatings)	BEAM END AT BENT 2 HAS SURFAGE PITTING UP TO 1/16" AND LAYERED 2'L.			4	4	4	Square Feet
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION ALONG THE LOWER FLANGE IN AREAS OF PC I		HE	3	34	34	Square Feet
-	General Comments							

Spa	ın 2	Beam 2						
Plat	e Girder							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	oen Girder/Beam	34	0	34	0	0	Feet
515	Steel Pr	otective Coating	325	291	34	0	0	Square Feet
Elemen Numbe	Dofoct Type	Defect Description			cs	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED			2	34		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED			2	34	3	4 Square Feet
•	General Comments							

Spa Plat	n 2 te Girder	Beam 3						
Nur	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Fast
107	Steel Op	oen Girder/Beam	34	0	34	0	0	Feet
515	Steel Pro	otective Coating	325	291	34	0	0	Square Feet
Elemen Numbe	Dofoct Typo	Defect Description			cs	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED			2	34		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED			2	34	34	4 Square Feet
	General Comments							

Spa	an 2	Beam 4						
Pla	te Girder							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel O _l	pen Girder/Beam	34	0	34	0	0 Fe	eet
515	Steel Pr	rotective Coating	325	291	34	0	0 Sc	quare Feet
Eleme Numbe	Defect Type	Defect Description			cs	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED			2	34		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED			2	34	34	Square Feet
	General Comments							

Spa Plat	n 2 e Girder	Beam 5					
Eler Nun 107		Element Name pen Girder/Beam	Total Qty 34	CS1 Qty 0	CS2 Qty 34	CS3 Qty 0	CS4 Qty 0 Feet
515	Steel Pr	otective Coating	325	291	34	0	0 Square Feet
lemen lumbe	Dofoot Typo	Defect Description			cs	CS Qty	Maint Qty
107	Corrosion	FRECKLED CORROSION, SCATTERED			2	34	Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED			2	34	34 Square Feet

•	nn 2 te Girder	Beam 6						
	ment mber Steel O	Element Name pen Girder/Beam	Total Qty 34	CS1 Qty 0	CS2 Qty 34	CS3 Qty 0	CS4 Qty	Feet
515		rotective Coating	325	291	34	0		Square Feet
Elemer Numbe	Defect Type	Defect Description			cs	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED			2	34	-	Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED			2	34	34	Square Feet
	General Comments							

Spa Plat	n 2 e Girder	Beam 7						
	ment nber Steel Op	Element Name pen Girder/Beam	Total Qty 34	CS1 Qty 0	CS2 Qty 34	CS3 Qty	CS4 Qty	-eet
515	Steel Pr	otective Coating	325	291	34	0	0 \$	Square Feet
Elemen Numbe	Dofoot Typo	Defect Descriptio	n		cs	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED)		2	34	•	Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED)		2	34	34	Square Feet
	General Comments							

Spa	n 2	Beam 8						
Pla	te Girder							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	34	0	32	2	0 F	eet
515	Steel Pro	otective Coating	325	287	0	34	4 5	Square Feet
Elemer Numbe	Dofoct Typo	Defect Descrip	tion		cs	CS Qty	Maint Qty	
107	Corrosion	BEAM END AT BENT 2 HAS SURFAC PITTING UP TO 1/16" AND LAYERED 2'L.			3	2	2	Feet
107	Corrosion	SURFACE CORROSION ALONG THE LOWER FLANGE IN AREAS OF PC F		HE	2	32		Feet
515	Effectiveness (Steel Protective Coatings)	BEAM END AT BENT 2 HAS SURFAC PITTING UP TO 1/16" AND LAYERED 2'L.			4	4	4	Square Feet
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION ALONG THE LOWER FLANGE IN AREAS OF PC F		HE	3	34	34	Square Feet
	General Comments							

Spa	n 2	Wearing Sur	face					
Asp	halt Wearing Sur	face						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	Surface	1,960	1,891	60	9	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect Descri	ption		CS	CS Qty	Maint Qty	
510	Delamination/Spall (Wearing Surfaces)	AT BENT 2, SCATTERED SPALLIN JOINT TOTALING APPROX 6SQFT	G UP TO 2"D ALC	ONG THE	3	9	9	9 Square Feet
510	Crack (Wearing Surface)	SCATTERED MAP CRACKING UP	TO 1/16"W		2	60		Square Feet
	General Comments							

Spa	an 2	Near Bearing	9					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCA IN AREAS OF PC FAILURE	TTERED LAYERE	D RUST	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCA IN AREAS OF PC FAILURE	TTERED LAYERE	D RUST	4	1		1 Square Feet
	General Comments							

Spa	an 2		Far Bo	earing					
Мо	vable E	Bearing							
	ment mber		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	1	0	0	0	1	Square Feet
Elemei Numbe		efect Type	Defec	t Description		cs	CS Qty	Maint Qty	
311	Corros	ion	SURFACE CORROSION W IN AREAS OF PC FAILURE		RED RUST	3	1		1 Each
515		veness (Steel tive Coatings)	SURFACE CORROSION W IN AREAS OF PC FAILURE		RED RUST	4	1		1 Square Feet
	General	Comments							

Spa	n 2	Near Bearing	g					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS ² Qty	
313	Fixed Be	earing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemer	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCA	ATTERED LAYERE	D RUST	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCA	ATTERED LAYERE	D RUST	4	1		1 Square Feet

General Comments

Spa	an 2	Far Bearing	1					
Mov	vable Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoct Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SC IN AREAS OF PC FAILURE	ATTERED LAYERE	D RUST	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SC IN AREAS OF PC FAILURE	ATTERED LAYERE	D RUST	4	1	1	Square Feet
	General Comments							

C _m ,	a 0		Noor D	aau!na					
Spa	an 2		near B	earing					
Fix	ed Bearing								
	ement imber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313		Fixed Be	earing	1	0	0	1	0	Each
515		Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Eleme	Dofoct '	Туре	Defect	Description		cs	CS Qty	Maint Qty	
313	Corrosion		SURFACE CORROSION WI'	TH SCATTERED LAYE	RED RUST	3	1		1 Each
515	Effectiveness Protective Co		SURFACE CORROSION WI'	TH SCATTERED LAYE	RED RUST	4	1		1 Square Feet
	General Com	ments							

Spa	n 2	Far Bearing	g					
Mov	vable Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movab	e Bearing	1	0	0	1	0	Each
515	Steel P	Steel Protective Coating		0	0	0	1	Square Feet
Elemer Numbe	Dofoot Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	4	1		1 Square Feet
	0							

Spa	ın 2		Near Be	earing					
Fixe	ed Bearing								
	ment mber		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	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoct	Туре	Defect I	Description		cs	CS Qty	Maint Qty	
313	Corrosion		SURFACE CORROSION WIT IN AREAS OF PC FAILURE	H SCATTERED LAYERE	ED RUST	3	1		1 Each
515	Effectivenes Protective C		SURFACE CORROSION WIT IN AREAS OF PC FAILURE	H SCATTERED LAYERE	D RUST	4	1		1 Square Feet
	General Con	nments							

Span 2		Far Bearing	l					
Movabl	le Bearing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Descr	ription		cs	CS Qty	Maint Qty	
311 Cor	rrosion	SURFACE CORROSION WITH SC. IN AREAS OF PC FAILURE	ATTERED LAYERE	D RUST	3	1		1 Each
	ectiveness (Steel otective Coatings)	SURFACE CORROSION WITH SC. IN AREAS OF PC FAILURE	ATTERED LAYERE	D RUST	4	1		1 Square Feet
	eral Comments	IN AREAS OF PC FAILURE						

n 2	Near Beari	ng					
ed Bearing							
nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Fixed Be	aring	1	0	0	1	0	Each
Steel Pro	otective Coating	1	0	0	0	1	Square Feet
t r Defect Type	Defect Desc	ription		cs	CS Qty	Maint Qty	
Corrosion	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	3	1		1 Each
Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	4	1		1 Square Feet
	red Bearing ment nber Fixed Be Steel Pro t r Defect Type Corrosion Effectiveness (Steel	red Bearing ment nber Element Name Fixed Bearing Steel Protective Coating t r Defect Type Corrosion SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE Effectiveness (Steel SURFACE CORROSION WITH SO	red Bearing Total Qty Fixed Bearing 1 Steel Protective Coating 1 tr Defect Type Defect Description Corrosion SURFACE CORROSION WITH SCATTERED LAYERE IN AREAS OF PC FAILURE Effectiveness (Steel SURFACE CORROSION WITH SCATTERED LAYERE	red Bearing Total CS1 Qty Qty Fixed Bearing 1 0 Steel Protective Coating 1 0 Steel Protective Coating 1 0 Total CS1 Qty Qty Qty Fixed Bearing 1 0 Steel Protective Coating 1 0 Steel Protective Coating 1 0 Total CS1 Qty Qty Qty Protective Coating 1 0 Steel Protective Coating 1 0	Total CS1 CS2	Total CS1 CS2 CS3 Total CS1 CS2 CS3 Total CS1 CS2 CS3 Oty Oty Oty Oty Fixed Bearing 1 0 0 1 Steel Protective Coating 1 0 0 0 Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other Other	Total CS1 CS2 CS3 CS4

