NC DEPARTMENT OF TRANSPORTATION ATTENT DIVISION OF HIGHWAYS STRUCTURE MANAGEMENT UNIT	ION: Prompt Action Request; Typical Section Sketch Modified				
Structure Safe	ety Report				
Routine Element Inspection DATE:	ection - Contract 05/05/2021				
DIVISION: 9 COUNTY: DAVIDSON STRUCTURE	IUMBER:         280115         FREQUENCY:         24 MONTHS				
FACILITY CARRIED: SR1711	MILE POST:				
LOCATION: 0.2 MI. E. JCT. SR2932					
FEATURE INTERSECTED: WINSTON SALEM SB.RR.					
LATITUDE: <u>35° 58' 28.96"</u> LONGITUDE: <u>80° -</u>	3' 19.58"				
STEEL PLANK DECK ON SALVAGED I-BEAMS SUPERSTRUCTURE:					
SUBSTRUCTURE:					
SPANS: 3 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAIL	S				
FRACTURE CRITICAL TEMPORARY SHORING SCOUR CRITICAL SCOUR PLAN OF ACTION					
GRADES: (Inspector/NBI Coding) DECK 4/4 SUPERSTRUCTURE 5/5 SUBSTRUCTURE 5/5 CULVERT N/N					
POSTED SV: 32 POS	STED TTST: 32				

## OTHER SIGNS PRESENT: (4) Delineators



S i	ign notice issued for	d	N Re	lumber equired
	NO	WEIGHT LIMIT		0
	NO	DELINEATORS		0
	NO	NARROW BRIDGE		0
	NO	ONE LANE BRIDGE		0
_	NO	LOW CLEARANCE	_	0



DIRECTION MATCHES PLANS

## Looking East

INSPECTED BY Jonathan M. Simpson

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

07/08/2021

IDENTIFICATION			
(1) STATE NAME NORTH CAROLINA BRIDGE	28011	5 SUFFICIENCY RATING 10	6.36
(8) STRUCTURE NUMBER (FEDERAL)	057011	5 STATUS = Structurally Defici	ent
(5) INVENTORY ROUTE (ON/UNDER) ON	13101711	0 CLASSIFICATION COD	Ε
(2) STATE HIGHWAY DEPARTMENT DISTRICT		9 (112) NBIS BRIDGE SYSTEM	YES
(3) COUNTY CODE (FEDERAL) 57 (4) PLACE CODE	7500	0 (104) HIGHWAY SYSTEM Inventory Route not on NHS	0
(7) FACILITY CARRIED SR1711		(26) FUNCTIONAL CLASS Urban Collector	17
(9) LOCATION 0.2 MI. E. JCT. SR2932		(100) STRAHNET HIGHWAY Not a STRAHNET Route	0
(11) MILEPOINT	0.	0 (101) PARALLEL STRUCTURE No parallel structure exists	N
(12) BASE HIGHWAY NETWORK	(	0 (102) DIRECTION OF TRAFFIC 2-way traffic	2
(13) LRS INVENTORY ROUTE & SUBROUTE		(103) TEMPORARY STRUCTURE Temporary Structure or Conditions	т
(16) LATITUDE <b>35° 58' 28.96</b> " (17) LONGITUDE	80° 13' 19.58	(110) DESIGNATED NATIONAL NETWORK - on national network for trucks	
(99) BORDER BRIDGE STRUCTURE NUMBER			2
			3
STRUCTURE TYPE AND MATERIAL		(21) MAINT -	01
(43) STRUCTURE TYPE MAIN	Stee	el (22) OWNER -	01
TYPE Stringer/Multi-beam or girder C	CODE <b>30</b> 2	2 (37) HISTORICAL SIGNIFICANCE -	5
(44) STRUCTURE TYPE APPROACH		CONDITION COD	Έ
TYPE C	CODE	(58) DECK	4
(45) NUMBER OF SPANS IN MAIN UNIT	:	3 (59) SUPERSTRUCTURE	5
(46) NUMBER OF SPANS IN APPROACH	(	0 (60) SUBSTRUCTURE	5
(107) DECK STRUCTURE TYPE	CODE	6 (61) CHANNEL & CHANNEL PROTECTION	Ν
(108)WEARING SURFACE/PROTECTIVE SYSTEM		(62) CULVERTS	Ν
(A) TYPE OF WEARING SURFACE C	CODE	6 LOAD RATING AND POSTING COD	Ε
(B) TYPE OF MEMBRANE C	CODE	0 (31) DESIGN LOAD Unknown	0
(C) TYPE OF DECK PROTECTION C	CODE	0 (63) OPERATING RATING METHOD - Load Factor	1
		(64) OPERATING RATING - HS-19	34
(27) YEAR BUILT	1975	5 (65) INVENTORY RATING METHOD -	1
(106) YEAR RECONSTRUCTED	(	0 (66) INVENTORY RATING HS-7	13
(42) TYPE OF SERVICE ON -	Highway	y (70) BRIDGE POSTING Posting Required	4
OFF - Railroad C	CODE 12	2 (41) STRUCTURE OPEN. POSTED. OR CLOSED	Р
(28) LANES ON STRUCTURE 2 LANES UNDER STRUCTU	JRE (	DESCRIPTION Posted for Load	
(29) AVERAGE DAILY TRAFFIC	5900		
(30) YEAR OF ADT <b>2040</b> (109) TRUCK ADT PCT	-	7 (67) STRUCTURAL EVALUATION	<u>د</u>
(19) BYPASS OR DETOUR LENGTH	11.0	0 (68) DECK GEOMETRY	2
GEOMETRIC DATA		(69) UNDERCI FARANCES, VERT & HORIZ	4
(48) LENGTH OF MAXIMUM SPAN	50.0		2
(49) STRUCTURE LENGTH	125.0		3
(50) CURB OR SIDEWALK: LEFT 0.3 RIGHT	0.3	(72) APPROACH ROADWAY ALIGNMENT	2
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB	27.8	B (36) TRAFFIC SAFETY FEATURES U	0000
	28.3	3 (113) SCOUR CRITICAL BRIDGES	Ν
(32) APPROACH ROADWAY WITH (W/ SHOULDERS) (33) BRIDGE MEDIAN	26.0		-
(33) SKEW 31 (35) STRUCTURE FLARED		0 (75) TYPE OF WORK CODE	
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9	(76) LENGTH OF STRUCTURE IMPROVEMENT	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	27.	8 (94) BRIDGE IMPROVEMENT COST	
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.	9 (95) ROADWAY IMPROVEMENT COST	
(54) MIN VERT UNDERCLEAR: REFERENCE R	23.	3 (96) TOTAL PROJECT COST	
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE R	10.0	(97) YEAR OF IMPROVEMENT COST ESTIMATE	
		(114) FUTURE ADT 11,800 YEAR OF FUTURE ADT 2	2040
NAVIGATION DATA			
(38) NAVIGATION CONTROL - C	ODE N	(90) INSPECTION DATE 05/21 (91) FREQUENCY	24
(111) PIER PROTECTION C	ODE	(92) CRITICAL FEATURE INSPECTION (93) CFI DATE	
(39) NAVIGATION VERTICAL CLEARANCE	0.0	a) FRACTURE CRIT DETAIL	
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR	0.0	B) UNDERWATER INSP B)	
(40) NAVIGATION HORIZONTAL CLEARANCE	0.0	C) OTHER SPECIAL INSP C)	
		SCOUR	

Structure Number 280115

Note: 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.

## **Superstructure Build Details**

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	972	Square Feet		
2	Steel Rail	Metal Bridge Railing	70	Feet	Unknown	246
12	Plate Girder	Steel Open Girder/Beam	408	Feet	Legacy Red Lead Primer Systems with Various Topcoats	2364
1	Steel Deck Corrugated	Steel Deck Corrugated/Orthotropic/Etc.	983	Square Feet	Galvanized Protective System	983
24	Other Bearing	Other Bearings	24	Each	Legacy Red Lead Primer Systems with Various Topcoats	24
Span Number 2         Span Length         50.0000         Skew         59.0000						1

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Steel Deck Corrugated	Steel Deck Corrugated/Orthotropic/Etc.	1404	Square Feet	Galvanized Protective System	1404
12	Plate Girder	Steel Open Girder/Beam	600	Feet	Legacy Red Lead Primer Systems with Various Topcoats	4272
1	Asphalt Wearing Surface	Wearing Surface	1388	Square Feet		
2	Steel Rail	Metal Bridge Railing	100	Feet	Unknown	350
24	Other Bearing	Other Bearings	24	Each	Legacy Red Lead Primer Systems with Various Topcoats	24
Span Nu	mber 3 Span	Length 40,000		Sk	aw 50,0000	

Quantity

(Sq Ft)

24

280

1124

3048

Systems with Various Topcoats

Span Number 3 Span Length <u>40.0000</u> Skew 59.0000 Number of Items **Type of Component Element Name** Quantity **Protective System Applied** 1 Asphalt Wearing Surface Wearing Surface 1110 Square Feet 24 Legacy Red Lead Primer Other Bearing Other Bearings 24 Each Systems with Various Topcoats 2 Steel Rail Metal Bridge Railing Feet Unknown 80 1 Steel Deck Corrugated Steel Deck 1124 Square Feet Galvanized Protective System Corrugated/Orthotropic/Etc. 12 Plate Girder Steel Open Girder/Beam 468 Feet Legacy Red Lead Primer

## Span Number 1 Span Length 35.0000 Skew 59.0000

# **Structure Element Scoring**

#### Structure Number: 280115

# Inspection Date 5/5/2021

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
30	0	Steel Deck Corrugated/Orthotropic/Etc.	Deck	3511	2303	0	1200	8
515	30	Steel Protective Coating	Deck	3511	2311	0	0	1200
107	0	Steel Open Girder/Beam	Beam	1476	840	218	377	41
515	107	Steel Protective Coating	Beam	9684	8542	662	20	460
202	0	Steel Column	Piles and Columns	8	0	7	0	1
515	202	Steel Protective Coating	Piles and Columns	944	597	210	0	137
215	0	Reinforced Concrete Abutment	Abutments	68	4	25	37	2
231	0	Steel Pier Cap	Caps	136	59	65	10	2
515	231	Steel Protective Coating	Caps	788	566	40	0	182
316	0	Other Bearings	Bearing Device	72	17	55	0	0
515	316	Steel Protective Coating	Bearing Device	72	17	29	0	26
330	0	Metal Bridge Railing	Bridge Rail	250	15	235	0	0
515	330	Steel Protective Coating	Bridge Rail	876	476	0	0	400
510	0	Wearing Surface	Wearing Surfaces	3470	1597	65	1808	0

# **Summary of Maintenance Needs**

Maintenance By Defect

#### Structure Number: 280115

Inspection Date: 05/05/2021

MMS Code	Element Name	Defect Name	Recommended Quantity
3328	Steel Deck Corrugated/Orthotropic/Etc.	Corrosion	1208 Square Feet
3314	Steel Open Girder/Beam	Corrosion	416 Feet
3354	Steel Column	Corrosion	1 Each
3354	Steel Column	Connection	1 Each
3350	Reinforced Concrete Abutment	Cracking (RC and Other)	32 Feet
3350	Reinforced Concrete Abutment	Delamination/Spall	23 Feet
3350	Reinforced Concrete Abutment	Exposed Rebar	4 Feet
3350	Reinforced Concrete Abutment	Scour	2 Feet
3354	Steel Pier Cap	Corrosion	12 Feet
3334	Other Bearings	Connection	1 Each
3322	Metal Bridge Railing	Connection	1 Feet
2816	Wearing Surface	Patched Area/Pothole (Wearing Surface)	150 Square Feet
2816	Wearing Surface	Crack (Wearing Surface)	1658 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	2797 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	581 Square Feet

# **Element Structure Maintenance Quantities**

Structure Number: 280115 Inspection Date 05/05/2021							<u>2021</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	61	68	2	37	25	4
Beam	3314	Maintenance Steel Superstructure Components	416	1476	41	377	218	840
Beam	3342	Clean and Paint Steel	1142	9684	460	20	662	8542
Bearing Device	3334	Bridge Bearing	1	72	0	0	55	17
Bearing Device	Bearing Device 3342 Clean and Paint Steel				26	0	29	17
Bridge Rail	idge Rail 3322 Maintenance of Steel Bridge Rail			250	0	0	235	15
Bridge Rail	3342	Clean and Paint Steel	400	876	400	0	0	476
Caps	3342 Clean and Paint Steel			788	182	0	40	566
Caps	3354	Maintenance of Steel Substructure Components	12	136	2	10	65	59
Deck	3328	Maintenance of Steel Plank Bridge Floor	1208	3511	8	1200	0	2303
Deck	3342	Clean and Paint Steel	1200	3511	1200	0	0	2311
Piles and Columns	3342	Clean and Paint Steel	347	944	137	0	210	597
Piles and Columns	3354	Maintenance of Steel Substructure Components	2	8	1	0	7	0
Wearing Surfaces	2816	Asphalt Surface Repair	1808	3470	0	1808	65	1597

# **Priority Actions Request**

Structure Nur	nber 280115		
Span1			
3328	Deck	Steel Deck Co	rrugated
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 1 Deck: 1 SF RUST SCALE WITH 100% LOSS OF SECTION AND
2	Corrosion	1	Span 1 Deck: 1 SF RUST SCALE WITH 100% LOSS OF SECTION AND CONCRETE DECK EXPOSED BETWEEN BEAMS 9 AND 10 AT BENT 1 (PAR)
2	Corrosion	1	Span 1 Deck: 1/2 SF RUST SCALE WITH 1/8" REMAINING BEAMS 11 AND 12 AT BENT 1. (PAR)
2	Corrosion	1	Span 1 Deck: 1/2 SF RUST SCALE WITH 100% LOSS OF SECTION AND CONCRETE DECK EXPOSED BETWEEN BEAMS 8 AND 9 AT BENT 1. (PAR)
3314	Beam 5	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 1 Beam 5: 20" x 3 1/3" area of section loss with knife edge remaining on right side of top flange at Bent 1 (PAR)
3314	Beam 6	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 1 Beam 6: 20" OF RUST SCALE ON NORTH AND SOUTH EDGE OF TOP FLANGE WITH1/8" REMAINING AT BENT 1. (PAR)
3314	Beam 7	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 1 Beam 7: 14" x 3" area of 1/4" section loss (1/4" remaining) on both sides of
2	Corrosion	2	Span 1 Beam 7: 18" x 3" area of 1/8" section loss (3/8" remaining) on both sides of bottom flange at Bent 1 (PAR)
Span2			
3314	Beam 6	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	3	Span 2 Beam 6: 30" x 3" area of 1/8" section loss (3/8" remaining) on right side of top flange at Bent 2 (PAR)
3314	Beam 7	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 2 Beam 7: 20" x 2" area of 1/8" section loss (3/8" remaining) on both sides of top flange at Bent 2 (PAR)
2	Corrosion	2	Span 2 Beam 7: 24" x 4" area of 1/4" section loss (1/4" remaining) on both sides of top flange at Bent 1 (PAR)
? Priority A	Action Request (PAR)	Assigned Routine	e Maintenance 2 Assigned Priority Maintenance 3 Assigned Critical Find

# **Priority Actions Request**

Structure Number 280115

#### Span3

3328	Deck	Steel Deck Co	rrugated
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 3 Deck: 2 SF OF RUST SCALE WITH UP TO 100% LOSS OF SECTION AND CONCRETE DECK EXPOSED BETWEEN BEAMS 6 AND 7, 6' FROM BENT 2. (PAR)
3314	Beam 6	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 3 Beam 6: 15" x 2 1/2" area of 1/8" section loss (3/8" remaining) on both sides of top flange at Bent 2 (PAR)
2	Corrosion	3	Span 3 Beam 6: 32" x 3" area of 1/8" section loss (3/8" remaining) on right side of top flange, 10' from Bent 2 (PAR)
2	Corrosion	3	Span 3 Beam 6: 4' RUST SCALE BOTTOM FLANGE UP TO 8" IN WEB WITH 1/4" REMAINING IN BOTTOM FLANGE AT END BENT 2. (PAR)
3314	Beam 7	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 3 Beam 7: 15" x 1" area of 1/8" section loss (3/8" remaining) on left side of top flange, 6' from End Bent 2 (PAR)
2	Corrosion	2	Span 3 Beam 7: 18" x 2" area of 1/8" section loss (3/8" remaining) on both sides of top flange at Bent 2 (PAR)
2	Corrosion	3	Span 3 Beam 7: 32" RUST SCALE TOP FLANGE WITH SECTION LOSS TO KNIFE'S EDGE ON SOUTH TOP FLANGE AND 9" x 1" area of 100% section loss ON BOTH SIDES OF TOP FLANGE AT END BENT 2. (PAR)
3314	Beam 11	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	7	Span 3 Beam 11: 7' x 2" area of 1/8" section loss (3/8" remaining) on both sides of

3314	Beam 12	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 3 Beam 12: 20" x 1 1/2" area of 1/8" section loss (3/8" remaining) on both sides of top flange, 11' from End Bent 2 (PAR)
2	Corrosion	1	Span 3 Beam 12: 6" x 2" area of 1/8" section loss (3/8" remaining) on both sides of top flange, 9' from End Bent 2 (PAR)

top flange near midspan (PAR)

#### Bent 1

# **Priority Actions Request**

Structure Nun	nber 280115		
3354	Cap 1	Steel Pier Cap	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Bent 1 Cap 1: 20" x 2" area of 1/4" section loss (1/4" remaining) on Span 1 side of top flange under Bay 6 (PAR)
3354	Pile 3	Steel Column	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Bent 1 Pile 3: 1" x 10" area of 1/8" section loss (3/8" remaining) on Span 2 flange at diagonal bracing connection (PAR)
3350	Abutment	Reinforced Cor	ncrete Abutment
Priority Level	Defect Type	Quantity	Defect Description
2	Scour	2	End Bent 1 Abutment: 19" x 12" x 5" high erosion with 9" deep undermining under End Bent 1 cap at East end (PAR)



## **Element Condition and Maintenance Data**

Inspection Date: 05/05/2021

## Structure Number: 280115 Span 1

#### **Steel Deck Corrugated**

	-							
Eler Nur	nent nber Steel De	Element Name	Total Qty	CS1 Qty 679	CS2 Qty	CS3 Qty 300	CS4 Qty	quare Feet
00	Older De		000	010	Ū	000	+ 0	quare r cor
515	Steel Pro	btective Coating	983	683	0	0	300 S	quare Feet
Elemen Numbe	t r Defect Type	Defect Description			CS	CS Qty	Maint Qty	
30	Corrosion	1 SF RUST SCALE WITH 100% LOSS OF CONCRETE DECK EXPOSED BETWEEN AT BENT 1. (PAR)	SECTION	AND ) AND 11	4	1	1	Square Feet
30	Corrosion	1 SF RUST SCALE WITH 100% LOSS OF CONCRETE DECK EXPOSED BETWEEN AT BENT 1. (PAR)	SECTION	AND AND 10	4	1	1	Square Feet
30	Corrosion	1/2 SF RUST SCALE WITH 1/8" REMAIN 12 AT BENT 1. (PAR)	ING BEAMS	S 11 AND	4	1	1	Square Feet
30	Corrosion	1/2 SF RUST SCALE WITH 100% LOSS ( CONCRETE DECK EXPOSED BETWEEN AT BENT 1. (PAR)	OF SECTION BEAMS 8	N AND AND 9	4	1	1	Square Feet
30	Corrosion	LIGHT SCALING ON 30% OF EXPOSED RANDOM THROUGHOUT DECK UNDER	SURFACE, SIDE.	AT	3	300	300	Square Feet
515	Effectiveness (Steel Protective Coatings)	300 SF OF FAILED COATING.			4	300	300	Square Feet

General Comments

#### Span 1

Beam 1

Deck

#### **Plate Girder**

#### CS1 CS4 Element Total CS2 CS3 Number **Element Name** Qty Qty Qty Qty Qty 107 Steel Open Girder/Beam 34 0 7 27 0 Feet 515 Steel Protective Coating 197 167 0 0 30 Square Feet Element Maint **Defect Type Defect Description** cs CS Qty Number Qty 20' OF LIGHT SCALING WITH ISOLATED LOCATIONS 107 Corrosion 3 20 20 Feet SURFACE RUST ON TOP AND BOTTOM FLANGES, AT RANDOM THROUGHOUT. (PHOTO TAKEN NEAR MID SPAN) 107 Corrosion 7' x 1" area of 1/16" section loss (7/16" remaining) on left 3 7 7 Feet side of top flange near midspan 10' SURFACE RUST ON TOP AND BOTTOM FLANGES, AT 7 107 Corrosion 2 Feet **RANDOM THROUGHOUT.** 515 Effectiveness (Steel 30 SF OF FAILED COATING. 4 30 30 Square Feet **Protective Coatings) General Comments**

#### Span 1 Beam 2 **Plate Girder** CS1 CS2 CS4 Element Total CS3 Number **Element Name** Qty Qty Qty Qty Qty 107 Steel Open Girder/Beam 26 0 Feet 34 8 0 515 Steel Protective Coating 197 189 0 0 8 Square Feet Element Maint CS Qty **Defect Type Defect Description** CS Number Qty 8' OF SURFACE RUST ON TOP FLANGE, AT RANDOM 2 8 107 Corrosion Feet THROUGHOUT.

Structure Number: 280115

515	Effectiveness (Steel Protective Coatings)	8 SF OF FAILED COATING.

**General Comments** 

Spa	n 1	Bear	n 3						
Plat	e Girder								
Elen	nent		То	al	CS1	CS2	CS3	CS4	
Nun	nber	Element Name	C	ty	Qty	Qty	Qty	Qty	
107	Steel Op	en Girder/Beam		34	30	4	0	0	Feet
515	Steel Pro	otective Coating	1	97	193	0	0	4	Square Feet
Elemen Numbe	t r Defect Type	Defe	ect Description			CS	CS Qty	Maint Qty	
107	Corrosion	4' OF SURFACE RUST O THROUGHOUT.	N BOTH FLANGES, A	TRAN	DOM	2	4		Feet
515	Effectiveness (Steel Protective Coatings)	4 SF OF FAILED COATIN	G.			4	4	2	1 Square Feet
-	General Comments								
Spa	n 1	Bear	n 4						
Plat	e Girder								
Elen	nent	-	То	al	CS1	CS2	CS3	CS4	
Nun	nber Staal On		G	ty	Qty	Qty	Qty	Qty	Faat
107	Steer Op	en Gildel/Deam		54	29	0	Э	0	reel
515	Steel Pro	otective Coating	1	97	194	0	0	3	Square Feet
Elemen Numbe	t r Defect Type	Defe	ect Description			cs	CS Qty	Maint Qty	
107	Corrosion	5' OF SURFACE RUST W BOTTOM FLANGES, AT	ITH LIGHT SCALING	ON TO DUT.	P AND	3	5	ţ	5 Feet
515	Effectiveness (Steel Protective Coatings)	3 SF OF FAILED COATIN	G.			4	3	(	3 Square Feet
-	General Comments								
•			-						
Spa	n 1	Bear	n 5						
Plat	e Girder								
Elen	nent	<b>E</b> I	То	al	CS1	CS2	CS3	CS4	
Nun	nber	Element Name	C	ty	Qty	Qty	Qty	Qty	<b>F</b> (
107	Steel Op	en Girder/Beam		34	32	0	0	2	Feet
515	Steel Pro	otective Coating	1	97	195	0	0	2	Square Feet
Elemen Number	t r Defect Type	Defe	ect Description			cs	CS Qty	Maint Qty	
107	Corrosion	20" x 3 1/2" area of sections on right side of top fland	on loss (with knife ed e at Bent 1 (PAR)	ge rem	naining)	4	2	2	2 Feet
515	Effectiveness (Steel Protective Coatings)	2 SF OF FAILED COATIN	G.			4	2	2	2 Square Feet

General Comments

4 8

8 Square Feet

#### **Plate Girder**

Elen Num	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	34	12	20	0	2 F	eet
515	Steel Pro	tective Coating	197	165	22	0	10 S	quare Feet
Element Number	t Defect Type	Defect Descriptio	n		CS	CS Qty	Maint Qty	
107	Corrosion	20" OF RUST SCALE ON NORTH AND TOP FLANGE WITH 1/8" REMAINING A	SOUTH EDG AT BENT 1. (P	E OF PAR)	4	2	2	Feet
107	Corrosion	20' OF SURFACE RUST ON TOP AND AT RANDOM THROUGHOUT.	BOTTOM FLA	NGES,	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FAILED COATING.			4	10	10	Square Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FRECKLED RUST.			2	10	10	Square Feet
515	Effectiveness (Steel Protective Coatings)	12 SF OF FRECKLED RUST AT RAND BOTTOM FLANGE.		HOUT	2	12	12	Square Feet
(	General Comments							

Span 1

Beam 7

#### **Plate Girder**

Eler Nur	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	34	20	0	10	4 F	eet
515	Steel Pro	tective Coating	197	182	10	0	5 S	quare Feet
Elemer Numbe	nt Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	
107	Corrosion	14" x 3" area of 1/4" section loss (1/4" sides of top flange at Bent 1 (PAR)	" remaining) o	n both	4	2	2	Feet
107	Corrosion	18" x 3" area of 1/8" section loss (3/8" sides of bottom flange at Bent 1 (PAR	" remaining) o {)	n both	4	2	2	Feet
107	Corrosion	10' LIGHT SCALING ON TOP AND BO RANDOM THROUGHOUT.	TTOM FLANG	ES, AT	3	10	10	Feet
515	Effectiveness (Steel Protective Coatings)	5 SF OF FAILED COATING.			4	5	5	Square Feet
515	Effectiveness (Steel Protective Coatings)	5 SF OF FRECKLED RUST AT RANDO BOTTOM FLANGE.	OM THROUGH	OUT	2	5	5	Square Feet
515	Effectiveness (Steel	5 SF OF FRECKLED RUST.			2	5	5	Square Feet

Span 1

Beam 8

#### **Plate Girder**

Protective Coatings) General Comments

Element Total CS1 CS2 CS3 CS4 **Element Name** Number Qty Qty Qty Qty Qty 107 Steel Open Girder/Beam 34 19 15 0 0 Feet 515 Steel Protective Coating 197 20 0 7 Square Feet 170 Maint Element **Defect Type Defect Description** CS CS Qty Number Qty 15' LIGHT SCALING ON TOP AND BOTTOM FLANGES, AT 107 Corrosion 2 15 Feet RANDOM THROUGHOUT. Effectiveness (Steel 7 SF OF FAILED COATING. 7 7 Square Feet 515 4 **Protective Coatings)** 10 SF OF FRECKLED RUST AT RANDOM THROUGHOUT 10 Square Feet 515 Effectiveness (Steel 2 10 Protective Coatings) BOTTOM FLANGE.

Structure Number: 280115

515 Effectiveness (Steel	10 SF OF FRECKLED RUST.
--------------------------	-------------------------

Protective Coatings) G

Inspection Date: 05/05/2021

10 Square Feet 10

2

20

0

15 Square Feet

General	Comments

Spa	n 1	Beam 9							
Plat	e Girder								
Eler	nent	Element Name	Total Otv	CS1 Qtv	CS2 Otv	CS3 Otv	CS4 Qtv		
107	Steel Op	ben Girder/Beam	34	27	7	0	0 Feet		
515	Steel Pr	otective Coating	197	194	0	0	3 Square Feet		
Elemen Numbe	t r Defect Type	Defect D	escription		CS	CS Qty	Maint Qty		
107	Corrosion	7' OF SURFACE RUST ON TO THROUGHOUT.	P FLANGE, AT RAND	ОМ	2	7	Feet		
515	Effectiveness (Steel Protective Coatings)	3 SF OF FAILED COATING.			4	3	3 Square Feet		
	General Comments								
Span 1 Beam 10									
Plat	e Girder								
Eler	nent		Total	CS1	CS2	CS3	CS4		
Nun	nber Staal Or	Element Name	Qty	Qty	Qty	Qty	Qty		
107	Steel Op	ben Girder/Beam	34	23	1	10	U Feet		
515	Steel Pr	otective Coating	197	162	20	0	15 Square Feet		
Elemen Numbe	t r Defect Type	Defect D	escription		CS	CS Qty	Maint Qty		
107	Corrosion	10' OF LIGHT SCALING ON T AT RANDOM THROUGHOUT.	OP AND BOTTOM FLA	NGES,	3	10	10 Feet		
107	Distortion	12" x 1/4" upward deflection of 12' from Bent 1	on left side of bottom	flange,	2	1	Feet		
515	Effectiveness (Steel Protective Coatings)	15 SF OF FAILED COATING.			4	15	15 Square Feet		
515	Effectiveness (Steel Protective Coatings)	10 SF OF FRECKLED RUST A BOTTOM FLANGE.	T RANDOM THROUG	HOUT	2	10	10 Square Feet		
515	Effectiveness (Steel Protective Coatings)	10 SF OF FRECKLED RUST.			2	10	10 Square Feet		
	General Comments								
Spa	n 1	Beam 11	l						
Plat	e Girder								
Eler	nent		Total	CS1	CS2	CS3	CS4		
Nun 107	nber Steel Or	Element Name	Qty 34	<b>Qty</b> 24	Qty	<b>Qty</b> 10	Qty 0 Feet		
107	Sieel Of		54	24	0	10	0 1001		

Element Number	Defect Type	Defect Description	cs	CS Qty	Maint Qty	
107	Corrosion	10' OF peeling paint with rust ON TOP AND BOTTOM FLANGES, AT RANDOM THROUGHOUT.	3	10	10	Feet
515	Effectiveness (Steel Protective Coatings)	15 SF OF FAILED COATING.	4	15	15	Square Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FRECKLED RUST AT RANDOM THROUGHOUT BOTTOM FLANGE.	2	10	10	Square Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FRECKLED RUST.	2	10		Square Feet

197

162

**General Comments** 

Steel Protective Coating

515

Spa	n 1	Beam 12					
Plate	e Girder						
Elen Num	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Op	en Girder/Beam	34	9	0	25	0 Feet
515	Steel Pro	tective Coating	197	132	20	20	25 Square Feet
Element Number	t Defect Type	Defect Descri	otion		CS	CS Qty	Maint Qty
107	Corrosion	25' x 2" area of 1/16" section loss 0 FLANGE LIGHT SCALING TOP FLA THROUGHOUT.	ON BOTH SIDES ( NGE, AT RANDO	OF TOP DM	3	25	25 Feet
515	Effectiveness (Steel Protective Coatings)	25 SF OF FAILED COATING.			4	25	25 Square Feet
515	Effectiveness (Steel Protective Coatings)	20 SF OF FRECKLED RUST AT RA BOTTOM FLANGE.	NDOM THROUGH	IOUT	3	20	20 Square Feet
515	Effectiveness (Steel Protective Coatings)	20 SF OF FRECKLED RUST.			2	20	20 Square Feet
(	General Comments						

Wearing Surface

## Asphalt Wearing Surface

Elen Num	nent Iber	Element Name		CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	g Surface	972	757	0	215	0 S	quare Feet
Element Number	Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	(2) UP TO 35' x 1/2" LONGITUDIN/ LANE.	AL CRACKS IN Ea	stbound	3	70	70	Square Feet
510	Crack (Wearing Surface)	45 square feet up to 1/4" transver	se cracks		3	45	45	Square Feet
510	Crack (Wearing Surface)	MAP CRACKING UP TO 1/4" AT R ASPHALT WEARING SURFACE, F EASTBOUND LANE.	ANDOM THROUG PRIMARILY IN	HOUT	3	100	100	Square Feet

#### **General Comments**

OVERLAY OVERLAPS END BENT 2 JOINT AND COVERS PREVIOUS CRACKING DEFECT.