Movabl	e Bearing		_					
Element Number	-	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	le Bearing	1	0	0	1	0 E	Each
515	Steel P	rotective Coating	1	0	0	0	1 5	Square Feet
Element Number	Defect Type	De	fect Description		cs	CS Qty	Maint Qty	
311 Cor	rrosion	SURFACE CORROSION IN AREAS OF PC FAILU	WITH SCATTERED LAYER RE	ED RUST	3	1	1	Each

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1 Square Feet

SURFACE CORROSION WITH SCATTERED LAYERED RUST Effectiveness (Steel Protective Coatings) IN AREAS OF PC FAILURE

General Comments

	•								
Spa	an 2		Near Bear	ring					
Fix	ed Bearing								
	ement mber		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	1	0	0	0	1	Square Feet
Eleme	Dofoot '	Туре	Defect Des	scription		cs	CS Qty	Maint Qty	
313	Corrosion		SURFACE CORROSION WITH S IN AREAS OF PC FAILURE	SCATTERED LAYERE	D RUST	3	1		1 Each
515	Effectiveness Protective Co		SURFACE CORROSION WITH S IN AREAS OF PC FAILURE	SCATTERED LAYERE	D RUST	4	1		1 Square Feet
	General Comr	ments							

Spa	an 2	Far Be	earing					
Мо	vable Bearing							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	e Bearing	1	0	0	1	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Eleme Numb	Dofoct Typo	Defect	Description		cs	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WI'	TH SCATTERED LAYE	RED RUST	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WI'	TH SCATTERED LAYE	RED RUST	4	1		1 Square Feet
	General Comments							

Spa	n 2	Near Beari	ng					
Fixe	ed Bearing							
Elen Nun		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	aring	1	0	0	1	0	Each
515	Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Elemen Numbei	Dofoot Tymo	Defect Desc	cription		cs	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	4	1		1 Square Feet

Spa	an 2			Far Bearing						
Мо	vable Bea	ring								
	ement imber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		Movable	Bearing		1	0	0	1	0	Each
515		Steel Pr	otective Coating		1	0	0	0	1	Square Feet
Eleme Numb	Dofoo	t Type		Defect Description			cs	CS Qty	Maint Qty	
311	Corrosion		SURFACE CORROS IN AREAS OF PC FA	SION WITH SCATTERE AILURE	D LAYERE	ED RUST	3	1		1 Each
515	Effectivene Protective (SURFACE CORROS IN AREAS OF PC FA	SION WITH SCATTERE AILURE	D LAYERE	ED RUST	4	1		1 Square Feet
	General Cor	mments								

Spa Fixe	n 2 ed Bearing	Near Bearin	g					
Eler	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed B	earing	1	0	0	1	0	Each
515	Steel Pi	rotective Coating	1	0	0	0	1	Square Feet
lemen lumbe	Dofoct Typo	Defect Descr	iption		cs	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCA	ATTERED LAYERE	D RUST	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCA	ATTERED LAYERE	D RUST	4	1		1 Square Feet
-	General Comments							

Spa	an 2			Far Bearing						
Mo	vable Bear	ing								
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		Movable	Bearing		1	0	0	1	0	Each
515		Steel Pr	otective Coating		1	0	0	0	1	Square Feet
Elemer Numbe	Dofoc	t Type		Defect Description			cs	CS Qty	Maint Qty	
311	Corrosion		SURFACE CORRO IN AREAS OF PC F	SION WITH SCATTERE FAILURE	ED LAYERE	D RUST	3	1		1 Each
515	Effectivenes Protective C	,	SURFACE CORRO IN AREAS OF PC F	SION WITH SCATTERE FAILURE	ED LAYERE	D RUST	4	1		1 Square Feet
	General Con	nments								

Span 2		Expansion Joint						
Compre	ession Seal							
Element Number	Element	Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
302	Compression Joint Sea	ıl	60	60	0	0	0 Feet	
Element Number	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

Spa	an 3	Deck					
Rei	inforced Concrete	Deck					
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinford	ced Concrete Deck	2,529	2,301	228	0	0 Square Feet
Eleme Numb	Dofoct Typo	Defect Description	on		cs	CS Qty	Maint Qty
12	Cracking (RC and Other)	RT & LT ENDS, HORIZONTAL HL CRA STAINING, SCATTERED	CKING WITH	RUST	2	25	Square Feet
12	Cracking (RC and Other)	UNDERSIDE OF THE DECK, HL TRAN WITH EFFLO STAINING, SCATTERED		ACKING	2	100	Square Feet
12	Delamination/Spall	SURFACE CORROSION ALONG THE LOWER FLANGE IN AREAS OF PC FA		ГНЕ	2	3	3 Square Feet
12	Efflorescence/Rust Staining	UNDERSIDE OF THE DECK, HL TRAN WITH EFFLO STAINING, SCATTERED		ACKING	2	100	Square Feet
	General Comments						

a 3 e Girder	Beam 1					
ent ber Steel Op	Element Name en Girder/Beam	Total Qty 42	CS1 Qty 0	CS2 Qty 40	CS3 Qty 2	CS4 Qty 0 Feet
Steel Pro	tective Coating	402	360	0	42	0 Square Feet
Defect Type	Defect Descri	ption		cs	CS Qty	Maint Qty
Corrosion	SECTION LOSS (AVG 5/16" REMAI	NS) IN THE LOWE		3	2	2 Feet
Corrosion			HE	2	40	Feet
Effectiveness (Steel Protective Coatings)	SURFACE CORROSION ALONG THE		HE	3	42	42 Square Feet
	e Girder ent ber Steel Op Steel Pro Defect Type Corrosion Corrosion Effectiveness (Steel	ent ber Element Name Steel Open Girder/Beam Steel Protective Coating Defect Type Defect Descri Corrosion BEAM END AT BENT 2, CORROSIO SECTION LOSS (AVG 5/16" REMAI THE WEB FOR APPROX 2'L. PMAIR Corrosion SURFACE CORROSION ALONG THE LOWER FLANGE IN AREAS OF PC Effectiveness (Steel SURFACE CORROSION ALONG THE	ent Element Name Qty Steel Open Girder/Beam 42 Steel Protective Coating 402 Defect Type Defect Description Corrosion BEAM END AT BENT 2, CORROSION WITH APPROX SECTION LOSS (AVG 5/16" REMAINS) IN THE LOWE THE WEB FOR APPROX 2'L. PMAINT. Corrosion SURFACE CORROSION ALONG THE LENGTH OF T LOWER FLANGE IN AREAS OF PC FAILURE Effectiveness (Steel SURFACE CORROSION ALONG THE LENGTH OF T	ent Element Name Qty Qty Steel Open Girder/Beam 42 0 Steel Protective Coating 402 360 Defect Type Defect Description Corrosion BEAM END AT BENT 2, CORROSION WITH APPROX 30% SECTION LOSS (AVG 5/16" REMAINS) IN THE LOWER 2" OF THE WEB FOR APPROX 2'L. PMAINT. Corrosion SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE Effectiveness (Steel SURFACE CORROSION ALONG THE LENGTH OF THE	ent Element Name Qty Qty Qty Steel Open Girder/Beam 42 0 40 Steel Protective Coating 402 360 0 Defect Type Defect Description CS Corrosion BEAM END AT BENT 2, CORROSION WITH APPROX 30% 3 SECTION LOSS (AVG 5/16" REMAINS) IN THE LOWER 2" OF THE WEB FOR APPROX 2'L. PMAINT. Corrosion SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE Effectiveness (Steel SURFACE CORROSION ALONG THE LENGTH OF THE 3	ent Element Name Qty Qty Qty Qty Qty Steel Open Girder/Beam 42 0 40 2 Steel Protective Coating 402 360 0 42 Defect Type Defect Description CS CS Qty Corrosion BEAM END AT BENT 2, CORROSION WITH APPROX 30% 3 2 SECTION LOSS (AVG 5/16" REMAINS) IN THE LOWER 2" OF THE WEB FOR APPROX 2'L. PMAINT. Corrosion SURFACE CORROSION ALONG THE LENGTH OF THE LOWER PLANGE IN AREAS OF PC FAILURE Effectiveness (Steel SURFACE CORROSION ALONG THE LENGTH OF THE 3 42

Spa	n 3	Beam 2						
Plat	e Girder							
Nun		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	oen Girder/Beam	42	0	42	0	0	Feet
515	Steel Pr	otective Coating	402	360	42	0	0	Square Feet
Elemen Numbe	Dofoot Typo	Defect Description	n		cs	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED)		2	42		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED)		2	42	4	2 Square Feet

Spa	ın 3	Beam 3						
Plat	te Girder							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	oen Girder/Beam	42	0	42	0	0	Feet
515	Steel Pr	otective Coating	402	360	42	0	0	Square Feet
Elemen	Dofoct Typo	Defect Description			cs	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED			2	42	-	Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED			2	42	42	2 Square Feet
	General Comments							

Spar	າ 3	Beam 4						
Plate	e Girder							
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	oen Girder/Beam	42	0	42	0	0	Feet
515	Steel Pr	otective Coating	402	360	42	0	0	Square Feet
Element Number	Dofoot Typo	Defect Description	n		cs	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED)		2	42		Feet
	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED)		2	42	42	2 Square Feet
G	General Comments							

Spa	an 3	Beam 5					
Pla	te Girder						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel O	oen Girder/Beam	42	0	42	0	0 Feet
515	Steel Pr	otective Coating	402	360	42	0	0 Square Feet
Elemer Numbe	Dofoot Typo	Defect Description	1		cs	CS Qty	Maint Qty
107	Corrosion	FRECKLED CORROSION, SCATTERED			2	42	Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED			2	42	42 Square Feet
	General Comments						

Spa Plat	n 3 e Girder	Beam 6					
Eler Nun 107		Element Name pen Girder/Beam	Total Qty 42	CS1 Qty 0	CS2 Qty 42	CS3 Qty 0	CS4 Qty 0 Feet
515	Steel Pr	otective Coating	402	360	42	0	0 Square Feet
lemen lumbe	Dofoot Typo	Defect Description			cs	CS Qty	Maint Qty
107	Corrosion	FRECKLED CORROSION, SCATTERED			2	42	Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED			2	42	42 Square Feet

General Comments

•	an 3 ite Girder	Beam 7						
	ement Imber Steel	Element Name Open Girder/Beam	Total Qty 42	CS1 Qty 0	CS2 Qty 42	CS3 Qty 0	CS4 Qty	- eet
515	Steel	Protective Coating	402	360	42	0	0 \$	Square Feet
Eleme	Dofoct Typo	Defect Description	on		cs	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERE	D		2	42		Feet
515	Effectiveness (Stee Protective Coatings		D		2	42	42	Square Feet
	General Comments							

Spa	n 3	Beam 8						
Plat	e Girder							
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	oen Girder/Beam	42	0	40	2	0 1	-eet
515	Steel Pro	otective Coating	402	356	0	42	4 \$	Square Feet
Elemen Numbe	Dofoct Type	Defect Descripti	on		cs	CS Qty	Maint Qty	
107	Corrosion	BEAM END AT BENT 2 HAS SURFACI PITTING UP TO 1/16" AND LAYERED 2'L.			3	2	2	: Feet
107	Corrosion	SURFACE CORROSION ALONG THE LOWER FLANGE IN AREAS OF PC FA		HE	2	40		Feet
515	Effectiveness (Steel Protective Coatings)	BEAM END AT BENT 2 HAS SURFACI PITTING UP TO 1/16" AND LAYERED 2'L.			4	4	4	Square Feet
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION ALONG THE LOWER FLANGE IN AREAS OF PC FA		HE	3	42	42	Square Feet
	General Comments							

Spa	n 3	Wearing S	urface				
Asp	halt Wearing Sur	face					
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearin	g Surface	2,380	2,324	0	56	0 Square Feet
lemer	Defeat Type	Defect Desc	ription		cs	CS Qty	Maint Qty
510	Crack (Wearing Surface)	AT THE NORTH APPROACH, FUI CRACKING UP TO 1/8"W	LL WIDTH TRANS	/ERSE	3	56	56 Square Fee

Span 3		Left Bridge Rail						
Concret	te Railing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Co	ncrete Bridge Railing	43	42	0	1	0 Feet	
Element Number	Defect Type	Defect Description	n		CS	CS Qty	Maint Qty	

General Comments

Spa	an 3	Near Bearin	ng					
Mo	vable Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemer Numbe	Dofoct Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SC IN AREAS OF PC FAILURE	ATTERED LAYERE	D RUST	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	ATTERED LAYERE	D RUST	4	1		1 Square Feet
	General Comments							

Spa	an 3	Far Bearin	ng					
Fixe	ed Bearing							
	ment mber	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	1	0	0	0	1 3	Square Feet
Elemer Numbe	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH S IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH S IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	4	1	1	Square Feet
	General Comments							

Spa Mov	ın 3 vable Bearing	Near Bearing	g					
	ment mber Movable	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
515		otective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCA	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE		3	1	•	1 Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCA	TTERED LAYERE	D RUST	4	1		1 Square Feet

Spa	an 3		Far Bea	ring					
Fix	ed Bearing	l							
	ment mber		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	1	0	0	0	1	Square Feet
Elemei Numbe	Dofoc	t Type	Defect D	Description		cs	CS Qty	Maint Qty	
313	Corrosion		SURFACE CORROSION WITH IN AREAS OF PC FAILURE	H SCATTERED LAYER	ED RUST	3	1		1 Each
515	Effectivenes Protective C		SURFACE CORROSION WITH IN AREAS OF PC FAILURE	H SCATTERED LAYER	ED RUST	4	1		1 Square Feet
	General Con	nments							

Spar	า 3	Near Bearing	g					
Mov	able Bearing							
Elem Num		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	1	0	0	0	1	Square Feet
lement lumber	Dofoct Typo	Defect Descri	ption		CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCA IN AREAS OF PC FAILURE	TTERED LAYERE	ED RUST	3	1		1 Each
	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCA	TTERED LAYERE	ED RUST	4	1		1 Square Fee
(General Comments							

Spa	n 3	Far Bearin	ng					
Fixe	ed Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixe	ed Bearing	1	0	0	1	0	Each
515	Stee	el Protective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoct Type	e Defect Des	cription		cs	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH S IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	3	1	1	Each
515	Effectiveness (Ste		CATTERED LAYERE	D RUST	4	1	1	Square Feet
-	General Comment	ts						

Movable	e Bearing								
Element Number		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movabl	e Bearing		1	0	0	1	0	Each
515	Steel P	rotective Coating		1	0	0	0	1	Square Feet
lement lumber	Defect Type		Defect Description			cs	CS Qty	Maint Qty	
311 Corr	rosion	SURFACE CORROSIC		D LAYERE	ED RUST	3	1	•	1 Each

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1 Square Feet

SURFACE CORROSION WITH SCATTERED LAYERED RUST Effectiveness (Steel Protective Coatings) IN AREAS OF PC FAILURE

General Comments

_	_								
Spa	an 3		Far Bea	aring					
Fix	ed Bearing								
	ment mber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313		Fixed Be	earing	1	0	0	1	0	Each
515		Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Eleme	Dofoct "	Туре	Defect	Description		cs	CS Qty	Maint Qty	
313	Corrosion		SURFACE CORROSION WIT IN AREAS OF PC FAILURE	H SCATTERED LAYE	RED RUST	3	1		1 Each
515	Effectiveness Protective Co	`	SURFACE CORROSION WIT IN AREAS OF PC FAILURE	H SCATTERED LAYE	RED RUST	4	1		1 Square Feet
	General Comr	nents							

Sp	an 3			Near Bearing						
Мо	vable Bear	ing								
	ement ımber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		Movable	Bearing		1	0	0	1	0	Each
515		Steel Pr	otective Coating		1	0	0	0	1	Square Feet
Eleme Numb	Dofoct	Туре		Defect Description			cs	CS Qty	Maint Qty	
311	Corrosion		SURFACE CORRO IN AREAS OF PC F	SION WITH SCATTERE AILURE	D LAYERE	ED RUST	3	1		1 Each
515	Effectivenes Protective C	`	SURFACE CORRO IN AREAS OF PC F	SION WITH SCATTERE AILURE	D LAYERE	ED RUST	4	1		1 Square Feet
	General Com	ments								

Spa	n 3	Far Bearin	g					
Fixe	ed Bearing							
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	earing	1	0	0	1	0	Each
515	Steel Pro	Steel Protective Coating 1 0		0	0	0	1	Square Feet
Element Number	Dofoot Tyme	Defect Desc	cription		cs	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	3	1		1 Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SO IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	4	1		1 Square Feet

Spa	ın 3	Near Bearin	g					
Mov	able Bearing							
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	e Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoot Typo	Defect Descr	iption		cs	CS Qty	Maint Qty	
311	Corrosion	rrosion SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE			3	1		1 Each
515	Effectiveness (Steel Protective Coatings)					1		1 Square Feet
	General Comments							

Spa	an 3		Far Bo	earing						
Fix	ed Be	aring								
	ment mber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313		Fixed Be	aring		1	0	0	1	0	Each
515		Steel Pro	tective Coating		1	0	0	0	1	Square Feet
Elemei Numbe		Defect Type	Defec	et Description			cs	CS Qty	Maint Qty	
313	Corro	sion	SURFACE CORROSION W IN AREAS OF PC FAILURE		LAYERE	ED RUST	3	1		1 Each
515		tiveness (Steel ctive Coatings)	SURFACE CORROSION W IN AREAS OF PC FAILURE		LAYERE	ED RUST	4	1		1 Square Feet
	Genera	al Comments								