## Span 1

#### Left Bridge Rail

#### **Steel Rail**

Elen Num	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bri	dge Railing	35	0	35	0	0 Feet
515	Steel Pro	tective Coating	123	103	0	0	20 Square Feet
Elemen Number	t Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty
330	Corrosion	SURFACE RUST AT RANDOM THE AND CURB RAIL.	ROUGHOUT GUAI	RDRAIL	2	35	Square Feet
515	Effectiveness (Steel Protective Coatings)	20 SF OF FAILED COATING.			4	20	20 Square Feet
-	General Comments						

Steel F	Rai
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ent ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
Metal Bri	dge Railing	35	0	35	0	0 Feet
Steel Pro	tective Coating	123	73	0	0	50 Square Feet
Defect Type	Defect Descri	otion		CS	CS Qty	Maint Qty
Corrosion	SURFACE RUST AT RANDOM THR AND CURB RAIL.	OUGHOUT GUA	RDRAIL	2	35	Square Feet
Effectiveness (Steel Protective Coatings)	50 SF OF FAILED COATING.			4	50	50 Square Feet
	ent ber Metal Brid Steel Pro Defect Type Corrosion Effectiveness (Steel Protective Coatings)	ent ber Element Name Metal Bridge Railing Steel Protective Coating Defect Type Defect Descrip Corrosion SURFACE RUST AT RANDOM THR AND CURB RAIL. Effectiveness (Steel 50 SF OF FAILED COATING.	Total       ber     Element Name     Qty       Metal Bridge Railing     35       Steel Protective Coating     123       Defect Type     Defect Description       Corrosion     SURFACE RUST AT RANDOM THROUGHOUT GUAI AND CURB RAIL.       Effectiveness (Steel     50 SF OF FAILED COATING.	Total ber     Total Qty     CS1 Qty       Metal Bridge Railing Metal Bridge Railing     35     0       Steel Protective Coating     123     73       Defect Type     Defect Description       Corrosion     SURFACE RUST AT RANDOM THROUGHOUT GUARDRAIL AND CURB RAIL.       Effectiveness (Steel Protective Coatings)     50 SF OF FAILED COATING.	Total ber     CS1 Qty     CS2 Qty       Metal Bridge Railing Metal Bridge Railing     35     0       Steel Protective Coating     123     73     0       Defect Type     Defect Description     CS       Corrosion     SURFACE RUST AT RANDOM THROUGHOUT GUARDRAIL AND CURB RAIL.     2       Effectiveness (Steel Protective Coatings)     50 SF OF FAILED COATING.     4	Total berCS1 QtyCS2 QtyCS3 QtyMetal Bridge Railing350350Steel Protective Coating1237300Defect DescriptionCSCS QtyCorrosionSURFACE RUST AT RANDOM THROUGHOUT GUARDRAIL AND CURB RAIL.235Effectiveness (Steel Protective Coatings)50 SF OF FAILED COATING.450

Span 1

**Near Bearing** 

#### Other Bearing

#### CS4 Element Total CS1 CS2 CS3 Number **Element Name** Qty Qty Qty Qty Qty 316 0 Each Other Bearings 1 0 1 0 515 Steel Protective Coating 1 0 0 0 1 Square Feet Element Maint **Defect Type Defect Description** CS CS Qty Number Qty 2 316 Corrosion Peeling paint with rust 1 Each 515 Effectiveness (Steel SURFACE RUST, BEARING ASSEMBLY. 4 1 1 Square Feet **Protective Coatings)**

**General Comments** 

## Span 1

#### **Far Bearing**

**Other Bearing** 

Elen Num	nent iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Be	arings	1	0	1	0	0 Each
515	Steel Pro	tective Coating	1	0	1	0	0 Square Feet
Element Number	t Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty
316	Connection	ANCHOR BOLT NOT FULLY SEATER BEARING IN THE TOP FLANGE OF (	D UNDERNEATH CAP.	THE	2	1	1 Each
316	Corrosion	Surface rust			2		Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1 Square Feet
Ī	General Comments						

## Span 1

#### **Near Bearing**

#### **Other Bearing**

Elem Num 316	nent Iber	Other B	Element Name Bearings		Total Qty 1	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> Qty 1	<b>CS3</b> <b>Qty</b> 0	<b>CS4</b> Qty 0	Each
515		Steel P	rotective Coating		1	0	1	0	0	Square Feet
Element Number	Defec	t Туре		Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion		Peeling paint with r	ust			2	1		Each

#### Effectiveness (Steel Substantially effective Protective Coatings) 515 General Comments

Inspection	D	ate: 05/05/2021
1	1	Square Feet

Cino	~ <b>4</b>									
Spa	n 1			Far Bearing						
Othe	er Bearing									
Elen Num	nent 1ber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	arings		1	0	1	0	0	Each
515		Steel Pro	tective Coating		1	0	1	0	0	Square Feet
Element	t Defect	Туре		Defect Description			cs	CS Qty	Maint Qty	
316	Corrosion		Surface rust				2	1		Each
515	Effectivenes Protective C	s (Steel oatings)	Substantially effect	tive			2	1		1 Square Feet
-	General Com	nents								
Spa	n 1			Near Bearing						
Othe	er Bearing									
Elen Num	nent 1ber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	arings		1	0	1	0	0	Each
515		Steel Pro	tective Coating		1	0	1	0	0	Square Feet
Element	t Defect	Гуре		Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion		Peeling paint with	rust			2	1		Each
515	Effectivenes Protective C	s (Steel oatings)	Substantially effect	tive			2	1		1 Square Feet
(	General Com	nents								
Spa	n 1			Far Bearing						
Othe	er Bearing									
Elen Num	nent 1ber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	arings		1	0	1	0	0	Each
515		Steel Pro	tective Coating		1	0	1	0	0	Square Feet
Element Number	t Defect	Гуре		Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion		Surface rust				2	1		Each
515	Effectivenes Protective C	s (Steel oatings)	Substantially effect	tive			2	1		1 Square Feet

**General Comments** 

2

Othe	er Bearing							
Elen Num	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	0	1	0	0 Each	
515	Steel Pr	otective Coating	1	0	0	0	1 Square Feet	
Element Number	t Defect Type	Defect Description			CS	CS Qty	Maint Qty	-
316	Corrosion	Peeling paint with rust			2	1	Each	
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.			4	1	1 Square Feet	
Ī	General Comments							

## Span 1

#### **Far Bearing**

## **Other Bearing**

#### Element Total CS1 CS2 CS3 CS4 Number **Element Name** Qty Qty Qty Qty Qty 316 Other Bearings 0 Each 0 0 1 1 515 Steel Protective Coating 0 1 0 0 Square Feet 1 Element Maint **Defect Description** CS CS Qty Defect Type Number Qty 2 316 Corrosion Surface rust 1 Each Effectiveness (Steel Protective Coatings) 515 Substantially effective 2 1 1 Square Feet **General Comments**

## Span 1

## **Near Bearing**

Other Bearing

Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Be	arings	1	0	1	0	0 Each
515	Steel Pro	tective Coating	1	0	0	0	1 Square Feet
Elemen Number	t r Defect Type	Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	Peeling paint with rust			2	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.			4	1	1 Square Feet

**General Comments** 

## Span 1

#### **Far Bearing**

Othe	er Bearing							
Elen Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	L /
316	Other B	earings	1	0	1	0	0	Each
515	Steel P	rotective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST, BEARING ASSEMBLY	-		2	1		Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY			4	1		1 Square Feet

Spa	n 1	Near Bearing						
Othe	er Bearing							
Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	arings	1	0	1	0	0	Each
515	Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Element Number	t Defect Type	Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion	Peeling paint with rust			2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.			4	1		1 Square Feet
Ī	General Comments							

Spa	n 1	Far Bearing						
Othe	er Bearing							
Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	arings	1	0	1	0	0	Each
515	Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Elemen Number	t Defect Type	Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST, BEARING ASSEMBLY.			2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.			4	1		1 Square Feet
-	General Comments							

## Span 1

## **Near Bearing**

## **Other Bearing**

Elem Num	nent Iber		Element Name	т	otal Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	arings		1	0	1	0	0	Each
515		Steel Pro	tective Coating		1	0	0	0	1	Square Feet
Element Number	De	fect Type	Defect D	escription			CS	CS Qty	Maint Qty	
316	Corrosi	on	Peeling paint with rust				2	1		Each
515	Effective	eness (Steel ve Coatings)	SURFACE RUST, BEARING A	SSEMBLY.			4	1		1 Square Feet

**General Comments** 

## Span 1

#### Far Bearing

Other Be	earing						
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings		1	0	1	0	0
515	Steel Protective Coating		1	0	0	0	1
ement	Defect Time	Defect Decemintion			00	00.044	Maint

Ele Number

**Defect Description** 

CS CS Qty

CS4 Qty 0 Each

Qty

1 Square Feet

Structure I	Number: <u>280115</u>			Inspection	n Date: 05/05/2021
316	Corrosion	SURFACE RUST, BEARING ASSEMBLY.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	4	1	1 Square Feet

Spar	n 1		Near Bearing						
Othe	er Bearing								
Elem Num 316	nent nber Othe	Element Name		Total Qty 1	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> Qty 1	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0	Each
515	Steel	Protective Coating		1	0	0	0	1	Square Feet
Element Number	t Defect Type		Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion	Peeling paint with	rust			2	1		Each
515	Effectiveness (Ste Protective Coating	el SURFACE RUST, E gs)	BEARING ASSEMBLY.			4	1		1 Square Feet
(	General Comments								
Spai	n 1		Far Bearing						
Othe	er Bearing								
Elen Num	nent 1ber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Othe	r Bearings		1	0	1	0	0	Each
515	Steel	Protective Coating		1	0	1	0	0	Square Feet
Element Number	t Defect Type		Defect Description			CS	CS Qty	Maint Qty	

316	Corrosion	Surface rust	2	1		Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	1	1	Square Feet
	General Comments					

## **Near Bearing**

Other Bearing

Elen Num 316	nent hber Other Be	Element Name Parings	Total Qty 1	<b>CS1</b> <b>Qty</b> 0	CS2 Qty 1	<b>CS3</b> <b>Qty</b> 0	<b>CS4</b> Qty 0 Each
515	Steel Pro	otective Coating	1	0	1	0	0 Square Feet
Element Number	t Defect Type	Defect Descriptio	on		CS	CS Qty	Maint Qty
316	Corrosion	Peeling paint with rust			2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1 Square Feet
-	General Comments						

Othe	er Bearing								
Elen Num	nent 1ber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Oth	er Bearings		1	0	1	0	0	Each
515	Ste	el Protective Coating		1	0	1	0	0	Square Feet
Elemen Number	t Defect Typ	e	Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion	Surface rust				2	1	-	Each
515	Effectiveness (S Protective Coati	teel Substantially effect ngs)	ive			2	1		1 Square Feet
_	0	4							

General Comments

### Span 1

#### **Near Bearing**

**Far Bearing** 

## **Other Bearing**

#### Element Total CS1 CS2 CS3 CS4 Number **Element Name** Qty Qty Qty Qty Qty 316 Other Bearings 0 Each 0 0 1 1 515 Steel Protective Coating 0 0 0 1 Square Feet 1 Element Maint **Defect Description** CS CS Qty Defect Type Qty Number 2 316 Corrosion Peeling paint with rust 1 Each Effectiveness (Steel Protective Coatings) 515 SURFACE RUST, BEARING ASSEMBLY. 4 1 1 Square Feet **General Comments**

## Span 1

### **Far Bearing**

## Other Bearing

Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Be	arings	1	0	1	0	0 Each
515	Steel Pro	tective Coating	1	0	1	0	0 Square Feet
Element Number	t Defect Type	Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	Surface rust			2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1 Square Feet
-	Conoral Commonto						

General Comments

## Span 1

#### **Near Bearing**

Other Bearing
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Elen Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Be	earings	1	0	1	0	0 Each
515	Steel Pro	otective Coating	1	0	1	0	0 Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	Peeling paint with rust			2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1 Square Feet

Spa	n 1		Far Bearing						
Oth	er Bearing								
Eler Nun	nent nber	Element Na	ne	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Oth	ner Bearings		1	0	1	0	0	Each
515	Ste	el Protective Coating		1	0	1	0	0	Square Feet
Elemen Numbe	t r Defect Typ	e	Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion	Surface rust				2	1	-	Each
515	Effectiveness (S Protective Coati	iteel Substantially e ngs)	ffective			2	1		1 Square Feet
-	General Commen	ts							

Spa	n 1	Near Bearing	3					
Othe	er Bearing							
Elen Num	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	arings	1	0	1	0	0	Each
515	Steel Pro	tective Coating	1	0	1	0	0	Square Feet
Elemen Number	t Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
316	Corrosion	Peeling paint with rust			2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1		1 Square Feet
-	General Comments							

## Span 1

## Far Bearing

## **Other Bearing**

lent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
Other Be	arings	1	0	1	0	0 Each
Steel Pro	tective Coating	1	0	1	0	0 Square Feet
Defect Type	Defect Description			CS	CS Qty	Maint Qty
Corrosion	Surface rust			2	1	Each
Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1 Square Feet
	ent ber Other Be Steel Pro Defect Type Corrosion Effectiveness (Steel Protective Coatings)	Inent       Element Name         ber       Element Name         Other Bearings       Steel Protective Coating         Defect Type       Defect Description         Corrosion       Surface rust         Effectiveness (Steel       Substantially effective         Protective Coatings)       Support of the stantial of the stantia	Inent     Total       ber     Element Name     Total       Other Bearings     1       Steel Protective Coating     1       Defect Type     Defect Description       Corrosion     Surface rust       Effectiveness (Steel     Substantially effective       Protective Coatings)     Support	Total ber     Total Qty     CS1 Qty       Other Bearings     1     0       Steel Protective Coating     1     0       Defect Type     Defect Description       Corrosion     Surface rust       Effectiveness (Steel Protective Coatings)     Substantially effective	Total ber     CS1 Qty     CS2 Qty       Other Bearings Other Bearings     1     0     1       Steel Protective Coating     1     0     1       Defect Type     Defect Description     CS       Corrosion     Surface rust     2       Effectiveness (Steel Protective Coatings)     Substantially effective     2	Total berCS1 QtyCS2 QtyCS3 QtyOther Bearings1010Steel Protective Coating1010Defect TypeDefect DescriptionCSCS QtyCorrosionSurface rust21Effectiveness (Steel Protective Coatings)Substantially effective21

Span 2

### Deck

## **Steel Deck Corrugated**

Element Number	Ele	ment Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
30	Steel Deck Corru	gated/Orthotropic/Etc.	1,404	844	0	560	0	Square Feet
515	Steel Protective	Coating	1,404	844	0	0	560	Square Feet
Element Number	Defect Type	Defect Descrip	otion		CS	CS Qty	Maint Qty	

Structure I	Number: <u>280115</u>			Inspe	ection Date: 05/05/2021
30	Corrosion	LIGHT SCALING ON 40% OF EXPOSED SURFACE, AT RANDOM THROUGHOUT DECK UNDERSIDE.	3	560	560 Square Feet
515	Effectiveness (Steel Protective Coatings)	350 SF OF FAILED COATING.	4	560	560 Square Feet

## Span 2

Beam 1

Plate	e Girder							
Elem Num	lent ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Ope	en Girder/Beam	50	0	0	50	0	Feet
515	Steel Pro	tective Coating	356	246	80	0	30	Square Feet
Element Number	Defect Type	Defect Descrip	tion		CS	CS Qty	Maint Qty	
107	Corrosion	Full length OF LIGHT SCALING SCA BOTTOM FLANGES, AT RANDOM T	ALE ON TOP AN HROUGHOUT.	D	3	50	50	Feet
515	Effectiveness (Steel Protective Coatings)	40 SF OF FAILED COATING.			4	30	30	Square Feet
515	Effectiveness (Steel Protective Coatings)	40 SF OF FRECKLED RUST AT RAN BOTTOM FLANGE.	IDOM THROUGI	HOUT	2	40	40	Square Feet
515	Effectiveness (Steel Protective Coatings)	40 SF OF FRECKLED RUST.			2	40	40	Square Feet

General Comments

#### Beam 2

**Plate Girder** 

Span 2

#### Element Total CS1 CS2 CS3 CS4 Number **Element Name** Qty Qty Qty Qty Qty 107 Steel Open Girder/Beam 50 30 0 20 0 Feet 515 Steel Protective Coating 356 0 10 Square Feet 306 40 Element Maint **Defect Type Defect Description** CS CS Qty Number Qty 107 Corrosion 20' OF LIGHT SCALING ON TOP AND BOTTOM FLANGES, 3 20 20 Feet AT RANDOM THROUGHOUT. 20 SF OF FAILED COATING. 10 Square Feet 515 Effectiveness (Steel 4 10 **Protective Coatings)** Effectiveness (Steel 20 SF OF FRECKLED RUST AT RANDOM THROUGHOUT 2 20 Square Feet 515 20 **Protective Coatings)** BOTTOM FLANGE. Effectiveness (Steel 20 SF OF FRECKLED RUST. 2 20 515 20 Square Feet **Protective Coatings) General Comments**

Span 2

#### Beam 3

#### **Plate Girder**

Elen Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	50	10	0	40	0 Feet	
515	Steel Pro	tective Coating	356	256	80	0	20 Square Feet	
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
107	Corrosion	40' OF LIGHT SCALING ON TOP AND BO AT RANDOM THROUGHOUT.	OTTOM FLA	NGES,	3	40	40 Feet	
515	Effectiveness (Steel Protective Coatings)	20 SF OF FAILED COATING.			4	20	20 Square Feet	

Structure	Number: <u>280115</u>			Inspe	ction Date: 05/05/2021
515	Effectiveness (Steel Protective Coatings)	40 SF OF FRECKLED RUST AT RANDOM THROUGHOUT BOTTOM FLANGE.	2	40	40 Square Feet
515	Effectiveness (Steel Protective Coatings)	40 SF OF FRECKLED RUST.	2	40	40 Square Feet

Span 2
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Beam 4

Plate Girde	r					
Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	50	30	0	20	0 Feet
515	Steel Protective Coating	356	306	40	0	10 Square Feet
Element						Maint

Number	Defect Type	Defect Description	CS	CS Qty	Qty	
107	Corrosion	20' OF LIGHT SCALING ON TOP AND BOTTOM FLANGES, AT RANDOM THROUGHOUT.	3	20	20	Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FAILED COATING.	4	10	10	Square Feet
515	Effectiveness (Steel Protective Coatings)	20 SF OF FRECKLED RUST AT RANDOM THROUGHOUT BOTTOM FLANGE.	2	20	20	Square Feet
515	Effectiveness (Steel Protective Coatings)	20 SF OF FRECKLED RUST.	2	20	20	Square Feet

General Comments

Beam 5

**Plate Girder** 

Span 2

#### Element Total CS1 CS2 CS3 CS4 **Element Name** Number Qty Qty Qty Qty Qty 0 Feet 107 Steel Open Girder/Beam 50 44 0 6 515 Steel Protective Coating 356 0 0 12 Square Feet 344 Element Maint CS Qty CS **Defect Type Defect Description** Number Qty 107 Corrosion 6' OF LIGHT SCALING WITH ISOLATED LOCATIONS 3 6 6 Feet SURFACE RUST ON TOP AND BOTTOM FLANGES, AT BENT 1 AND BENT 2. Effectiveness (Steel Protective Coatings) 515 12 SF OF FAILED COATING. 4 12 12 Square Feet

**General Comments** 

Spar	n 2	Beam	6					
Plate	e Girder							
Elem Num 107	ent ber Steel Op	Element Name en Girder/Beam	Total Qty 50	<b>CS1</b> <b>Qty</b> 27	<b>CS2</b> <b>Qty</b> 0	<b>CS3</b> <b>Qty</b> 20	CS4 Qty 3 F	Feet
515	Steel Pro	tective Coating	356	336	0	0	20 \$	Square Feet
Element Number	Defect Type	Defec	t Description		CS	CS Qty	Maint Qty	
107	Corrosion	30" x 3" area of 1/8" sections side of top flange at Bent	on loss (3/8" remaining) o 2 (PAR)	n right	4	3	3	Feet
107	Corrosion 20' OF LIGHT SCALING WITH ISOLA SURFACE RUST ON TOP AND BOT RANDOM THROUGHOUT.		ITH ISOLATED LOCATIOI AND BOTTOM FLANGES,	NS , AT	3	20	20	Feet
515 _	Effectiveness (Steel Protective Coatings)	20 SF OF FAILED COATIN	G.		4	20	20	Square Feet
Ģ	Seneral Comments							

Spa	n 2	Beam 7						
Plate	e Girder							
Elen Num	nent nber Steel (	Element Name	Total Qty	CS1 Qty 31	CS2 Qty	CS3 Qty	CS4 Qty	- eet
515	Steel P	rotective Coating	356	341	0	0	15 \$	Square Feet
Element Number	t Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
107	Corrosion	20" x 2" area of 1/8" section loss sides of top flange at Bent 2 (PAR	(3/8" remaining) or R)	n both	4	2	2	Feet
107	Corrosion	24" x 4" area of 1/4" section loss sides of top flange at Bent 1 (PAR	(1/4" remaining) or R)	n both	4	2	2	Feet
107	Corrosion	15' OF LIGHT SCALING WITH ISO SURFACE RUST ON TOP AND BC RANDOM THROUGHOUT.	LATED LOCATION OTTOM FLANGES,	NS AT	3	15	15	Feet
515	Effectiveness (Steel Protective Coatings	15 SF OF FAILED COATING.			4	15	15	Square Feet
-	General Comments	/						

Beam 8

#### **Plate Girder**

Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Op	Steel Open Girder/Beam		27	0	23	0 Feet
515	Steel Pro	tective Coating	356	341	0	0	15 Square Feet
Elemen Number	t Defect Type	Defect Descri	otion		CS	CS Qty	Maint Qty
107	Corrosion	20' OF LIGHT SCALING WITH ISOL SURFACE RUST ON TOP AND BOT RANDOM THROUGHOUT.	ATED LOCATIO	NS AT	3	20	20 Feet
107	Corrosion	30" x 3" area of 1/16" section loss sides of top flange at Bent 1	7/16" remaining	) on both	3	3	3 Feet
515	Effectiveness (Steel	15 SF OF FAILED COATING.			4	15	15 Square Fee

Spa	n 2	Beam	9					
Plat	e Girder							
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	50	44	0	6	0 1	-eet
515	Steel Pro	tective Coating	356	350	0	0	6 \$	Square Feet
Elemen Number	t r Defect Type	Defec	t Description		CS	CS Qty	Maint Qty	
107	Corrosion	6' OF LIGHT SCALING WIT SURFACE RUST ON TOP / RANDOM THROUGHOUT.	H ISOLATED LOCATION	NS S, AT	3	6	6	Feet
515	Effectiveness (Steel Protective Coatings)	6 SF OF FAILED COATING			4	6	6	Square Feet
-	General Comments							

Plate	Girder
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Elem Num	ent ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	50	44	0	6	0	Feet
515	Steel Pro	tective Coating	356	350	0	0	6	Square Feet
Element Number	Defect Type	Defect Descr	iption		CS	CS Qty	Maint Qty	
107	Corrosion	6' OF LIGHT SCALING WITH ISOL SURFACE RUST ON TOP AND BC RANDOM THROUGHOUT.	ATED LOCATION	S , AT	3	6		6 Feet
515	Effectiveness (Steel Protective Coatings)	6 SF OF FAILED COATING.			4	6		6 Square Feet

Beam 10

Span 2 Beam 11 **Plate Girder** Total CS1 CS2 CS3 CS4 Element **Element Name** Number Qty Qty Qty Qty Qty 107 Steel Open Girder/Beam 50 40 0 10 0 Feet 515 Steel Protective Coating 356 346 0 0 10 Square Feet Element Maint **Defect Type Defect Description** CS CS Qty Number Qty 107 Corrosion **10' OF LIGHT SCALING WITH ISOLATED LOCATIONS** 3 10 Feet 10 SURFACE RUST ON TOP AND BOTTOM FLANGES, AT RANDOM THROUGHOUT. 515 Effectiveness (Steel 10 SF OF FAILED COATING. 4 10 10 Square Feet **Protective Coatings) General Comments** 

### Span 2

Beam 12

#### **Plate Girder**

Elen Nun 107	nent nber Steel Op	Element Name en Girder/Beam	Total Qty 50	<b>CS1</b> <b>Qty</b> 10	<b>CS2</b> <b>Qty</b> 0	<b>CS3</b> <b>Qty</b> 40	CS4 Qty 0 Feet
515	Steel Pro	tective Coating	356	286	40	0	30 Square Feet
Elemen Number	t Defect Type	Defect Desc	ription		CS	CS Qty	Maint Qty
107	Corrosion	40' OF LIGHT SCALING ON TOP A AT RANDOM THROUGHOUT.	AND BOTTOM FLA	NGES,	3	40	40 Feet
515	Effectiveness (Steel Protective Coatings)	30 SF OF FAILED COATING.			4	30	30 Square Feet
515	Effectiveness (Steel Protective Coatings)	20 SF OF FRECKLED RUST AT R BOTTOM FLANGE.	ANDOM THROUGH	HOUT	2	20	20 Square Feet
515	Effectiveness (Steel Protective Coatings)	20 SF OF FRECKLED RUST.			2	20	20 Square Feet

General Comments

Wearing Surface

## Span 2

## Asphalt Wearing Surface

Elen Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	Surface	1,388	510	35	843	0 S	quare Feet
Element Number	Defect Type	Defect Description	on		CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	(2) UP TO 8' X 1/2" TRANSVERSE CR LANES, AT BENT 2. (PHOTO TAKEN	ACKS, BOTH <sup>-</sup> IN EASTBOUN	TRAVEL ID LANE)	3	15	15	Square Feet
510	Crack (Wearing Surface)	(5) UP TO 30' x 1/2" LONGITUDINAL ( Eastbound LANE AND ONE IN Westb TAKEN IN Westbound LANE AT BEN	CRACKS, (4) IN ound LANE. (F T 2)	N РНОТО	3	150	150	Square Feet
510	Crack (Wearing Surface)	28 X UP TO 1" DIAGONAL CRACK AT	BENT 1.		3	28	28	Square Feet
510	Crack (Wearing Surface)	MAP CRACKING UP TO 1/4" AT RAN ASPHALT WEARING SURFACE, PRIM EASTBOUND LANE.	DOM THROUG MARILY IN	HOUT	3	500	500	Square Feet
510	Patched Area/Pothole (Wearing Surface)	27' x UP TO 5' PATCHED AREA WITH CRACKS AT BENT 2 JOINT.	TRANSVERS	E	3	150	150	Square Feet
510	Patched Area/Pothole (Wearing Surface)	7' X 5' PATCHED AREA AT CENTERL BENT 1.	INE OF ROAD	WAY AT	2	35		Square Feet
ī	General Comments							

Span 2

Left Bridge Rail

#### Steel Rail

Elem Num	ent ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bri	dge Railing	50	10	40	0	0 Feet
515	Steel Pro	tective Coating	175	95	0	0	80 Square Feet
Element Number	Defect Type	Defect Descrip	tion		CS	CS Qty	Maint Qty
330	Corrosion	SURFACE RUST AT RANDOM THRO AND CURB RAIL.	DUGHOUT GUA	RDRAIL	2	40	Square Feet
515	Effectiveness (Steel Protective Coatings)	60 SF OF FAILED COATING.			4	80	80 Square Feet

## Span 2

## **Right Bridge Rail**

Steel Rail

Elem Num	ent ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bri	dge Railing	50	5	45	0	0 Feet
515	Steel Pro	tective Coating	175	85	0	0	90 Square Feet
Element Number	Defect Type	Defect Descrip	otion		CS	CS Qty	Maint Qty
330	Corrosion	SURFACE RUST AT RANDOM THR AND CURB RAIL.	OUGHOUT GUA	RDRAIL	2	45	Square Feet
515	Effectiveness (Steel Protective Coatings)	90 SF OF FAILED COATING.			4	90	90 Square Feet

Ot	her	Bea	irin	Q

Elerr Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Be	arings	1	0	1	0	0 Each
515	Steel Pro	tective Coating	1	0	1	0	0 Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	Surface rust			2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1 Square Feet
ī	General Comments						

Span 2

## Near Bearing

### **Other Bearing**

#### CS4 Element Total CS1 CS2 CS3 Number **Element Name** Qty Qty Qty Qty Qty 316 Other Bearings 0 Each 0 0 1 1 515 Steel Protective Coating 0 1 0 0 Square Feet 1 Element Maint **Defect Description** CS CS Qty Defect Type Qty Number 2 316 Corrosion Surface rust 1 Each Effectiveness (Steel Protective Coatings) 515 Substantially effective 2 1 1 Square Feet **General Comments**

## Span 2

#### **Near Bearing**

Other Bearing

Elen Num	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Be	arings	1	0	1	0	0 Each
515	Steel Pro	tective Coating	1	0	1	0	0 Square Feet
Elemen Number	t Defect Type	Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	Surface rust			2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1 Square Feet
-	Conorol Commonto						

General Comments

## Span 2

### **Far Bearing**

Other	Bea	rin	a
Cuici			v

Elen Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bo	earings	1	0	1	0	0 Each
515	Steel Pr	otective Coating	1	0	0	0	1 Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	SURFACE RUST, BEARING ASSEMBLY.			2	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.			4	1	1 Square Feet

Spa	n 2	Near Bearin	g					
Oth	er Bearing							
Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other B	earings	1	0	1	0	0	Each
515	Steel Pr	otective Coating	1	0	1	0	0	Square Feet
Elemen Numbe	t r Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
316	Corrosion	Surface rust			2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1	Square Feet
-	General Comments							

Spa	n 2	Far Bearing						
Othe	er Bearing							
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	arings	1	0	1	0	0	Each
515	Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Elemen Number	t r Defect Type	Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST, BEARING ASSEMBLY.			2	1		Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.			4	1		1 Square Feet
-	General Comments							

## Span 2

## Near Bearing

### Other Bearing

	U						
Elen Num	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Be	arings	1	0	1	0	0 Each
515	Steel Pro	ptective Coating	1	0	1	0	0 Square Feet
Elemen Numbei	t Defect Type	Defect Descriptio	n		CS	CS Qty	Maint Qty
316	Corrosion	Surface rust			2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1 Square Feet
	General Comments						

## Span 2

#### Near Bearing

## **Other Bearing**

Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings		1	0	1	0	0 Each
515	Steel Protective Coating		1	0	0	0	1 Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty

Structure I	Number: <u>280115</u>			Inspection	n Date:	<u>05/05/2021</u>
316	Corrosion	SURFACE RUST, BEARING ASSEMBLY.	2	1	Ea	ich
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	4	1	1 Sq	uare Feet

Spa	n 2	Far	Bearing						
Othe	er Bearing								
Elen Num	nent 1ber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	arings		1	0	1	0	0	Each
515	Steel Pro	tective Coating		1	0	0	0	1	Square Feet
Element Number	t Defect Type	De	fect Description			CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST, BEAR	ING ASSEMBLY.			2	1		Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEAR	ING ASSEMBLY.			4	1		1 Square Feet
(	General Comments								

Spa	an 2		Nea	ar Bearing						
Oth	ner Beari	ng								
Ele Nu	ement Imber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	arings		1	0	1	0	0	Each
515		Steel Pro	tective Coating		1	0	0	0	1	Square Feet
Eleme Numbe	nt er Defe	ect Type	De	efect Description			CS	CS Qty	Maint Qty	
316	Corrosio	n	SURFACE RUST, BEAR	RING ASSEMBLY.			2	1	-	Each
515	Effective Protectiv	ness (Steel ve Coatings)	SURFACE RUST, BEAF	RING ASSEMBLY.			4	1		1 Square Feet
	General C	omments								

Span	2
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## Far Bearing

Oth	er Bearing							
Eler Nur	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	arings	1	0	1	0	0 Each	
515	Steel Pro	otective Coating	1	0	0	0	1 Square Fee	ət
Elemen Numbe	t r Defect Type	Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST, BEARING ASSEMBLY.			2	1	Each	
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.			4	1	1 Square I	Feet
-	General Comments							_

Other	Bea	rir	۱g
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Elerr Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Be	arings	1	0	1	0	0 Each
515	Steel Pro	tective Coating	1	0	1	0	0 Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	Surface rust			2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1 Square Feet
ī	General Comments						

Span 2

## Near Bearing

## **Other Bearing**

#### CS2 CS4 Element Total CS1 CS3 Number **Element Name** Qty Qty Qty Qty Qty 316 Other Bearings 0 Each 0 0 1 1 515 Steel Protective Coating 0 1 0 0 Square Feet 1 Element Maint Defect Type **Defect Description** CS CS Qty Qty Number 2 316 Corrosion Surface rust 1 Each Effectiveness (Steel Protective Coatings) 515 Substantially effective 2 1 1 Square Feet **General Comments**