Spa	n 3	Near Bear	ing					
Mov	able Bearing							
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	e Bearing	1	0	0	1	0	Each
515	Steel Pr	otective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoct Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH S IN AREAS OF PC FAILURE	ORROSION WITH SCATTERED LAYERED RUST OF PC FAILURE		3	1	1	1 Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH S IN AREAS OF PC FAILURE	CATTERED LAYERE	D RUST	4	1	1	1 Square Feet
-	General Comments							

Span 3 Fixed B	earing	Far Beari	ng				
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed E	Bearing	1	0	0	1	0 Each
515	Steel P	rotective Coating	1	0	0	0	1 Square Feet
Element Number	Defect Type	Defect Des	scription		cs	CS Qty	Maint Qty
313 Corr	rosion	SURFACE CORROSION WITH S	SCATTERED LAYERE	D RUST	3	1	1 Each

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1 Square Feet

SURFACE CORROSION WITH SCATTERED LAYERED RUST Effectiveness (Steel

Protective Coatings) IN AREAS OF PC FAILURE

General Comments

Sn	on 2			Near Pooring						
Spe	an 3			Near Bearing						
Мо	vable Bea	ring								
	ement Imber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		Movable	e Bearing		1	0	0	1	0	Each
515		Steel Pr	otective Coating		1	0	0	0	1	Square Feet
Eleme	Dofoo	t Type		Defect Description			cs	CS Qty	Maint Qty	
311	Corrosion		SURFACE CORROS IN AREAS OF PC F	SION WITH SCATTERE AILURE	D LAYERE	D RUST	3	1	•	1 Each
515	Effectivene Protective (SURFACE CORROS IN AREAS OF PC F	SION WITH SCATTERE AILURE	D LAYERE	D RUST	4	1		1 Square Feet
	General Cor	mments								

Sp	an 3		Far Bearing						
Fix	ed Bearing								
	ement ımber	Element Nam	ne	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	F	xed Bearing		1	0	0	1	0	Each
515	S	teel Protective Coating		1	0	0	0	1	Square Feet
Eleme Numb	Dofoct Tv	pe	Defect Description			cs	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORF IN AREAS OF PO	ROSION WITH SCATTERI C FAILURE	ED LAYERE	ED RUST	3	1	•	1 Each
515	Effectiveness (S Protective Coat		ROSION WITH SCATTERI C FAILURE	ED LAYERE	ED RUST	4	1	•	1 Square Feet
	General Comme	ents							

Span 3 Compre	ssion Seal	Expansion .	Joint					
Element Number	Element	Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
302	Compression Joint Se	al	60	60	0	0	0 Feet	
ement umber	Defect Type	Defect Descr	iption		cs	CS Qty	Maint Qty	

General Comments

NOT VISIBLE

Bent	:1	Reinforced Concrete Pier Cap 1						
Rein	forced Concrete	Pier Cap						
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinfor	ced Concrete Pier Cap	58	24	0	34	0 Feet	
Element Number	Dofoot Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
234	Cracking (RC and Other)	· · · · · · · · · · · · · · · · · · ·	IORIZONTAL CRACKING UP TO 3/16"W ID RUST STAINING, SCATTERED.			20	20 Feet	

Structure	Number: <u>430095</u>	Inspec	Inspection Date: <u>03/07/2017</u>		
234	Delamination/Spall	NORTH FACE AT BAY 1, TOP 4" OF THE CAP, HORIZONTAL SPALLING WITH EXPOSED RESTEEL, APPROX 4'LX 3"W X UP TO 3"D.	3	4	4 Feet
234	Efflorescence/Rust Staining	NORTH FACE, HORIZONTAL CRACKING UP TO 3/16"W WITH EFFLO AND RUST STAINING, SCATTERED.	3	10	Feet

End Bei	nt 2	Reinforced Concrete Pier Cap 1						
Reinfor	ced Concrete Pier Cap							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	•	66	58	0	8	0 Feet	
Element Number	Defect Type	Defect Description			cs	CS Qty	Maint Otv	

RT END OF THE CAP FACE, HORIZONTAL CRACKING UP

Qty

8 Feet

8

3

Cracking (RC and **General Comments**

Other)

TO 1/8"W

Number

234

General Comments

Ber	Bent 2 Cap 1								
Rei	nforced Concrete	Pier Cap							
	ment mber Reinfor	Element Name ced Concrete Pier Cap	Total Qty 58	CS1 Qty 0	CS2 Qty 12	CS3 Qty 43	CS4 Qty 3 Feet		
Elemer Numbe	lement Defect Type Defect Description		cs	CS Qty	Maint Qty				
234	Patched Area	LT END OF THE CAP, PATCHED ARE SPALLED) HAS FAILED EXPOSING TRESTEEL HAS PITTING UP TO 1/32". HAS UNDERMINED APPROX 3SQIN AREA OF SPAN 2, BEAM 1. THE SPAREACHED THE BEARING AREA OF SHAS NOT YET UNDERMINED IT. PMA	AREA G	4	3	3 Feet			
234	Cracking (RC and Other)	NORTH FACE, TOP 6" OF CAP, HORI UP TO 3/16"W IS SCATTERED ALON THE CAP. THE AREA ABOVE THE CF DELAMINATED.		3	12	12 Feet			
234	Cracking (RC and Other)	RT AND LT ENDS OF THE CAP, LOW HORIZONTAL AND MAP CRACKING EFFLO BUILD-UP AND RUST STAINII	UP TO 1/8"W WIT	ГН	3	8	8 Feet		
234	Cracking (RC and Other)	SOUTH FACE OF THE CAP, MAP CR. WITH EFFLOL STAINING, SCATTERE		/8"W	3		Feet		
234	Delamination/Spall	NORTH FACE, TOP 6" OF THE CAP A HORIZONTAL SPALLING, APPROX 1 THE AREA ABOVE HAS DELAMINATI	0'L X 3"W X ÛP T	O 2"D.	3	10	10 Feet		
234	Delamination/Spall		SOUTH FACE, TOP OF THE CAP AT BEAMS 4-5, HORIZONTAL SPALLING, APPROX 5'L X 3"W X UP TO 4"D			5	5 Feet		
234	Efflorescence/Rust Staining	RT AND LT ENDS OF THE CAP, LOWER SIDES, HORIZONTAL AND MAP CRACKING UP TO 1/8"W WITH EFFLO BUILD-UP AND RUST STAINING.		3	8	8 Feet			
234	Delamination/Spall	NORTH FACE, TOP 6" OF CAP, HORI UP TO 3/16"W IS SCATTERED ALON THE CAP. THE AREA ABOVE THE CF DELAMINATED.	ZONTAL CRACK G THE LENGTH (2	12	12 Feet		
	General Comments								

¹² Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft. NORTH FACE - 1/8"" TO 3/16"" WIDE CRACK TO NORTH FACE OF CAP EXTENDS FROM BEAM 3 TO BEAM 5 AT 6"" DOWN FROM TOP.

ADJ. AREAS ARE SOUND AT THIS TIME.

⁴ Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.
4" LONG X 1/8"" WIDE CRACK TO CAP BETWEEN BEAMS 6 AND 7 WITH ADJ. AREAS SOUNDING DELAM. WHEN STRUCK WITH HAMMER.

6 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.

6" LONG X 1/8"" TO 3/16"" WIDE CRACK AT 4"" TO 8"" DOWN FROM TOP BETWEEN BEAMS 7 AND 8 HOWEVER PREVIOUSLY REPAIRED AREA BENEATH BEAM 8 MAKES IT IMPOSSIBLE TO SEE WHERE CRACK ENDS DUE TO FORM BEING LEFT IN PLACE.

7 Feet of Delamination/Spall/Patched Area: Spall greater than 1 inch deep or greater than 6 inches in diameter. PAtched area that is unsound or showing distress. Condition does not warrant structural Review

NORTH FACE - 7" LONG X $8^{""}$ HIGH X $8^{""}$ DEEP AREA OF SPALLING TO LOWER PORTION OF CAP WITH RUSTED REINF. EXPOSED.

AREA INCLUDES PORTION BELOW BEAM 2.

10 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.

NORTH FACE - 10" LONG X 3/16"" TO 1/4"" WIDE AREA OF CRACKING TO CAP STARTING AT END OF PREVIOUSLY SPALLED AREA BENEATH BEAM 1 AND EXTENDS TO BEAM 3.

4 Feet of Delamination/Spall/Patched Area: Spall greater than 1 inch deep or greater than 6 inches in diameter. PAtched area that is unsound or showing distress. Condition does not warrant structural Review

SOUTH FACE - 4" LONG X 8"" WIDE X 8"" DEEP AREA OF SPALLING TO CAP BETWEEN BEAMS 4 AND 5 WITH RUSTED REINF, EXPOSED.

4 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.

SOUTH FACE - 1/2"" WIDE CRACK EXTENDS FROM WEST END OF CAP TO BENEATH BEAM 3.

4 Feet of Delamination/Spall/Patched Area: Spall greater than 1 inch deep or greater than 6 inches in diameter. PAtched area that is unsound or showing distress. Condition does not warrant structural Review

AREA OF SPALLING 1" HIGH X UP TO 8"" DEEP TO WESTMOST 4" OF CAP INCLUDING AREA BAK TO BUT NOT BENEATH BEARING PLATE FOR BEAM 1 AT THIS TIME.

RUSTED REINF. IS EXPOSED. IN SPALLED AREA.

_		_						
Ben	nt 2	Pile 1						
Rei	nforced Concrete	Column						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	1	0 E	ach
Elemen Numbe	Dofoot Typo	efect Type Defect Description				CS Qty	Maint Qty	
205	Cracking (RC and Other)	RUNS APPROX 3/4 OF THE HEIGH	COLUMN CORNERS, VERTICAL CRACKING UP TO 3/8"W RUNS APPROX 3/4 OF THE HEIGHT. APPROX 5SQFT OF DELAM IS ADJACENT TO THE CRACKING.			1	12	Each
205	Delamination/Spall	COLUMN CORNERS, VERTICAL C RUNS APPROX 3/4 OF THE HEIGH DELAM IS ADJACENT TO THE CR	HT. APPROX 5SQF		2		5	Each

Ben	it 2	Pile 2						
Rei	nforced Concrete	Column						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	1	0	Each
lemer lumbe	Defect Type	Defect Desc	ription		cs	CS Qty	Maint Qty	
205	Cracking (RC and Other)	AT THE CORNERS, VERTICAL CI SCATTERED ALONG THE HEIGH		8"W,	3	1		Each
	General Comments							

Ben	t 2	Pile 3						
Reir	nforced Concrete	Column						
Nun	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinfor	ced Concrete Column	1	0	0	1	0	Each
lemen lumbe	Dofoct Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
		AT THE CORNERS, VERTICAL C SCATTERED ALONG THE HEIGH		8"W,	3	1		Each
-	General Comments							

End	d Bent 2	Reinforced Concrete Abutment 1						
Rei	nforced Concrete	Abutment						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	215 Reinforced Concrete Abutment		63	39	24	0	0 Feet	
Elemei Numbe	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
215	Efflorescence/Rust Staining	BAY 1, SCATTERED EFFLO STAIN	ING		2	24	Feet	
	General Comments							

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3213
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	54
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	54
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	54
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	54
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	54
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	54
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	54
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	54
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	54
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	54
Span 1	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	54
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	3024
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	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	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 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2083
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	34
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	34
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	34
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	34
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	34
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	34
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	34
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	34
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	35
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	35
Span 2	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	35
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1960
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

Elements Verfied

Location	Name	Component	Element Name	Amount
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	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 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2529
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	42
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	42
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	42
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	42
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	42
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	42
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	42
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	42
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	43
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	43
Span 3	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	43
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2380
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	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	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
Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	58
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1

Elements Verfied

Location	Name	Component	Element Name	Amount
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	66
End Bent 1		Reinforced Concrete Abutment	Reinforced Concrete Abutment	63
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	58
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	66
End Bent 2		Reinforced Concrete Abutment	Reinforced Concrete Abutment	63

General Inspection Notes

Span 2 Expansion Joint

NOT VISIBLE

Span 3 Expansion Joint

NOT VISIBLE

National Bridge and NC Inspection Items

Structure Number: 430095 Inspection Date: 03/07/2017

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	6
Item 59: Superstructure	0 - 9 , N	6
Item 60: Substructure	0 - 9 , N	4
Item 61: Channel and Channel Protection	0 - 9 , N	N
Item 62: Culvert	0 - 9 , N	N
Item 71: Waterway Adequacy	0 - 9 , N	N
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	G	0	3350
Field Scour Evaluation				
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	8		
Superstructure Paint Code		Α		

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	N
Priority Maintenance Request Submitted	YES/NO	Υ
Inspection Time	Hours	14
Traffic Control Time	Hours	0
Snooper Time	Hours	0
Ladder Used	YES/NO	Υ
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 430095 Inspection Date: 03/07/2017

Item Substructure - Item 60 Grade 4 Maint Code Qty. 0

Details EXCESSIVE DETERIORATION IN THE BENTS. BENT 2 CAP LT END HAS SPALLED TO THE POINT OF UNDERMINING BEARING AREA OF SPAN 2, BEAM 1.



Span 1 Deck: UNDERSIDE OF THE DECK OVERHANGS, SCATTERED DELAM; TYP



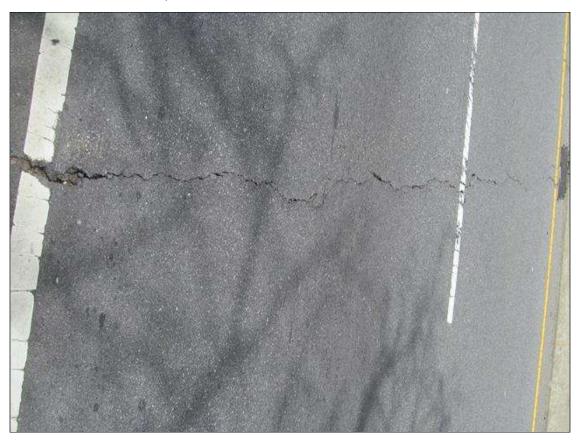
OUTBOARD BEAMS, SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE



Span 1 Deck: UNDERSIDE OF THE DECK, HL TRANSVERSE CRACKING WITH EFFLO STAINING, SCATTERED; TYP



INBOARD BEAMS, SCATTERED FRECKLED CORROSION



Span 1 Wearing Surface: AT THE SPAN ENDS, FULL WIDTH TRANSVERSE CRACKING UP TO 1/4"W



Span 1 Deck: LT DECK OVERHANG, APPROX 1SQFT SPALL WITH EXPOSED RESTEEL, UP TO 1"D.



Span 1 Wearing Surface: AT BENT 1, SCATTERED SPALLING UP TO 2"D ALONG THE JOINT



Span 2 Wearing Surface: AT BENT 2, SCATTERED SPALLING UP TO 2"D ALONG THE JOINT TOTALING APPROX 3SQFT



Span 2 Wearing Surface: SCATTERED MAP CRACKING UP TO 1/16"W



Span 3 Wearing Surface: AT THE NORTH APPROACH, FULL WIDTH TRANSVERSE CRACKING UP TO 1/8"W



NW CORNER, GR FASTENERS ARE LOOSE OR MISSING.



NW CORNER, CONCRETE CURBING HAS DISINTEGRATED EXPOSING RESTEEL FOR APPROX 3'L.



Span 1 Deck: RT & LT ENDS, HORIZONTAL HL CRACKING WITH RUST STAINING, SCATTERED



End Bent 2 Abutment/Backwall: BAY 1, SCATTERED EFFLO STAINING



End Bent 2 Cap 1: RT END OF THE CAP FACE, HORIZONTAL CRACKING UP TO 1/8"W



Span 1 Wearing Surface: AT BENT 1, SCATTERED SPALLING UP TO 2"D ALONG THE JOINT TOTALING APPROX 56SQFT



NBL AT BENT 1, METAL PLATEOVER THE JOINT HAS BEEN EXPOSED IN AREAS OF AWS LOSS.



Span 2 Wearing Surface: AT BENT 2, SCATTERED SPALLING UP TO 2"D ALONG THE JOINT TOTALING APPROX 6SQFT



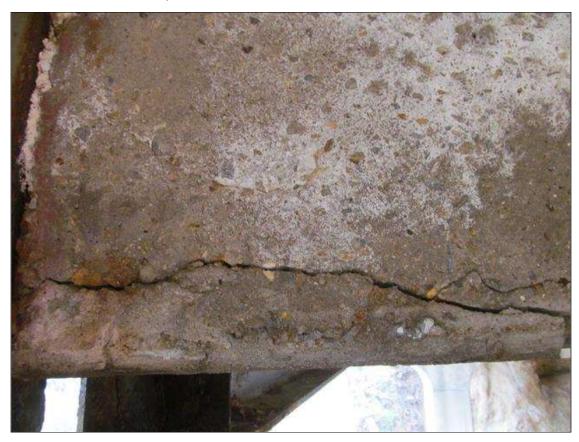
RT RAIL AT BENT 2, RC RAIL REPAIR FOR APPROX 20'L



NE CORNER, CONCRETE CURBING HAS BEEN DAMAGED AND BROKEN EXPOSING RESTEEL FOR APPROX 2'L.



AT BENT 2, CONCRETE END DIAPHRAGMS ARE TYPICALLY CRACKED AND SPALLED EXPOSING RESTEEL. THE OUTBOARD ENDS HAVE DISINTEGRATED EXPOSING THE RESTEEL FULLY.