## Span 2

#### **Near Bearing**

Other Bearing

Elen Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Be	arings	1	0	1	0	0 Each
515	Steel Pro	tective Coating	1	0	0	0	1 Square Feet
Element	t Defect Type	Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	SURFACE RUST, BEARING ASSEMBLY.			2	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.			4	1	1 Square Feet

**General Comments** 

## Span 2

#### Far Bearing

011	<b>D !</b>
Other	Bearing

Elem Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Be	earings	1	0	1	0	0 Each
515	Steel Pro	ptective Coating	1	0	0	0	1 Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	SURFACE RUST, BEARING ASSEMBLY.			2	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.			4	1	1 Square Feet

Spa	n 2	Near Bearing						
Othe	er Bearing							
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	arings	1	0	1	0	0	Each
515	Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Elemen Number	t r Defect Type	Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST, BEARING ASSEMBLY.			2	1		Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.			4	1		1 Square Feet
-	General Comments							

Spa	n 2	Far Bearing						
Othe	er Bearing							
Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	earings	1	0	1	0	0	Each
515	Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Elemen Numbei	t Defect Type	Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST, BEARING ASSEMBLY.			2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.			4	1		1 Square Feet
	General Comments							

## Span 2

30

## **Near Bearing**

#### **Other Bearing**

ent		Total	CS1	CS2	CS3	CS4
ber	Element Name	Qty	Qty	Qty	Qty	Qty
Other Bea	arings	1	0	1	0	0 Each
Steel Pro	tective Coating	1	0	1	0	0 Square Feet
Defect Type	Defect Description			CS	CS Qty	Maint Qty
Corrosion	Surface rust			2	1	Each
Effectiveness (Steel	Substantially effective			2	1	1 Square Feet
	Int Jer Other Be Steel Pro Defect Type Corrosion Effectiveness (Steel	ent ber Element Name Other Bearings Steel Protective Coating Defect Type Defect Description Corrosion Surface rust Effectiveness (Steel Substantially effective	Image: Second	Image: System     Total Qty     CS1 Qty       Other Bearings     1     0       Steel Protective Coating     1     0       Defect Type     Defect Description       Corrosion     Surface rust       Effectiveness (Steel     Substantially effective	Image: Series of the series	Int berElement NameTotal QtyCS1 QtyCS2 QtyCS3 QtyOther Bearings1010Steel Protective Coating1010Defect TypeDefect DescriptionCS CS QtyCS QtyCorrosionSurface rust21Effectiveness (SteelSubstantially effective21

Span 3 Deck Steel Deck Corrugated Element Total CS1 CS2 CS3 CS4 **Element Name** Number Qty Qty Qty Qty Qty Steel Deck Corrugated/Orthotropic/Etc. 1,124 780 0 340 4 Square Feet 1,124 515 Steel Protective Coating 0 0 340 Square Feet 784 Element Maint CS Qty cs **Defect Type Defect Description** Number Qty

Structure	Number: <u>280115</u>			Inspe	ection Da	te: 05/05/2021
30	Corrosion	2 SF OF RUST SCALE WITH UP TO 100% LOSS OF SECTION AND CONCRETE DECK EXPOSED BETWEEN BEAMS 6 AND 7, 6' FROM BENT 2. (6' from End Bent 2 similar) (PAR)	4	4	4	Square Feet
30	Corrosion	LIGHT SCALING ON 30% OF EXPOSED SURFACE, AT RANDOM THROUGHOUT DECK UNDERSIDE.	3	340	340	Square Feet
515	Effectiveness (Steel Protective Coatings)	340 SF OF FAILED COATING.	4	340	340	Square Feet
	Conoral Commonto					

## Span 3

Beam 1

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	39	19	20	0	0 Feet
515	Steel Protective Coating	254	204	40	0	10 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	20' OF SURFACE RUST ON TOP FLANGE, AT RANDOM THROUGHOUT.	2	20	Feet	
515	Effectiveness (Steel Protective Coatings)	10 SF OF FAILED COATING.	4	10	10 Square Feet	
515	Effectiveness (Steel Protective Coatings)	20 SF OF FRECKLED RUST AT RANDOM THROUGHOUT BOTTOM FLANGE.	2	20	20 Square Feet	
515	Effectiveness (Steel Protective Coatings)	20 SF OF FRECKLED RUST.	2	20	20 Square Feet	
Ī	General Comments					

## Span 3

Beam 2

## Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	39	29	10	0	0 Feet
515	Steel Protective Coating	254	232	20	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	10' OF SURFACE RUST ON TOP AND BOTTOM FLANGES, AT BENT 2 AND END BENT 2.	2	10		Feet
515	Effectiveness (Steel Protective Coatings)	2 SF OF FAILED COATING.	4	2	2	Square Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FRECKLED RUST AT RANDOM THROUGHOUT BOTTOM FLANGE.	2	10	10	Square Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FRECKLED RUST.	2	10	10	Square Feet
-	Commonte					

General Comments

Beam 3

## **Plate Girder**

Eleme Numb	ent ber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Stee	el Open Girder/Beam		39	33	6	0	0	Feet
515	Stee	el Protective Coating		254	248	0	0	6	Square Feet
lement lumber	Defect Type		Defect Description			CS	CS Qty	Maint Qty	
107 C	Corrosion	6' OF SURFACE RUS BENT 2 AND END BE	ST ON TOP AND BOTT ENT 2.	OM FLA	NGES, AT	2	6	-	Feet

Structure Number: 280115

515	Effectiveness (Steel	6' OF FAILED COATING.
	Protective Coatings)	

**General Comments** 

Spa	Span 3 Beam 4								
Plat	Plate Girder								
ElementNumberElement Name107Steel Open Girder/Beam				Total Qty 39	<b>CS1</b> Qty 33	CS2 Qty 6	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 Feet	
515	Steel Pro	otective Coating		254	248	0	0	6 Square Feet	
Elemen Number	t r Defect Type		Defect Description			CS	CS Qty	Maint Qty	
107	Corrosion	6' OF SURFACE RUS BENT 2 AND END BE	T ON TOP AND BOT	TOM FLAN	GES, AT	2	6	Feet	
515	Effectiveness (Steel Protective Coatings) General Comments	6' OF FAILED COATI	NG.			4	6	6 Square Feet	
Spa	n 3	В	eam 5						
Plat	e Girder								
Elen Nun 107	nent nber Steel Op	Element Name en Girder/Beam		Total Qty 39	<b>CS1</b> <b>Qty</b> 35	CS2 Qty 4	<b>CS3</b> <b>Qty</b> 0	CS4 Qty 0 Feet	
515	Steel Pro	ptective Coating		254	250	0	0	4 Square Feet	
Elemen	t r Defect Type		Defect Description			cs	CS Qty	Maint Otv	
107	Corrosion 4' OF SURFACE RUST ON TOP AND BOTTOM FLANGES, AT			GES, AT	2	4	Feet		
515	Effectiveness (Steel Protective Coatings)	4' OF FAILED COATI	NG.			4	4	4 Square Feet	
	General Comments								
Spa	n 3	В	eam 6						
Plat	e Girder								
Elen	nent			Total	CS1	CS2	CS3	CS4	
<b>Nun</b> 107	n <b>ber</b> Steel Op	Element Name en Girder/Beam		<b>Qty</b> 39	Qty 5	<b>Qty</b> 25	<b>Qty</b> 0	<b>Qty</b> 9 Feet	
515	Steel Pro	otective Coating		254	204	30	0	20 Square Feet	
Elemen	t Defect Type		Defect Description			CS	CS Qtv	Maint	
107	Corrosion	15" x 2 1/2" area of 1,	/8" section loss (3/8"	remaining	) on	4	2	2 Feet	
107	Corrosion	32" x 3" area of 1/8" side of top flange 40	nge at Bent 2 (PAR) section loss (3/8" rer N from Bont 2 (BAB)	naining) or	n right	4	3	3 Feet	
107	Corrosion	4' RUST SCALE BOT 1/4" REMAINING IN E (PAR)	TOM FLANGE UP TO SOTTOM FLANGE AT	0 8" IN WEI FEND BEN	B WITH T 2.	4	4	4 Feet	
107	Corrosion	25' surface rust				2	25	Feet	
515	Effectiveness (Steel Protective Coatings)	20 SF OF FAILED CO	ATING.			4	20	20 Square Feet	
515	Effectiveness (Steel Protective Coatings)	20 SF OF FRECKLED BOTTOM FLANGE.	RUST AT RANDOM	THROUGH	IOUT	2	20	20 Square Feet	
515	Effectiveness (Steel Protective Coatings)	20 SF OF FRECKLED	RUST.			2	10	20 Square Feet	

General Comments

Inspec	tion Date: 05/05/202	1
6	6 Square Feet	

4

Spa	n 3	Beam 7						
Plate	e Girder							
Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel	Open Girder/Beam	39	0	30	2	7 F	Feet
515	Steel	Protective Coating	254	184	40	0	30 \$	Square Feet
Element Number	t Defect Type	pe Defect Description				CS Qty	Maint Qty	
107	Corrosion	15" x 1" area of 1/8" section loss side of top flange, 6' from End Be	(3/8" remaining) o ent 2 (PAR)	n left	4	2	2	Feet
107	Corrosion	18" x 2" area of 1/8" section loss sides of top flange at Bent 2 (PAR	(3/8" remaining) o R)	n both	4	2	2	Feet
107	Corrosion	32" RUST SCALE TOP FLANGE V KNIFE'S EDGE ON SOUTH TOP F of 100% section loss ON BOTH SI AT END BENT 2. (PAR)	VITH SECTION LO LANGE AND 9" x IDES OF BOTH FL	SS TO 1" area ANGES	4	3	3	Feet
107	Corrosion	(2) up to 12" x 2" area of 1/16" sec remaining) left side of top flange,	ction loss (7/16" 11' from End Ben	t 2	3	2	2	Feet
107	Corrosion	30' OF SURFACE RUST ON TOP A AT RANDOM THROUGHOUT.	AND BOTTOM FLA	NGES,	2	30		Feet
515	Effectiveness (Ste Protective Coating	eel 30 SF OF FAILED COATING. gs)			4	30	30	Square Feet
515	Effectiveness (Ste Protective Coating	eel 20 SF OF FRECKLED RUST. gs)			2	20	20	Square Feet

Effectiveness (Steel 20 SF OF peeling paint with rust AT RANDOM Protective Coatings) THROUGHOUT BOTH FLANGE. General Comments

Spai	n 3	Beam 8						
Plate	e Girder							
Elem Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	-oot
107	Steel Op		39	19	20	0	U F	
515	Steer Pit		204	204	40	0	10 3	
Element Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
107	Corrosion	20' OF peeling paint with rust O FLANGES, AT RANDOM THROU	N TOP AND BOTTO JGHOUT.	М	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FAILED COATING.			4	10	10	Square Feet
515	Effectiveness (Steel Protective Coatings)	20 SF OF FRECKLED RUST AT BOTTOM FLANGE.	RANDOM THROUG	HOUT	2	20	20	Square Feet
515	Effectiveness (Steel Protective Coatings)	20 SF OF FRECKLED RUST.			2	20	20	Square Feet
Ī	General Comments							

2

20

20 Square Feet

Span 3

515

Beam 9

## **Plate Girder**

Element Number 107	Element Name Steel Open Girder/Beam		Total Qty 39	<b>CS1</b> <b>Qty</b> 29	<b>CS2</b> <b>Qty</b> 10	<b>CS3</b> <b>Qty</b> 0	<b>CS4</b> Qty 0	Feet
515	Steel Protective Coating		254	228	20	0	6	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure	Number: 280115			Inspe	ction Date: 05/05/2021
107	Corrosion	10' OF SURFACE RUST ON TOP AND BOTTOM FLANGES, AT RANDOM THROUGHOUT.	2	10	Feet
515	Effectiveness (Steel Protective Coatings)	6 SF OF FAILED COATING.	4	6	6 Square Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FRECKLED RUST AT RANDOM THROUGHOUT BOTTOM FLANGE.	2	10	10 Square Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FRECKLED RUST.	2	10	10 Square Feet

## Span 3

Beam 10

## Plate Girder

Elen Num 107	nent iber Steel Op	<b>Element Name</b> en Girder/Beam	Total Qty 39	<b>CS1</b> <b>Qty</b> 27	<b>CS2</b> <b>Qty</b> 10	<b>CS3</b> Qty 2	CS4 Qty 0 Feet
515	Steel Pro	tective Coating	254	224	20	0	10 Square Feet
Element Number	Defect Type	Defect Description	on		CS	CS Qty	Maint Qty
107	Corrosion	18" x 2" area of 1/16" section loss (7/ sides of bottom flange near midspan	16" remaining)	) on both	3	2	Feet
107	Corrosion	10' OF SURFACE RUST ON TOP AND AT RANDOM THROUGHOUT.	BOTTOM FLA	NGES,	2	10	Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FAILED COATING.			4	10	10 Square Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FRECKLED RUST AT RAND BOTTOM FLANGE.	OM THROUGI	HOUT	2	10	10 Square Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FRECKLED RUST.			2	10	10 Square Feet
	General Comments						

## Span 3

Beam 11

## Plate Girder

Elen Nurr	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	39	17	15	0	7 F	eet
515	Steel Pro	tective Coating	254	219	20	0	15 S	quare Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	
107	Corrosion	7' x 2" area of 1/8" section loss (3/8" reasides of top flange near midspan (PAR)	" x 2" area of 1/8" section loss (3/8" remaining) on both ides of top flange near midspan (PAR)			7	7	Feet
107	Corrosion	15' OF SURFACE RUST ON TOP AND B AND WEB, AT RANDOM THROUGHOUT	OTTOM FLA	NGES	2	15		Feet
515	Effectiveness (Steel Protective Coatings)	15 SF OF FAILED COATING.			4	15	15	Square Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FRECKLED RUST AT RANDO BOTTOM FLANGE.	M THROUG	HOUT	2	10	10	Square Feet
515	Effectiveness (Steel Protective Coatings)	10 SF OF FRECKLED RUST.			2	10	10	Square Feet
Ī	General Comments							
Span 3

### **Plate Girder**

Elen Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	en Girder/Beam	39	6	0	30	3 F	eet
515	Steel Pro	tective Coating	254	184	40	0	30 S	quare Feet
Element Number	Defect Type	Defect Description	1		CS	CS Qty	Maint Qty	
107	Corrosion	0" x 1 1/2" area of 1/8" section loss (3/8" remaining) on oth sides of top flange, 11' from End Bent 2 (PAR)			4	2	2	Feet
107	Corrosion	6" x 2" area of 1/8" section loss (3/8" re sides of top flange, 9' from End Bent 2	" x 2" area of 1/8" section loss (3/8" remaining) on both des of top flange, 9' from End Bent 2 (PAR)			1	1	Feet
107	Corrosion	30' OF LIGHT SCALING WITH ISOLATED LOCATIONS SURFACE RUST ON TOP AND BOTTOM FLANGES, AT RANDOM THROUGHOUT			3	30	30	Feet
515	Effectiveness (Steel Protective Coatings)	30 SF OF FAILED COATING.			4	30	30	Square Feet
515	Effectiveness (Steel 20 SF OF FRECKLED RUST AT RAND Protective Coatings) BOTTOM FLANGE.		M THROUGH	IOUT	2	20	20	Square Feet
515	Effectiveness (Steel Protective Coatings)	iveness (Steel 20 SF OF FRECKLED RUST. ctive Coatings)			2	20	20	Square Feet
(	General Comments							

Span 3

Wearing Surface

### Asphalt Wearing Surface

Elem Num	ient ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing S	Surface	1,110	330	30	750	0 Square Feet
Element Number	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	MAP CRACKING UP TO 1/4" AT RAN ASPHALT WEARING SURFACE. (PH EASTBOUND LANE 1' FROM END BI	IDOM THROUG OTO TAKEN IN ENT 2)	ihout I	3	750	750 Square Feet
510	Patched Area/Pothole (Wearing Surface)	(2) UP TO 5' X 3' PATCHED AREAS, I NEAR CENTERLINE, AT BENT 2 AND TAKEN AT END BENT 2)	IN WESTBOUN D END BENT 2.	D LANE (PHOTO	2	30	Square Feet

#### General Comments

OVERLAY OVERLAPS END BENT 2 JOINT AND COVERS PREVIOUS CRACKING DEFECT.