AT BENT 2, CONCRETE END DIAPHRAGMS ARE TYPICALLY CRACKED AND SPALLED EXPOSING RESTEEL. THE OUTBOARD ENDS HAVE DISINTEGRATED EXPOSING THE RESTEEL FULLY (INBOARD VIEW OF CRACKING).



OUTBOARD BEAM ENDS AT BENT 2 HAVE SURFACE CORROSION WITH PITTING UP TO 1/16" AND LAYERED RUST.



Span 3 Beam 8: BEAM END AT BENT 2 HAS SURFACE CORROSION WITH PITTING UP TO 1/16" AND LAYERED RUST FOR APPROX 2'L.



INBOARD BEAM ENDS AT BENT 2 HAVE SCATTERED SURFACE CORROSION



Bent 2 Cap 1: NORTH FACE, TOP 6" OF CAP, HORIZONTAL CRACKING UP TO 3/16"W IS SCATTERED ALONG THE LENGTH OF THE CAP. THE AREA ABOVE THE CRACKING IS DELAMINATED.



Bent 2 Cap 1: RT AND LT ENDS OF THE CAP, LOWER SIDES, HORIZONTAL AND MAP CRACKING UP TO 1/8"W WITH EFFLO BUILD-UP AND RUST STAINING.



Bent 2 Cap 1: RT AND LT ENDS OF THE CAP, LOWER SIDES, HORIZONTAL AND MAP CRACKING UP TO 1/8"W WITH EFFLO BUILD-UP AND RUST STAINING.



Bent 2 Cap 1: NORTH FACE, TOP 6" OF CAP, HORIZONTAL CRACKING UP TO 3/16"W IS SCATTERED ALONG THE LENGTH OF THE CAP. THE AREA ABOVE THE CRACKING IS DELAMINATED.



Span 3 Beam 1: BEAM END AT BENT 2, CORROSION WITH APPROX 30% SECTION LOSS (AVG 5/16" REMAINS) IN THE LOWER 2" OF THE WEB FOR APPROX 2'L. PMAINT.



Bent 2 Cap 1: LT END OF THE CAP, PATCHED AREA (FORMERLY SPALLED) HAS FAILED EXPOSING THE RESTEEL. THE RESTEEL HAS PITTING UP TO 1/32". THE SPALLED AREA HAS UNDERMINED APPROX 3SQIN OF THE BEARING AREA OF SPAN 2, BEAM 1. THE SPALLED AREA HAS REACHED THE BEARING AREA OF SPAN 3, BEAM 1, BUT HAS NOT YET UNDERMINED IT. PMAINT.



Bent 2 Cap 1: LT END OF THE CAP, PATCHED AREA (FORMERLY SPALLED) HAS FAILED EXPOSING THE RESTEEL. THE RESTEEL HAS PITTING UP TO 1/32". THE SPALLED AREA HAS UNDERMINED APPROX 3SQIN OF THE BEARING AREA OF SPAN 2, BEAM 1. THE SPALLED AREA HAS REACHED THE BEARING AREA OF SPAN 3, BEAM 1, BUT HAS NOT YET UNDERMINED IT. PMAINT.



Bent 2 Cap 1: LT END OF THE CAP, PATCHED AREA (FORMERLY SPALLED) HAS FAILED EXPOSING THE RESTEEL. THE RESTEEL HAS PITTING UP TO 1/32". THE SPALLED AREA HAS UNDERMINED APPROX 3SQIN OF THE BEARING AREA OF SPAN 2, BEAM 1. THE SPALLED AREA HAS REACHED THE BEARING AREA OF SPAN 3, BEAM 1, BUT HAS NOT YET UNDERMINED IT. PMAINT.



Bent 2 Cap 1: LT END OF THE CAP, PATCHED AREA (FORMERLY SPALLED) HAS FAILED EXPOSING THE RESTEEL. THE RESTEEL HAS PITTING UP TO 1/32". THE SPALLED AREA HAS UNDERMINED APPROX 3SQIN OF THE BEARING AREA OF SPAN 2, BEAM 1. THE SPALLED AREA HAS REACHED THE BEARING AREA OF SPAN 3, BEAM 1, BUT HAS NOT YET UNDERMINED IT. PMAINT.



Bent 2 Cap 1: NORTH FACE, TOP 6" OF THE CAP AT BAYS 2-3, HORIZONTAL SPALLING, APPROX 10'L X 3"W X UP TO 2"D. THE AREA ABOVE HAS DELAMINATED.



BENT 2 RT END, VIEW OF PREVIOUS REPAIR



Bent 2 Cap 1: SOUTH FACE, TOP OF THE CAP AT BEAMS 4-5, HORIZONTAL SPALLING, APPROX 5'L X 3"W X UP TO 4"D EXPOSING THE RESTEEL.



Bent 2 Cap 1: SOUTH FACE OF THE CAP, MAP CRACKING UP TO 1/8"W WITH EFFLOL STAINING, SCATTERED.



BENT 2, VIEW OF SPALLED CONCRETE END DIAPHRAGMS (LT OUTBOARD END)



Bent 1 Cap 1: NORTH FACE AT BAY 1, TOP 4" OF THE CAP, HORIZONTAL SPALLING WITH EXPOSED RESTEEL, APPROX 4'LX 3"W X UP TO 3"D.



Bent 1 Cap 1: NORTH FACE, HORIZONTAL CRACKING UP TO 3/16"W WITH EFFLO AND RUST STAINING, SCATTERED.



Bent 1 Cap 1: NORTH FACE, HORIZONTAL CRACKING UP TO 3/16"W WITH EFFLO AND RUST STAINING, SCATTERED.



Bent 2 Pile 1: COLUMN CORNERS, VERTICAL CRACKING UP TO 3/8"W RUNS APPROX 3/4 OF THE HEIGHT. APPROX 5SQFT OF DELAM IS ADJACENT TO THE CRACKING.



Bent 2 Pile 1: COLUMN CORNERS, VERTICAL CRACKING UP TO 3/8"W RUNS APPROX 3/4 OF THE HEIGHT. APPROX 5SQFT OF DELAM IS ADJACENT TO THE CRACKING.



BENT 2, LOWER STRUTS HAVE HORIZONTAL CRACKING UP TO 1/4"W AT THE CORNERS.



Bent 2 Pile 2: AT THE CORNERS, VERTICAL CRACKING UP TO 1/8"W, SCATTERED ALONG THE HEIGHT.



Bent 2 Pile 3: AT THE CORNERS, VERTICAL CRACKING UP TO 1/8"W, SCATTERED ALONG THE HEIGHT.



ABUT 1



TYP BEARING AT THE ABUTS



RC WING, FOUR CORNERS



SOUTH APPROACH, NBL



SOUTH APPROACH, TRANSITION FROM RC BARRIER TO RC MEDIAN RAIL. NORTH APPROACH IS SIMILAR.



SE CORNER, GR TIED TO EXTENDED RAIL RUN



SOUTH APPROACH, SBL



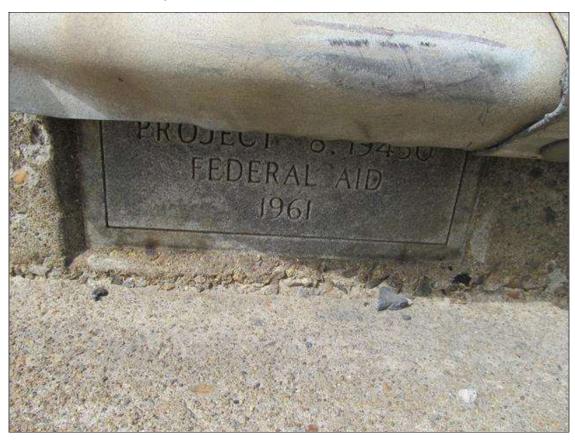
NE CORNER, NO GR



LOOKING SOUTH, SBL



LOOKING NORTH, SBL



NW CORNER, DATA PLATE



SE & NW CORNERS, TYP GR CONNECTION



NW CORNER, GR TIED TO EXTENDED RAIL RUN



NORTH APPROACH, SBL



ABUT 2



LOOKING SOUTH, NBL



LOOKING NORTH, NBL



NORTH APPROACH, NBL

Structure: 430095 County: HAYWOOD Date: 03/07/2017 Structure Photos



NE CORNER, NO GR



TYP BEARINGS AT BENTS

Structure: 430095 County: HAYWOOD Date: 03/07/2017 Structure Photos



BENT 2



LOOKING WEST

Structure: 430095 County: HAYWOOD Date: 03/07/2017 Structure Photos



LOOKING EAST



BENT 1

NATIONAL BRIDGE INVENTORY------ STRUCTURE INVENTORY AND APPRAISAL Run Date: 10/24/2017

IDENTIFICATION			
(1) STATE NAME -NORTH CAROLINA BRIDGE	430095	SUFFICIENCY RATING =	38.21
(8) STRUCTURE NUMBER(FEDERAL) 000	000000870095	STATUS = Structurally Deficient	
(5) INVENTORY ROUTE (ON/UNDER) - ON	27000740		
(2) STATE HIGHWAY DEPARTMENT DISTRICT	2		— CODE
(3) COUNTY CODE 87 (4) PLACE CODE	13280	(112)NBIS BRIDGE SYSTEM -	YES
(6) FEATURE INTERSECTED - SOUTHERN RAILROAD		(104)HIGHWAY SYSTEM Is on the NHS	1
(7) FACILITY CARRIED US74		(26) FUNCTIONAL CLASS - Artierial - Other	12
(9) LOCATION .3 MI.N.JCT.US19,23,74		(100)STRAHNET HIGHWAY - Non-Interstate STRAHNET Route	2
(11)MILEPOINT	0	(101)PARALLEL STRUCTURE - No Parallel Structure	N
(16)LAT 35° 31' 58.19" (17)LONG 82° 55' 18	.96"	(102)DIRECTION OF TRAFFIC - 2-way Traffic	2
(98)BORDER BRIDGE STATE CODE PCT SHA	RE	(103)TEMPORARY STRUCTURE -	
(99)BORDER BRIDGE STRUCTURE NO		(110)DESIGNATED NATIONAL NETWORK - On the National Network	1
		(20) TOLL On Free Road	3
		(31) MAINTAIN - State Highway Agency	01
(43) STRUCTURE TYPE MAIN: Steel		(22) OWNER - State Highway Agency	01
TYPE - Stringer Mutlibeam or Girder	CODE 302	(37) HISTORICAL SIGNIFICANCE - Not Eligible	5
(44) STRUCTURE TYPE APPR :		· ,	
TYPE -	CODE 000		— CODE
(45) NUMBER OF SPANS IN MAIN UNIT	3	(58) DECK	6
(46) NUMBER OF APPROACH SPANS	,	(59) SUPERSTRUCTURE	6
(107)DECK STRUCTURE TYPE - 1	CODE	(60) SUBSTRUCTURE	4
(108)WEARING SURFACE / PROTECTIVE SYSTEM:		(61) CHANNEL & CHANNEL PROTECTION	N
(A) TYPE OF WEARING SURFACE -	CODE	(62) CULVERTS	N
(B) TYPE OF MEMBRANE -	CODE	•	
(C) TYPE OF DECK PROTECTION -	CODE	LOAD RATING AND POSTING	— CODE ·
(6) 111 2 61 22611 116 126 11611		(31) DESIGN LOAD HS 20 + MOD	6
AGE AND SERVICE		(63) OPERATING RATING METHOD - Load Factor	1
(27) YEAR BUILT	1961	(64) OPERATING RATING - HS-32	57
(106)YEAR RECONSTRUCTED	1989	(65) INVENTORY RATING METHOD - Load Factor	1
(42) TYPE OF SERVICE : ON - Highway	1000	(66) INVENTORY RATING - HS-19	34
UNDER - Railroad	CODE 12	(70) BRIDGE POSTING - No Posting Required	5
(28) LANES: ON STRUCTURE 4 UNDER STRUCTURE	0	(41) STRUCTURE OPEN, POSTED ,OR CLOSED	Α
(29) AVERAGE DAILY TRAFFIC	27000	DESCRIPTION - Open, No Restriction APPRAISAL	— CODE
(30) YEAR OF ADT 2014 (109) TRUCK ADT PCT	12%	(67) STRUCTURAL EVALUATION	— CODE 4
(19) BYPASS OR DETOUR LENGTH	7 MI	(68) DECK GEOMETRY	3
. ,	7 1011		6
GEOMETRIC DATA (48) LENGTH OF MAXIMUM SPAN	53 FT	(69) UNDERCLEARANCES, VERTI & HORIZ (71) WATERWAY ADEQUACY	N
(49) STRUCTURE LENGTH	132 FT	(72) APPROACH ROADWAY ALIGNMENT	8
(50)CURB OR SIDEWALK: LEFT 1.5 FT RIGHT	1.5 FT	(36) TRAFFIC SAFETY FEATURES	0111
(51) BRIDGE ROADWAY WIDTH CURB TO CURB	56 FT	(113)SCOUR CRITICAL BRIDGES	N
(52) DECK WIDTH OUT TO OUT	61.33 FT		IN
	57 FT	PROPOSED IMPROVEMENTS	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		(75) TYPE OF WORK - COD	ÞΕ
(33) BRIDGE MEDIAN - No Median		(76) LENGTH OF STRUCTURE IMPROVEMENT	
(34) SKEW 12° (35) STRUCTURE FLARED	000.0.5	(94) BRIDGE IMPROVEMENT COST	
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9 FT	(95) ROADWAY IMPROVEMENT COST	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	27 FT	(96) TOTAL PROJECT COST	
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(54) MIN VERT UNDERCLEAR REF Railroad	34.333 FT	(114)FUTURE ADT 54000 (115) YEAR FUTURE ADT	2025
(55) MIN LAT UNDERCLEAR RT REF Railroad	15.5 FT		
(56) MIN LAT UNDERCLEAR LT REF -			00/07/0047
	000 FT	(90) INSPECTION DATE	03/07/2017
NAVIGATION DATA	000 F1	(00) 0515	
	CODE N	(92) CRITICAL FEATURE INSPECTION: (93) CFI DA	
NAVIGATION DATA		(92) CRITICAL FEATURE INSPECTION: (93) CFI DA A) FRACTURE CRIT DETAIL - NO A)	
—NAVIGATION DATA ——————————————————————————————————	CODE N	(92) CRITICAL FEATURE INSPECTION: (93) CFI DA A) FRACTURE CRIT DETAIL - NO A) B) UNDERWATER INSP - NO B)	
	CODE N	(92) CRITICAL FEATURE INSPECTION: (93) CFI DA A) FRACTURE CRIT DETAIL - NO A)	

Structure No: 430095 County: HAYWOOD Run Date:

			rtical					C			Fraffic	ance		See Not	e 1				et e	3
Span Number	Feature Intersected	Inventory Route	Minimum Maximum Vel Clearance	Milepoint	Base Highway Network	LRS Inventory Route	Toll	Functional Classification	Numer of Lanes	Average Daily Traffic	Year of Average Daily	Total Horizontal Clear	Reference Feature	Minimum Vertical Underclearance	Right Lateral Underclearance	Left Lateral Underclearance	_ `	STRAHNET I	Direction of Traffic Highway System of Route	o manay oyatan o
	6	5	10	11	12	13	20	26	28	29	30	47	54A	54	55	56	69	100	102 10)4
2	RAILROAD	80000000		0					0	0	0		R	34.33	15.5		9			

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Run Date: 10/24/2017

COUNTY: DIVISION: DISTRICT: STRUCTURE NUMBER: LENGTH:

HAYWOOD 14 2 430095 132 FEET

ROUTE CARRIED: FEATURE INTERSECTED:

US74 SOUTHERN RAILROAD

LOCATED: BRIDGE NAME:

.3 MI.N.JCT.US19,23,74 CITY:

*CLYDE

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

12 FA NFA 27000 2014 LT 111 RT 111

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

1961 SHC 8.19430 F 16(13) HS 20 + MOD

REHAB: BY: PROJ: ALIGNMENT: SKEW: LANES:

1989 5.9431007 TAN 78 ON 4 UNDER 0

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

VC 0 FT HC 0 FT 0 FT 0 FT

SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE: E.BTS:RC CAPS/H-PILES;INT.BTS:RC POST&BEAM

SPANS: 1 @ 54'; 1 @ 35'; 1 @ 42'-6

BEAMS OR GIRDERS: 8 LINES 33 I-BEAMS @ VAR. CENTERS

FLOOR: ENCROACHMENT: DECK (OUT TO OUT):

7.75 RC/2 AWS 61.33 FT

CLEAR ROADWAY: BETWEEN RAILS: SIDEWALK OR CURB:

56 FT 59 FT LT 1.5 FT RT 1.5 FT

VERT.CL.OVER: 999.9 FT

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

HS-19 HS-32 Int.bmsSpC SV TTST DATE

SYSTEM: GREEN LINE ROUTE:

Primary U.S. Route Y

UNDER ROUTES AND CLEARANCES

		Vertical C	learances	Horizo	rances	
Span	Route Description	MMVC	MVC	Total	Left	Right
2	RAILROAD	0	34.3330	0	0	15.50

Note: All measurements are in feet.

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430095 County HAYWOOD Date: 03/07/2017

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost				
3120	Repair/Maintain Barriers	LF	2	NW CORNER, GR CONNECTION BOLTS (FROM GTO STRUCTURE) ARE MISSING/LOOSE					
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 1: BEAM END AT BENT 2, CORROSION WITH APPROX 30% SECTION LOSS (AVG 5/16" REMAINS) IN THE LOWER 2" OF THE WEB FOR APPROX 2'L. PMAINT.					
3348	Maintain Concrete Substructure Components	LF	3	Bent 2 Cap 1: LT END OF THE CAP, PATCHED AREA (FORMERLY SPALLED) HAS FAILED EXPOSING THE RESTEEL. THE RESTEEL HAS PITTING UP TO 1/32". THE SPALLED AREA HAS UNDERMINED APPROX 3SQIN OF THE BEARING AREA OF SPAN 2, BEAM 1. THE SPALLED AREA HAS REACHED THE BEARING AREA OF SPAN 3, BEAM 1, BUT HAS NOT YET UNDERMINED IT. PMAINT.					



BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430095 County HAYWOOD

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

MMS Code	MMS Des	cription	Quantity						
3120	Repair/Ma	ntain Barriers	2 LF						
Location:	Location:								
Left Rail	NER GR								
Priority Level									
Priority Maint									
Submitted Da	ate: Subm	itted By: Assisted B	y:						
03/13/2017	ERI	A, PATTERSON KEITH PR	KEITH PROCTOR						
Details									
NW CORNE	R, GR CON	NECTION BOLTS (FROM GTO STRUCTURE) A	RE MISSING/LOOSE						

MMS Code	MN	MMS Description Quantity						
3314	Mai	ntain Stee	ntain Steel Superstructure Components 2 LF					
Location:								
Bent/Span No.								
Priority Leve	evel Status							
Priority Maintenance Division Bridge Maintenance Notification								
Submitted D	ate:	Submitte	d By:	Assisted By:				
03/08/2017		ERIC A.	. PATTERSON					
Details								
			O AT BENT 2, CORROSION WITH 2" OF THE WEB FOR APPROX 2	APPROX 30% SECTION LOSS (AV L. PMAINT.	G 5/16"			

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430095 County HAYWOOD

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

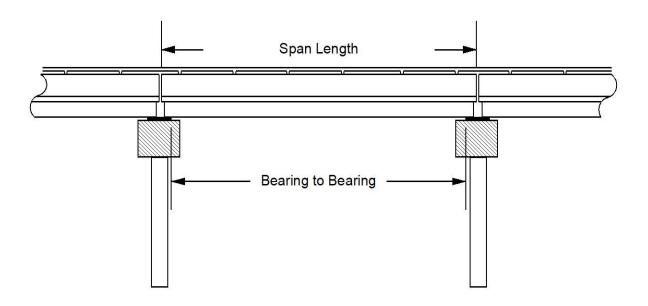
MMS Code	MN	1S Descrip		Quantity				
3348	Mair	ntain Cond		3	LF			
Location:								
	Bent/Span No.							
Priority Level Status								
Priority Mair	Priority Maintenance Division Bridge Maintenance Notification							
Submitted D	ate:	Submitte	d By:	Assisted By:				
03/08/2017		ERIC A	. PATTERSON					
Details								
RESTEEL. OF THE BE	THE R	ESTEEL I 3 AREA O	HAS PITTING UP TO 1/32". THE S	MERLY SPALLED) HAS FAILED EXF PALLED AREA HAS UNDERMINED D AREA HAS REACHED THE BEAF AINT.	APPROX 3	SQIN		



NW CORNER, GR CONNECTION BOLTS (FROM GTO STRUCTURE) ARE MISSING/LOOSE

Structure Data Worksheet

County: HAYWOOD Structure No: 430095 Date: 03/07/2017 Inspected By: EP



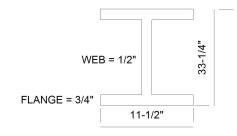
Span No	Span Length	Bearing to Bearing	Comments
1	54'	52.167'	
2	35'	34'	
3	42.5'	40.67'	NBIS = 126.5'

Deck Width/Out to Out	61.33ft*	Betwe	Between Rails				
Clear Roadway	56ft	Wearii	ng Surface			0.167ft	
Median Width	2ft	Media	Median Height				
Curb Height		Left	0.583ft	Right	0.58	33ft	
Sidewalk Width	Left		Right				
Clear Roadway (Rail to Me	dian)	Left		Right			
Guardrail Width		Left	0.67ft	Right	0.67	ft	
Top of Rail to Deck/Wearin	Left	2.5ft	Right	2.5f	t		
Bridge Rail	Left	Type 11	Right	Тур	e 11		

Measurements for Span #	3		
Deck Thickness	0.646	Left Overhang	4.167
Top of Rail to Bottom of Beam	6	Right Overhang	4.167

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

TYP BEAM



REVISED BY KEITH PROCTOR ON 3-7-2017 (* DENOTES CHANGE)

Title		Description						
SUPERSTRUCTURE		TYPICAL SECTION						
Bridge No: 430095	Drawn By: DAVID SANDERS		Date: 3/31/15	File Name: \$0118076636				

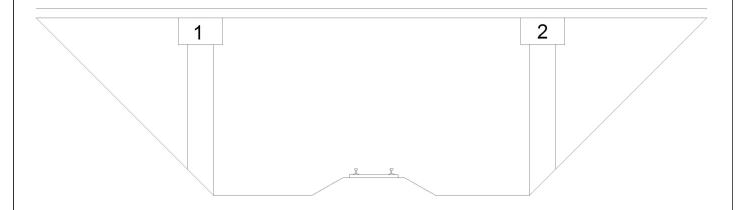
	Le	eft Lanes			
Roadway	24ft Wide	2 Paved Lanes	South Bound		
Right Shoulder	3ft Wide	3ft Paved			
Left Shoulder	1.5ft Wide	1.5ft Paved			
Right Guardrail	3ft from road				
Left Guardrail					
Median	2ft Wide	3ft High			
	Ri	ght Lanes			
Roadway	24ft Wide	2 Paved Lanes	North Bound		
Left Shoulder	1.5ft Wide	1.5ft Paved			
Right Shoulder	3.667ft Wide	3.167ft Paved	0.5ft Unpaved		
Left Guardrail					
Right Guardrail	3.67ft from road				

MEASUREMENTS TAKEN APPROX 10' BACK FROM THE STRUCTURE AT THE SOUTH APPROACH

VERIFIED BY KEITH PROCTOR ON 3-7-2017

Title		Descri	ption			
APPROACH		SOUTH APPROACH				
Bridge No: 430095	Drawn By: DAVID SANDERS		Date: 3/31/15	File Name: \$0118076637		

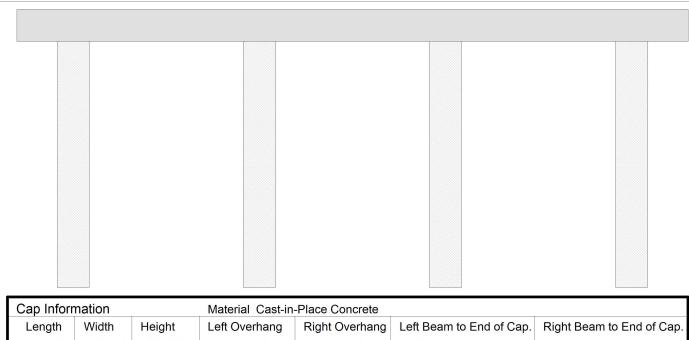
VERIFIED BY DAVID SANDERS 3/31/15



Measurements Under Span 2 (of 3)							
Rail to Rail	4ft	1 set of tracks	Looking: WEST				
Vertical Clearance	34.333ft	Measured from rail 1	at Beam # 1				
Distance to Left Bent	16ft						
Distance to Left Toe of Slope							
Distance to Right Bent	15.5ft						
Distance to Right Toe of Slope							

VERIFIED BY KEITH PROCTOR ON 3-7-2017

Title			Description				
UNDERCLEARANCE		RR CLEARANCE					
Bridge No: 430095	Drawn By: DAVID SANDERS		Date: 3/31/15	File Name:S0118076638			



Cap Information Material Cast-in-Place Concrete											
Lengt	th Width	Height	Left Over	hang	Right Overhang L		Left Beam to End of Cap.		nd of Cap. F	Right Beam to End of Cap.	
57.667	ft. 2.750 ft.	2.750 ft.	4.830	ft.	4.830 ft.		1.417 ft.			1.417 ft.	
Subcap Information Material											
Lengt	th Width	Height	Left Over	hang	Right Overhang Left I		ft Pile to	t Pile to Splice.			
Sill Info	ormation		Material			,					
Length Width Height											
Pile#	Material	Spacing	Width/Dia.	Height	Length	Orientat	ion Driv	ven?	Replaceme	nt? Removed?	Collar?
1	Concrete	16 ft.	2.75 ft.	2.75 ft.		Vertical	N	lo	No	No	No
2	Concrete	16 ft.	2.75 ft.	2.75 ft.		Vertical	N	lo	No	No	No
3	Concrete	16 ft.	2.75 ft.	2.75 ft.		Vertical	N	lo	No	No	No
4	Concrete		2.75 ft.	2.75 ft.		Vertical	N	lo	No	No	No
Dorst/A	.butment #:		Similar I		2						

TitleDescriptionSUBSTRUCTUREBENTS 1-2

Bridge No: 430095 Drawn By: ERIC A. PATTERSON Date: 3/13/2017 File Name: S0438000115