Spa	in 3	Left Bridge Ra	ail					
Stee	el Rail							
Eler Nur	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bri	dge Railing	40	0	40	0	0	Feet
515	Steel Pro	tective Coating	140	60	0	0	80	Square Feet
Elemen Numbe	t r Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty	
330	Corrosion	SURFACE RUST AT RANDOM THRO AND CURB RAIL. (PHOTO TAKEN N	UGHOUT GUAI	RDRAIL 72)	2	40		Square Feet
515	Effectiveness (Steel Protective Coatings)	60 SF OF FAILED COATING.		-	4	80	80	O Square Feet
-	General Comments							

#### Span 3

Stee	l Rai	
Oluce	1 1 1 4 1	

Elem Num	ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bri	bge Railing	40	0	40	0	0 Feet
515	Steel Pro	tective Coating	140	60	0	0	80 Square Feet
Element Number	Defect Type	Defect Descrip	otion		CS	CS Qty	Maint Qty
330	Corrosion	SURFACE RUST AT RANDOM THR AND CURB RAIL.	OUGHOUT GUA	RDRAIL	2	40	Square Feet
515	Effectiveness (Steel Protective Coatings)	60 SF OF FAILED COATING.			4	80	80 Square Feet

Span 3

**Far Bearing** 

#### **Other Bearing**

#### CS4 Element Total CS1 CS2 CS3 Number **Element Name** Qty Qty Qty Qty Qty 316 Other Bearings 1 0 1 0 0 Each 515 Steel Protective Coating 1 0 0 0 1 Square Feet Element Maint **Defect Type Defect Description** CS CS Qty Number Qty SURFACE RUST, BEARING ASSEMBLY. 2 316 Corrosion 1 Each 515 Effectiveness (Steel SURFACE RUST, BEARING ASSEMBLY. 4 1 1 Square Feet **Protective Coatings)**

**General Comments** 

Span 3

#### **Far Bearing**

Other Bearing

Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Be	earings	1	0	1	0	0 Each
515	Steel Pro	otective Coating	1	0	1	0	0 Square Feet
Elemen Number	t r Defect Type	Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	surface rust			2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1 Square Feet
-	General Comments						

Span 3

#### Far Bearing

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Elen Nurr	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	arings	1	0	1	0	0	Each
515	Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Element Number	t Defect Type	Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST, BEARING ASSEMBLY.			2	1		Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.			4	1		1 Square Feet

Spa	n 3		Far Bearing						
Oth	er Bearing								
Eler Nun	nent nber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	arings		1	0	1	0	0	Each
515	Steel Pro	otective Coating		1	0	1	0	0	Square Feet
Elemen Numbe	t r Defect Type		Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion	surface rust				2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effect	ive			2	1		1 Square Feet
-	General Comments								

Spa	n 3	Far Bearing						
Othe	er Bearing							
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Be	arings	1	0	1	0	0	Each
515	Steel Pro	ptective Coating	1	0	0	0	1	Square Feet
Elemen Number	t r Defect Type	Defect Description			CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST, BEARING ASSEMBLY.			2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.			4	1		1 Square Feet
-	General Comments							

### Span 3

### Near Bearing

### **Other Bearing**

Elen Num	nent Iber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316		Other Be	arings	1	0	1	0	0	Each
515		Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Element Number	t	Defect Type	Defect Description	1		CS	CS Qty	Maint Qty	
316	Corro	osion	SURFACE RUST, BEARING ASSEMBLY	<i>(</i> .		2	1	-	Each
515	Effec Prote	tiveness (Steel ective Coatings)	SURFACE RUST, BEARING ASSEMBLY	<i>(</i> .		4	1		1 Square Feet

**General Comments** 

### Span 3

### Far Bearing

Other B	earing							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings		1	0	1	0	0	Each
515	Steel Protective Coating		1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty	

Structure	Number: <u>280115</u>			Inspe	ction Date: <u>05/05/2021</u>
316	Corrosion	SURFACE RUST, BEARING ASSEMBLY.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.	4	1	1 Square Feet

Span	13		Far Bearing					
Othe	r Bearing							
Elem Num 316	<b>ent</b> ber Other	Element Name Bearings		Total Qty 1	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> Qty 1	<b>CS3</b> <b>Qty</b> 0	<b>CS4</b> Qty 0 Each
515	Steel	Protective Coating		1	0	1	0	0 Square Feet
Element Number	Defect Type		Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	surface rust				2	1	Each
515	Effectiveness (Stee Protective Coating	iffectiveness (Steel Substantially effective Protective Coatings)				2	1	1 Square Feet
G	eneral Comments		Far Boaring					
Othe	r Bearing		i ai Dearing					
Elem Num	ent ber	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other	Bearings		1	0	1	0	0 Each
515	Steel	Protective Coating		1	0	1	0	0 Square Feet
Element	Defect Type		Defect Description			CS	CS Qty	Maint

Numbe	f				Qty
316	Corrosion	surface rust	2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	1	1 Square Feet
	General Comments				

Span 3

### Far Bearing

Other Bearing

nent iber Other Be	Element Name arings	Total Qty 1	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> Qty 1	<b>CS3</b> <b>Qty</b> 0	<b>CS4</b> Qty 0 Each
Steel Pro	tective Coating	1	0	1	0	0 Square Feet
Defect Type	Defect Description	on		CS	CS Qty	Maint Qty
Corrosion	surface rust			2	1	Each
Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1 Square Feet
	Defect Type Corrosion Effectiveness (Steel Protective Coatings)	hent her Element Name Other Bearings Steel Protective Coating Defect Type Corrosion Effectiveness (Steel Protective Coatinally effective Protective Coatings)	Index   Total Qty     Other Bearings   1     Other Bearings   1     Steel Protective Coating   1     Image: Defect Type   Defect Description     Corrosion   surface rust     Effectiveness (Steel   Substantially effective     Protective Coatings   Substantially effective	Index   Element Name   Total Qty   CS1 Qty     Other Bearings   1   0     Steel Protective Coating   1   0     t   Defect Type   Defect Description     Corrosion   surface rust     Effectiveness (Steel   Substantially effective     Protective Coatings   1	Total ber   CS1 CS2 Qty     Other Bearings   1     Other Bearings   1     Steel Protective Coating   1     Defect Type   Defect Description     Corrosion   surface rust     Effectiveness (Steel Substantially effective     Protective Coatings	Index beerElement NameTotal QtyCS1 QtyCS2 QtyCS3 QtyOther Bearings1010Steel Protective Coating1010tDefect TypeDefect DescriptionCSCS QtyCorrosionsurface rust21Effectiveness (Steel Protective Coatings)Substantially effective21

Structure Number: 280115

Near Bearing

## Other Bearing

Span 3

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Elen Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Be	earings	1	0	1	0	0 Each
515	Steel Pro	ptective Coating	1	0	0	0	1 Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty
316	Corrosion	SURFACE RUST, BEARING ASSEMBLY.			2	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE RUST, BEARING ASSEMBLY.			4	1	1 Square Feet
7	Conoral Commonts						

General Comments

#### Span 3

#### **Far Bearing**

### **Other Bearing**

#### Element Total CS1 CS2 CS3 CS4 Qty Number **Element Name** Qty Qty Qty Qty 316 Other Bearings 0 Each 0 0 1 1 515 Steel Protective Coating 0 1 0 0 Square Feet 1 Element Maint **Defect Description** CS CS Qty **Defect Type** Qty Number 2 316 Corrosion surface rust 1 Each Effectiveness (Steel Protective Coatings) 515 Substantially effective 2 1 1 Square Feet **General Comments**

#### Span 3

#### Far Bearing

#### Other Bearing

Elen Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other B	earings	1	0	1	0	0 Each
515	Steel Pr	otective Coating	1	0	1	0	0 Square Feet
Element Number	Defect Type	Defect Description	ı		CS	CS Qty	Maint Qty
316	Corrosion	surface rust			2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	1	1 Square Feet

**General Comments** 

#### Cap 1

### Steel Pier Cap

End Bent 1

Elen Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
231	Steel Pie	er Cap	34	24	0	10	0 Feet
515	Steel Pro	otective Coating	197	175	0	0	22 Square Feet
Element Number	Defect Type	Defect Descri	Defect Description			CS Qty	Maint Qty
231	Corrosion	SURFACE CORROSION WITH LIGH FLANGE BETWEEN BEAMS 5 THR	IT SCALING ON OUGH 9.	ТОР	3	10	10 Feet
515	Effectiveness (Steel Protective Coatings)	22 SF OF FAILED COATING.			4	22	22 Square Feet

Effectiveness (Steel 60 SF OF FRECKLED RUST.

Protective Coatings)

515

1/4" WELDED PLATE REPAIR TO TOP FLANGE WITH ADDED ANGLE PLATES TO THE BOTTOM FLANGE AND WEB BETWEEN BEAMS 6 AND 7.

Ben	t 1		C	ap 1						
Stee	l Pier Cap									
Elen	nent				Total	CS1	CS2	CS3	CS4	
Num	nber		Element Name		Qty	Qty	Qty	Qty	Qty	
231		Steel Pie	r Cap		34	7	25	0	2 F	eet
515		Steel Pro	tective Coating		197	97	20	0	80 \$	Square Feet
Element	t Defect 1	Гуре		Defect Descripti	on		CS	CS Qty	Maint Qty	
231	Corrosion		20" x 2" area of 1/4" side of top flange up	section loss (1/4	" remaining) on	Span 1	4	2	2	Feet
231	Corrosion		30' OF SURFACE RU FRECKLED RUST ON UP TO 5" IN WEB, AT WEST FACES.	ST WITH ISOLA N TOP AND BOT RANDOM THR	TED LOCATION TOM FLANGES DUGHOUT EAS	S AND T AND	2	30		Feet
515	Effectivenes	s (Steel patings)	80 SF OF FAILED CO	ATING.			4	80	80	Square Feet
515	Effectivenes	s (Steel	20 SF OF FRECKLED	RUST.			2	20	20	Square Feet
ī	General Comr	nents								
	29" X 5" >	(4.5" X 1	2" THICK CAP REPAIR	R BETWEEN BEA	MS 6 AND 7.					
Ben	t 1		Р	ile 1						
Stee	el Column									
Elen	nent				Total	CS1	CS2	CS3	CS4	
Num	nber		Element Name		Qty	Qty	Qty	Qty	Qty	
202		Steel Col	umn		1	0	1	0	0 E	lach
515		Steel Pro	tective Coating		118	110	0	0	8 5	Square Feet
Element	t Defect 1	Гуре		Defect Descripti	on		cs	CS Qty	Maint Qtv	
202	Corrosion		10' OF SURFACE RU THROUGHOUT.	ST ON ALL SUR	FACES, AT RAI	NDOM	2	1		Each
202	Scour		20' x 7' x 6' deep sco	ur on End Bent 1	l slope		2			Each
515	Effectivenes: Protective Co	s (Steel patings)	10 SF OF FAILED CO	ATING.			4	8	8	Square Feet
Ī	General Comr	nents								
	(3) UP TO (PHOTO	) 16" X 9" TAKEN C	X 1/4" WELDED REPA N EAST FLANGE)	NR PLATES ON E	EAST AND WES	T FLANG	ES, 14' F	ROM BOT	TOM OF	CAP.
	2' REPAI	RED CRC	SS BRACING ANGLE	ON EAST BRACI	NG CONNECTIO	ON.				
Ben	t 1		Р	ile 2						
Stee	el Column									
Elen	nent		Elomont Name		Total	CS1	CS2	CS3	CS4	
202		Steel Col	umn		αι <b>γ</b> 1	0 0	αι <b>γ</b> 1	0 0	ωτ <b>γ</b> Ο Ε	ach
515		Steel Pro	tective Coating		118	28	60	0	30 5	Square Feet
Element	t Defect 7	[vno		Defect Deceri-+			<u> </u>	CS 044	Maint	
Number		уре					65	CS QTY	Qty	<b>_</b> .
202	Corrosion		20' OF FRECKLED R SURFACE RUST ON	UST WITH ISOLA	ATED LOCATIO	NS	2	1		Each
515	Effectivenes: Protective Co	s (Steel patings)	30 SF OF FAILED CO	ATING.			4	30	30	Square Feet

2

60

60 Square Feet

Ben	t 1	Pile 3						
Stee	el Column							
Elen Num	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
202	Steel Co	lumn	1	0	0	0	1 E	ach
515	Steel Pro	otective Coating	118	38	40	0	40 S	quare Feet
Elemen Number	t Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
202	Corrosion	1" x 10" area of 1/8" section loss (3 flange at diagonal bracing connect	8/8" remaining) or tion (PAR)	n Span 2	4	1	1	Each
202	Connection	BRACING WELD ON EAST FLANG	E IS 80% INEFFE	CTIVE.	3		1	Each
202	Corrosion 10' OF FRECKLED RUST WITH ISOLATED LOCATIONS SURFACE RUST ON ALL SURFACES, AT RANDOM THROUGHOUT.							Each
515	Effectiveness (Steel Protective Coatings)	40 SF OF FAILED COATING.			4	40	40	Square Feet
515	15 Effectiveness (Steel 40 SF OF FRECKLED RUST. Protective Coatings)					40	40	Square Feet
Ī	General Comments							
	1' X 6" X 1/4" WEL	DED REPAIR PLATE ON THE WEST	FACE AT BOTTO	M OF PILE				
Ben	t 1	Pile 4						
Stee	el Column							
Elen Nun	nent 1ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
202	Steel Co	lumn	1	0	1	o	ΌΕ	ach
515	Steel Pro	tective Coating	118	83	20	0	15 S	quare Feet
Elemen Number	t Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
202	Corrosion	10' OF FRECKLED RUST WITH ISC SURFACE RUST ON ALL SURFAC THROUGHOUT.	ES, AT RANDOM	NS	2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	15 SF OF FAILED COATING.			4	15	15	Square Feet
515	Effectiveness (Steel Protective Coatings)	20 SF OF FRECKLED RUST.			2	20	20	Square Feet
Ī	General Comments							
	2' ANGLE PLATE	WELDED REPAIR TO CROSS BRACI	NG MEMBER AND	PILE 4 C	N THE \	NEST FAC	E.	

End	Bent 1	ļ
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Abutment

### **Reinforced Concrete Abutment**

Elerr Num	lent ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment340				0	32	2 Feet	
Element Number	Defect Type	efect Type Defect Description					Maint Qty	
215	Scour	19" x 12" x 5" high erosion with 9" deep undermining under End Bent 1 cap at East end (PAR)			4	2	2 Feet	
215	Cracking (RC and Other)	24' X UP TO 1/16" HORIZONTAL CRACK THROUGHOUT EAST FACE OF ABUTMENT BETWEEN BEAMS 2 THROUGH 10. (PHOTO TAKEN BETWEEN BEAMS 3 AND 4)			3	15	24 Feet	
215	Cracking (RC and Other)	8' X UP TO 1/16" HORIZONTAL CRAC BACKWALL BETWEEN BEAMS 5 AND BETWEEN BEAMS 5 AND 6)	K IN ABUTMEI D 7. (PHOTO TA	NT AKEN IN	3	5	8 Feet	

Structure	Number: 280115			Inspe	ection Date: 05/05/2	<u>2021</u>
215	Delamination/Spall	(12) UP TO 18" X UP TO 3" X 1" SPALLS ON SOUTH BEAM INTERFACE IN ABUTMENNT BACKWALL AT ALL BEAM ENDS. (PHOTO TAKEN IN BETWEEN BEAMS 5 AND 6)	3	12	16 Feet	
215	Exposed Rebar	16" x 9" x UP TO 1 1/2" SPALL, WITH EXPOSED REINFORCING, WITH 20% LOSS OF SECTION OF EXPOSED REINFORCING UNDER Bay 6.	3		2 Feet	
215	Cracking (RC and Other)	9' X UP TO 1/32" HORIZONTAL CRACK IN ABUTMENT BACKWALL BETWEEN BEAMS 8 THROUGH 11.	2		Feet	
215	Exposed Rebar	4" DIAMETER X 1" SPALL, WITH EXPOSED REINFORCING, 6" FROM TOP OF CAP BETWEEN BEAMS 5 AND 6.	2		1 Feet	

13" X 5" X 6" X 1/2" ANGLE REPAIR AT NORTH END.

End	Bent 2	Cap 1						
Stee	l Pier Cap							
Elen Num 231	nent iber Steel Pie	Element Name r Cap	Total Qty 34	<b>CS1</b> Qty 19	<b>CS2</b> Qty 15	<b>CS3</b> <b>Qty</b> 0	<b>CS4</b> Qty 0	Feet
515	Steel Pro	tective Coating	197	197	0	0	0	Square Feet
Element Number	t Defect Type	Defect Description			CS	CS Qty	Maint Qty	
231	Corrosion	15' surface rust on both flanges			2	15	-	Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective			2	8		8 Square Feet

General Comments

Bent 2	
Steel Pier Cap	

Cap 1

#### CS1 CS2 CS3 CS4 Element Total Element Name Qty Number Qty Qty Qty Qty Steel Pier Cap 231 0 Feet 9 25 34 0 515 20 0 Steel Protective Coating 197 97 80 Square Feet Element Maint CS Qty Defect Type **Defect Description** cs Number Qty Corrosion 25' OF SURFACE RUST WITH ISOLATED LOCATIONS 2 231 25 Feet FRECKLED RUST ON TOP AND BOTTOM FLANGES AND UP TO 5" IN WEB, AT RANDOM THROUGHOUT EAST AND WEST FACES. 80 SF OF FAILED COATING. 515 Effectiveness (Steel 4 80 80 Square Feet **Protective Coatings)** 515 Effectiveness (Steel 20 SF FRECKLED RUST. 2 20 20 Square Feet **Protective Coatings) General Comments**

Bent 2

Pile 1

### **Steel Column**

Elen Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
202	Steel Co	lumn	1	0	1	0	0 Each
515	Steel Pro	tective Coating	118	82	30	0	6 Square Feet
Element Number	Defect Type	Defect Descript	ion		CS	CS Qty	Maint Qty
202	Corrosion	orrosion 8' OF FRECKLED RUST WITH ISOLATED LOCATIONS SURFACE RUST ON ALL SURFACES, AT RANDOM THROUGHOUT.			2	1	Each
515	Effectiveness (Steel Protective Coatings)	6 SF OF FAILED COATING.			4	6	6 Square Feet

2

20

20 Square Feet

2

#### 515 Effectiveness (Steel 30 SF OF FRECKLED RUST.

Protective Coatings) **General Comments** 

3' ANGLE PLATE WELDED REPAIR TO CROSS BRACING MEMBER ON EAST FACE AT MID SPAN.

(4) UP TO 2' X 10" X 1/2" WELDED REPAIR PLATES ON NORTH AND SOUTH FACES, AT SOIL INTERFACE. (PHOTO TAKEN NORTH FACE)

Ben	t 2	Pile 2						
Stee	el Column							
Elen Nun 202	nent nber Steel Co	Element Name	Total Qty 1	<b>CS1</b> <b>Qty</b> 0	<b>CS2</b> Qty 1	<b>CS3</b> Qty 0	CS4 Qty 0 E	Each
515	Steel Pro	otective Coating	118	78	20	0	20 S	Square Feet
Elemen Number	t Defect Type	Defect [	Description		CS	CS Qty	Maint Qty	
202	Corrosion	12' OF FRECKLED RUST WITH ISOLATED LOCATIONS SURFACE RUST ON ALL SURFACES, AT RANDOM THROUGHOUT.		2	1		Each	
515	Effectiveness (Steel Protective Coatings)	20 SF OF FAILED COATING.			4	20	20	Square Feet
515	Effectiveness (Steel Protective Coatings)	20 SF OF FRECKLED RUST.			2	20	20	Square Feet
-	General Comments							

Cteel	Cali

Bent 2

Pile 3

### **Steel Column**

Elen Num	nent Iber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
202	Steel Co	lumn	1	0	1	0	0	Each
515	Steel Pro	tective Coating	118	86	20	0	12	Square Feet
Element Number	Defect Type	Defect Descri	ption		CS	CS Qty	Maint Qty	
202	Corrosion	8' OF FRECKLED RUST WITH ISO SURFACE RUST ON ALL SURFAC THROUGHOUT.	LATED LOCATIONS	5	2	1		Each
515	Effectiveness (Steel Protective Coatings)	16 SF OF FAILED COATING.			4	16	16	Square Feet

**Protective Coatings) General Comments** 

Effectiveness (Steel

#### Pile 4

20 SF OF FRECKLED RUST.

### **Steel Column**

Bent 2

515

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
202	Steel Column	1	0	1	0	0 Each
515	Steel Protective Coating	118	92	20	0	6 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
202	Corrosion	15' OF FRECKLED RUST WITH ISOLATED LOCATIONS SURFACE RUST ON ALL SURFACES, AT RANDOM THROUGHOUT.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	6 SF OF FAILED COATING.	4	6	6 Square Feet
515	Effectiveness (Steel Protective Coatings)	20 SF OF FRECKLED RUST.	2	20	20 Square Feet

2' ANGLE PLATE WELDED REPAIR TO CROSS BRACING MEMBER AND PILE 4 ON THE WEST FACE.

End	Bent 2	Abutment						
Rein	forced Concrete	Abutment						
Elem Num 215	nent Iber Reinford	Element Name ed Concrete Abutment	Total Qty 34	CS1 Qty 4	<b>CS2</b> Qty 25	<b>CS3</b> Qty 5	CS4 Qty 0 Feet	
Element Number	Defect Type	Defect Descrip	tion		cs	CS Qty	Maint Qty	
215	Delamination/Spall	(5) UP TO 9" x 21" x 1 1/2" SPALLS and area of delamination ON NORTH BEAM INTERFACE IN ABUTMENNT BACKWALL AT BEAM ENDS BETWEEN BEAMS 8 THROUGH 12.		3	5	7 Feet		
215	Cracking (RC and Other)	and (4) UP TO 2 1/2' X 1/32" VERTICAL CRACKS AT RANDOM THROUGHOUT WEST FACE OF ABUTMENT. (PHOTO TAKEN BENEATH BEAM 10)		2	9	Feet		
215	Cracking (RC and Other)	15' X UP TO 1/32" HORIZONTAL ON ABUTMENT WALL BETWEEN BEA	I WEST FACE OF MS 8 THROUGH	UPPER	2	15	Feet	
215	Exposed Rebar	4" x 2" x 1/2" deep spalls with expo	sed rebar at Sou	ith end	2	1	1 Feet	

**General Comments** 

## **Elements Verfied**

Span 1DeckSteel Deck CorrugatedSteel Deck Corrugated/Orthotropic/Etc.983Span 1Beam 1Plate GirderSteel Open Girder/Beam34Span 1Beam 2Plate GirderSteel Open Girder/Beam34Span 1Beam 3Plate GirderSteel Open Girder/Beam34Span 1Beam 3Plate GirderSteel Open Girder/Beam34Span 1Beam 4Plate GirderSteel Open Girder/Beam34Span 1Beam 5Plate GirderSteel Open Girder/Beam34Span 1Beam 6Plate GirderSteel Open Girder/Beam34Span 1Beam 6Plate GirderSteel Open Girder/Beam34Span 1Beam 7Plate GirderSteel Open Girder/Beam34Span 1Beam 7Plate GirderSteel Open Girder/Beam34Span 1Beam 8Plate GirderSteel Open Girder/Beam34Span 1Beam 9Plate GirderSteel Open Girder/Beam34Span 1Beam 10Plate GirderSteel Open Girder/Beam34Span 1Beam 11Plate GirderSteel Open Girder/Beam34Span 1Beam 12Plate GirderSteel Open Girder/Beam34Span 1Beam 12Plate GirderSteel Open Girder/Beam34Span 1Left Bridge RailSteel RailMetal Bridge Railing35Span 1Nearing SurfaceAsphalt Wearing SurfaceWearing Surface972Span 1Near BearingOther Be	Location
Span 1Beam 1Plate GirderSteel Open Girder/Beam34Span 1Beam 2Plate GirderSteel Open Girder/Beam34Span 1Beam 3Plate GirderSteel Open Girder/Beam34Span 1Beam 4Plate GirderSteel Open Girder/Beam34Span 1Beam 5Plate GirderSteel Open Girder/Beam34Span 1Beam 6Plate GirderSteel Open Girder/Beam34Span 1Beam 6Plate GirderSteel Open Girder/Beam34Span 1Beam 7Plate GirderSteel Open Girder/Beam34Span 1Beam 8Plate GirderSteel Open Girder/Beam34Span 1Beam 9Plate GirderSteel Open Girder/Beam34Span 1Beam 9Plate GirderSteel Open Girder/Beam34Span 1Beam 10Plate GirderSteel Open Girder/Beam34Span 1Beam 11Plate GirderSteel Open Girder/Beam34Span 1Beam 12Plate GirderSteel Open Girder/Beam34Span 1Keith Bridge RailSteel RailMetal Bridge Railing35Span 1Keith Bridge RailSteel RailMetal Bridge Railing35Span 1Near BearingOther BearingOther Bearings	Span 1
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	Span 1
Span 1       Far Bearing       Other Bearing       Other Bearing       1	Span 1
Span 1       Near Bearing       Other Bearing       Other Bearing       1	Span 1
Span 1       Near Bearing       Other Bearing       Other Bearing       1	Span 1
Span 1       Far Bearing       Other Bearing       Other Bearing       1	Span 1
Span 1       Far Bearing       Other Bearing       Other Bearing       1	Span 1
Span 1       Near Bearing       Other Bearing       Other Bearing       1	Span 1
Span 1       Near Bearing       Other Bearing       Other Bearing       1	Span 1
Span 1       Far Bearing       Other Bearing       Other Bearings       1	Span 1
Span 1       Far Bearing       Other Bearing       Other Bearings       1	Span 1
Span 1       Near Bearing       Other Bearing       Other Bearing       1	Span 1
Span 1       Near Bearing       Other Bearing       Other Bearings       1	Span 1
Span 1       Far Bearing       Other Bearing       Other Bearing       1	Span 1
Span 1       Far Bearing       Other Bearing       Other Bearings       1	Span 1
Span 1       Near Bearing       Other Bearing       Other Bearing       1	Span 1
Span 1       Near Bearing       Other Bearing       Other Bearing       1	Span 1
Span 1       Far Bearing       Other Bearing       Other Bearings       1	Span 1
Span 1       Far Bearing       Other Bearing       Other Bearing       1	Span 1
Span 1       Near Bearing       Other Bearing       Other Bearings       1	Span 1
Span 1       Near Bearing       Other Bearing       Other Bearing       1	Span 1
Span 1       Far Bearing       Other Bearing       Other Bearings       1	Span 1
Span 1       Far Bearing       Other Bearing       Other Bearing       1	Span 1
Span 1       Near Bearing       Other Bearing       Other Bearings       1	Span 1
Span 2       Deck       Steel Deck Corrugated       Steel Deck Corrugated/Orthotropic/Etc.       1404	Span 2
Span 2       Beam 1       Plate Girder       Steel Open Girder/Beam       50	Span 2
Span 2 Beam 2 Plate Girder Steel Open Girder/Beam 50	Span 2
Span 2 Beam 3 Plate Girder Steel Open Girder/Beam 50	Span 2
Span 2       Beam 4       Plate Girder       Steel Open Girder/Beam       50	Span 2

## **Elements Verfied**

Location	Name	Component	Element Name	Amount
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
Span 2	Beam 10	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 11	Plate Girder	Steel Open Girder/Beam	50
Span 2	Beam 12	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	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1388
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Deck	Steel Deck Corrugated	Steel Deck Corrugated/Orthotropic/Etc.	1124
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	39
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	39
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	39
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	39
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	39
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	39
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	39
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	39
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	39

## **Elements Verfied**

Location	Name	Component	Element Name	Amount
Span 3	Beam 10	Plate Girder	Steel Open Girder/Beam	39
Span 3	Beam 11	Plate Girder	Steel Open Girder/Beam	39
Span 3	Beam 12	Plate Girder	Steel Open Girder/Beam	39
Span 3	Left Bridge Rail	Steel Rail	Metal Bridge Railing	40
Span 3	Right Bridge Rail	Steel Rail	Metal Bridge Railing	40
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1110
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Bent 1	Cap 1	Steel Pier Cap	Steel Pier Cap	34
Bent 1	Pile 1	Steel Column	Steel Column	1
Bent 1	Pile 2	Steel Column	Steel Column	1
Bent 1	Pile 3	Steel Column	Steel Column	1
Bent 1	Pile 4	Steel Column	Steel Column	1
End Bent 1	Cap 1	Steel Pier Cap	Steel Pier Cap	34
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	34
Bent 2	Cap 1	Steel Pier Cap	Steel Pier Cap	34
Bent 2	Pile 1	Steel Column	Steel Column	1
Bent 2	Pile 2	Steel Column	Steel Column	1
Bent 2	Pile 3	Steel Column	Steel Column	1
Bent 2	Pile 4	Steel Column	Steel Column	1
End Bent 2	Cap 1	Steel Pier Cap	Steel Pier Cap	34
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	34

# **General Inspection Notes**

# **National Bridge and NC Inspection Items**

Structure Number: 280115

Inspection Date: 05/05/2021

#### National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	4
Item 59: Superstructure	0 - 9 , N	5
Item 60: Substructure	0 - 9 , N	5
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	6

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	G		
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		F		
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		
Superstructure Paint Code		Α		

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

#### **Inspection Information**

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	7
Traffic Control Time	Hours	0
Snooper Time	Hours	0
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N
Portion of Structure in > 3' of water	YES/NO	N

# National Bridge and NC SMU Inspection Item Details

Structure Number: 28	30115
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Inspection Date: 05/05/2021

Item	Substructure - Item 60	Grade	5	Maint Code	Qty.	0
Details	Temporary Shoring-Plates were welded to the following lo	cations:	Dent 4 Dile	2 Dent 4 Dile 4 Dent		Dent 0 Dile

End Bent 1 Cap, End Bent 1 Abutment, Bent 1 Cap, Bent 1 Pile 1, Bent 1 Pile 3, Bent 1 Pile 4, Bent 2 Pile 1, Bent 2 Pile 4, 4,

Date: 05/05/2021

**Condition Photos** 



Span 1 Wearing Surface: 45 square feet up to 1/4" transverse cracks



Span 1 Wearing Surface: (2) UP TO 35' x 1/2" LONGITUDINAL CRACKS IN Eastbound LANE.

Date: 05/05/2021

**Condition Photos** 



Span 1 Right Bridge Rail: SURFACE RUST AT RANDOM THROUGHOUT GUARDRAIL AND CURB RAIL.



Span 2 Wearing Surface: 7' x 5' PATCHED AREA AT CENTERLINE OF ROADWAY AT BENT 1.

Date: 05/05/2021

**Condition Photos** 



Span 2 Wearing Surface: 27' x UP TO 5' PATCHED AREA AT BENT 2 JOINT.



Span 3 Wearing Surface: (2) UP TO 5' x 3' PATCHED AREAS, IN Westbound LANE NEAR CENTERLINE, AT BENT 2 AND END BENT 2. (PHOTO TAKEN AT END BENT 2)

Date: 05/05/2021

**Condition Photos** 



Span 3 Wearing Surface: MAP CRACKING UP TO 1/4" AT RANDOM THROUGHOUT ASPHALT WEARING SURFACE. (PHOTO TAKEN IN Eastbound LANE 1' FROM END BENT 2)



End Bent 2 Abutment: (5) UP TO 9" x 21" x 1 1/2" SPALLS and area of delamination ON NORTH BEAM INTERFACE IN ABUTMENNT BACKWALL AT BEAM ENDS BETWEEN BEAMS 8 THROUGH 12.

Date: 05/05/2021

#### **Condition Photos**



End Bent 2 Abutment: (4) UP TO 2 1/2' x 1/32" VERTICAL CRACKS AT RANDOM THROUGHOUT WEST FACE OF ABUTMENT. (PHOTO TAKEN BENEATH BEAM 10)



End Bent 2 Abutment: 15' x UP TO 1/32" HORIZONTAL ON WEST FACE OF UPPER ABUTMENT WALL BETWEEN BEAMS 8 THROUGH 11.

Date: 05/05/2021

**Condition Photos** 



End Bent 2 Cap 1: 15' surface rust on both flanges



Span 3 Beam 12: 20" x 1 1/2" area of 1/8" section loss (3/8" remaining) on both sides of top flange, 11' from End Bent 2 (PAR)

Date: 05/05/2021

**Condition Photos** 



Span 3 Beam 12: 6" x 2" area of 1/8" section loss (3/8" remaining) on both sides of top flange, 9' from End Bent 2 (PAR)



Span 3 Beam 11: 7' x 2" area of 1/8" section loss (3/8" remaining) on both sides of top flange near midspan (PAR)

Date: 05/05/2021

**Condition Photos** 



Span 3 Far Bearing: surface rust



Span 3 Beam 8: 15' OF peeling paint with rust ON TOP AND BOTTOM FLANGES, AT RANDOM THROUGHOUT.

Date: 05/05/2021

#### **Condition Photos**



Span 3 Beam 7: 32" RUST SCALE TOP FLANGE WITH SECTION LOSS TO KNIFE'S EDGE AND 9" x 1" area of 100% section loss ON BOTH TOP FLANGES AT END BENT 2. (PAR)



Span 3 Beam 7: 20' peeling paint with rust



Span 3 Beam 7: 15" x 1" area of 1/8" section loss (3/8" remaining) on left side of top flange, 6' from End Bent 2 (PAR)



Span 3 Beam 6: 4' RUST SCALE BOTTOM FLANGE UP TO 8" IN WEB WITH 1/4" REMAINING IN BOTTOM FLANGE AT END BENT 2. (PAR)

Date: 05/05/2021

**Condition Photos** 



Span 3 Deck: 2 SF OF RUST SCALE WITH UP TO 100% LOSS OF SECTION AND CONCRETE DECK EXPOSED BETWEEN BEAMS 6 AND 7, 6' FROM BENT 2. (PAR)



Span 3 Beam 6: 32" x 3" area of 1/8" section loss (3/8" remaining) on right side of top flange, 10' from Bent 2 (PAR)

Date: 05/05/2021

**Condition Photos** 



Bent 2 Cap 1: 25' OF SURFACE RUST WITH ISOLATED LOCATIONS FRECKLED RUST ON TOP AND BOTTOM FLANGES AND UP TO 5" IN WEB, AT RANDOM THROUGHOUT EAST AND WEST FACES.



Bent 2 Pile 1: 8' OF FRECKLED RUST WITH ISOLATED LOCATIONS SURFACE RUST ON ALL SURFACES, AT RANDOM THROUGHOUT.

Date: 05/05/2021

**Condition Photos** 



BENT 2 PILE 1: 3' ANGLE PLATE WELDED REPAIR TO CROSS BRACING MEMBER ON EAST FACE AT MID Span.



BENT 2 PILE 1: (4) UP TO 2' x 10" x 1/2" WELDED REPAIR PLATES ON NORTH AND SOUTH FACES, AT SOIL INTERFACE. (PHOTO TAKEN NORTH FACE)

Date: 05/05/2021

**Condition Photos** 



Span 3 Beam 6: 15" x 2 1/2" area of 1/8" section loss (3/8" remaining) on both sides of top flange at Bent 2 (PAR)



Span 2 Beam 6: 30" x 3" area of 1/8" section loss (3/8" remaining) on right side of top flange at Bent 2 (PAR)

Date: 05/05/2021

**Condition Photos** 



Span 3 Beam 7: 18" x 2" area of 1/8" section loss (3/8" remaining) on both sides of top flange at Bent 2 (PAR)



Span 2 Beam 7: 20" x 2" area of 1/8" section loss (3/8" remaining) on both sides of top flange at Bent 2 (PAR)

Date: 05/05/2021

**Condition Photos** 



Bent 1 Pile 1: 20' x 7' x 6' deep erosion on End Bent 1 slope



BENT 1 PILE 1: (3) UP TO 16" x 9" x 1/4" WELDED REPAIR PLATES ON EAST AND WEST FLANGES, 14' FROM BOTTOM OF CAP. (PHOTO TAKEN ON EAST FLANGE)

Structure: 280115

County: DAVIDSON

Date: 05/05/2021

**Condition Photos** 



BENT 1 PILE 1: 2' REPAIRED CROSS BRACING ANGLE ON EAST BRACING CONNECTION.



BENT 1 PILE 3: 1' x 6" x 1/4" WELDED REPAIR PLATE ON THE WEST FACE AT BOTTOM OF PILE.

Date: 05/05/2021

#### **Condition Photos**



Bent 1 Pile 3: 1" x 10" area of 1/8" section loss (3/8" remaining) on Span 2 flange at diagonal bracing connection (PAR)



Span 1 Beam 6: 20" OF RUST SCALE ON NORTH AND SOUTH EDGE OF TOP FLANGE WITH 1/8" REMAINING AT BENT 1. (PAR)

Date: 05/05/2021

**Condition Photos** 



Span 1 Beam 7: 14" x 3" area of 1/4" section loss (1/4" remaining) on both sides of top flange at Bent 1 (PAR)



Span 1 Beam 7: 18" x 3" area of 1/8" section loss (3/8" remaining) on both sides of bottom flange at Bent 1 (PAR)

Date: 05/05/2021

**Condition Photos** 



Span 2 Beam 7: 24" x 4" area of 1/4" section loss (1/4" remaining) on both sides of top flange at Bent 1 (PAR)



BENT 1 CAP: 29" x 5" x 4.5" x 1/2" THICK CAP REPAIR BETWEEN BEAMS 6 AND 7.
Date: 05/05/2021

#### **Condition Photos**



Span 1 Beam 5: 20" x 3 1/2" area of section loss (with knife edge remaining) on right side of top flange at Bent 1 (PAR)



Bent 1 Cap 1: 20" x 2" area of 1/4" section loss (1/4" remaining) on Span 1 side of top flange under Bay 6 (PAR)

Date: 05/05/2021



Span 1 Beam 10: 12" x 1/4" upward deflection on left side of bottom flange, 12' from Bent 1



Span 1 Deck: 1 SF RUST SCALE WITH 100% LOSS OF SECTION AND CONCRETE DECK EXPOSED BETWEEN BEAMS 10 AND 11 AT BENT 1. (PAR)

Date: 05/05/2021



Span 1 Deck: 1/2 SF RUST SCALE WITH 1/8" REMAINING BEAMS 11 AND 12 AT BENT 1. (PAR)



Span 1 Deck: 1 SF RUST SCALE WITH 100% LOSS OF SECTION AND CONCRETE DECK EXPOSED BETWEEN BEAMS 9 AND 10 AT BENT 1. (PAR)

Date: 05/05/2021



Span 1 Deck: 1/2 SF RUST SCALE WITH 100% LOSS OF SECTION AND CONCRETE DECK EXPOSED BETWEEN BEAMS 8 AND 9 AT BENT 1. (PAR)



Span 1 Beam 1: 20' OF LIGHT SCALING WITH ISOLATED LOCATIONS SURFACE RUST ON TOP AND BOTTOM FLANGES, AT RANDOM THROUGHOUT. (PHOTO TAKEN NEAR MID Span)

Date: 05/05/2021



END BENT 1 CAP: 1/4" WELDED PLATE REPAIR TO TOP FLANGE WITH ADDED ANGLE PLATES TO THE BOTTOM FLANGE AND WEB BETWEEN BEAMS 6 AND 7.



End Bent 1 Abutment: 16" x 9" x UP TO 1 1/2" SPALL, WITH EXPOSED REINFORCING, WITH 20% LOSS OF SECTION OF EXPOSED REINFORCING.

Date: 05/05/2021

### **Condition Photos**



End Bent 1 Abutment: 24' x UP TO 1/16" HORIZONTAL CRACK THROUGHOUT EAST FACE OF ABUTMENT BETWEEN BEAMS 2 THROUGH 10. (PHOTO TAKEN BETWEEN BEAMS 3 AND 4)



End Bent 1 Abutment: (12) UP TO 18" x UP TO 3" x 1" SPALLS ON SOUTH BEAM INTERFACE IN ABUTMENNT BACKWALL AT ALL BEAM ENDS. (PHOTO TAKEN IN BETWEEN BEAMS 5 AND 6)

Date: 05/05/2021



End Bent 1 Abutment: 8' x UP TO 1/16" HORIZONTAL CRACK IN ABUTMENT BACKWALL BETWEEN BEAMS 5 AND 7. (PHOTO TAKEN IN BETWEEN BEAMS 5 AND 6)



End Bent 1 CAP: 13" x 5" x 6" x 1/2" ANGLE REPAIR AT NORTH END.

Date: 05/05/2021

**Condition Photos** 



Span 1 Beam 1: 7' x 1" area of 1/16" section loss (7/16" remaining) on left side of top flange near midspan



End Bent 1 Abutment: 19" x 12" x 5" high erosion with 9" deep undermining under End Bent 1 cap at East end (PAR)

# Stream Bed Soundings (Profile diagram on following sheet)

County DAVIDSON

Structure Number: 280115

Inspection Date 05/10/2021

Sounding recorded from: Top of Bridge Rail

Highwater Mark Distance

Location of Highwater Mark

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.800	0.000	TOP OF BACKWALL
1.000	2.800	0.000	TOP OF BACKWALL
1.100	4.500	0.000	TOP OF CAP
2.500	4.500	0.000	TOP OF CAP
2.600	6.600	6.200	FACE OF CAP
20.000	8.900	0.000	
29.000	13.700	0.000	WATER SURFACE/WATER EDGE (WS/WE)
36.000	13.800	13.800	BENT 1
42.000	14.200	0.000	
45.000	13.700	0.000	WATER SURFACE/WATER EDGE (WS/WE)
50.000	10.800	0.000	
60.000	7.300	0.000	
69.400	6.700	6.600	FACE OF CAP
69.500	4.600	0.000	TOP OF CAP
70.900	4.600	0.000	TOP OF CAP
71.000	2.600	0.000	TOP OF BACKWALL
72.000	2.800	0.000	TOP OF BACKWALL

Bridge: 280115

Date: 05/05/2021

# STREAMBED PROFILE (Downstream)

Top of Rail = 0FT (Sounding)



# Structure Data Worksheet



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	35.000	34.000			
2	50.000	49.580			
3	40.000	39.000			



South profile, looking North

Route Number: 80000	ime: I	Railroad			Reference Feature:	R		
Minimum Vertical Clear	Maxim	um Minimum Vertical	Clearance	feet				
Total Horizontal Clearar	0 feet	Latera	I Clearances: Left: 10	0.000 feet	Right 10.300	feet		
Base Highway Netwo	LRS Inv	entory F	Route, Sub Route Num	ber				
Milepost: 0.000	Number	of Lanes:		ADT:	Year of A	NDT:	Percentage of Trucks:	0
National Highway System					TRAHNET	Highway Desig	nator	
Functional Classification				Direc	tion of Tra	ffic:		



Southeast delineator (All others similar)

Structure: 280115

County: DAVIDSON

Date: 05/05/2021



Weight limit sign in East approach (West approach similar)



South bridge rail (North bridge rail similar)

Date: 05/05/2021



Looking South



Overhead utilities on South and West sides of bridge

Date: 05/05/2021

Structure Photos



West approach



East approach

Structure: 280115

County: DAVIDSON

Date: 05/05/2021



Looking North



Looking East

Date: 05/05/2021



Southeast abutment extension (All others similar)



End Bent 2 (End Bent 1 similar)

Date: 05/05/2021



End Bent bearing (Beam 10, End Bent 2 shown)



Intermediate diaphragm

Date: 05/05/2021



(3) 4" diameter utilities in Bay 3



(3) 4" diameter utilities in Bay 1

Structure: 280115

County: DAVIDSON

Date: 05/05/2021



Underside of superstructure (Span 2 shown)



North profile, looking South

Date: 05/05/2021

Structure Photos



South profile, looking North



Bent bearing (Beam 8, Bent 1 shown)

### Structure: 280115

County: DAVIDSON

Date: 05/05/2021

### Structure Photos



Bent 1 (Bent 2 similar)



North structure profile



Date: 05/05/2021

### Structure Photos



South structure profile

Bridge: 2	280115 Co	ounty DAVIDS	SON	Date:	
	These Repairs	Should Be Mac	de Within Twelve	Months From Date Of This Inspection	
MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314 🔌	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 5: 20" x 3 1/3" area of section loss with knife edge remaining on right side of top flange at Bent 1 (PAR)	
3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 6: 20" OF RUST SCALE ON NORTH AND SOUTH EDGE OF TOP FLANGE WITH1/8" REMAINING AT BENT 1. (PAR)	
3314 🔌	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 7: 14" x 3" area of 1/4" section loss (1/4" remaining) on both sides of top flange at Bent 1 (PAR)	
3314 🔌	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 7: 18" x 3" area of 1/8" section loss (3/8" remaining) on both sides of bottom flange at Bent 1 (PAR)	
3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 6: 30" x 3" area of 1/8" section loss (3/8" remaining) on right side of top flange at Bent 2 (PAR)	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 7: 20" x 2" area of 1/8" section loss (3/8" remaining) on both sides of top flange at Bent 2 (PAR)	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 7: 24" x 4" area of 1/4" section loss (1/4" remaining) on both sides of top flange at Bent 1 (PAR)	
💐 3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 6: 15" x 2 1/2" area of 1/8" section loss (3/8" remaining) on both sides of top flange at Bent 2 (PAR)	
💐 3314	Maintain Steel Superstructure Components	LF	3	Span 3 Beam 6: 32" x 3" area of 1/8" section loss (3/8" remaining) on right side of top flange, 10' from Bent 2 (PAR)	
3314	Maintain Steel Superstructure Components	LF	3	Span 3 Beam 6: 4' RUST SCALE BOTTOM FLANGE UP TO 8" IN WEB WITH 1/4" REMAINING IN BOTTOM FLANGE AT END BENT 2. (PAR)	
3314 🔌	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 7: 18" x 2" area of 1/8" section loss (3/8" remaining) on both sides of top flange at Bent 2 (PAR)	
3314 🔌	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 7: 15" x 1" area of 1/8" section loss (3/8" remaining) on left side of top flange, 6' from End Bent 2 (PAR)	
3314	Maintain Steel Superstructure Components	LF	3	Span 3 Beam 7: 32" RUST SCALE TOP FLANGE WITH SECTION LOSS TO KNIFE'S EDGE ON SOUTH TOP FLANGE AND 9" x 1" area of 100% section loss ON BOTH SIDES OF TOP FLANGE AT END	

BENT 2. (PAR)

Bridge: 280115

County DAVIDSON

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
戦 3314	Maintain Steel Superstructure Components	LF	7	Span 3 Beam 11: 7' x 2" area of 1/8" section loss (3/8" remaining) on both sides of top flange near midspan (PAR)	
戦 3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 12: 20" x 1 1/2" area of 1/8" section loss (3/8" remaining) on both sides of top flange, 11' from End Bent 2 (PAR)	
戦 3314	Maintain Steel Superstructure Components	LF	1	Span 3 Beam 12: 6" x 2" area of 1/8" section loss (3/8" remaining) on both sides of top flange, 9' from End Bent 2 (PAR)	
3328	Maintenance/Re pair/ Replace Steel Plank Bridge Floor	SF	1	Span 1 Deck: 1/2 SF RUST SCALE WITH 1/8" REMAINING BEAMS 11 AND 12 AT BENT 1. (PAR)	
👋 3328	Maintenance/Re pair/ Replace Steel Plank Bridge Floor	SF	1	Span 1 Deck: 1 SF RUST SCALE WITH 100% LOSS OF SECTION AND CONCRETE DECK EXPOSED BETWEEN BEAMS 10 AND 11 AT BENT 1. (PAR)	
戦 3328	Maintenance/Re pair/ Replace Steel Plank Bridge Floor	SF	1	Span 1 Deck: 1 SF RUST SCALE WITH 100% LOSS OF SECTION AND CONCRETE DECK EXPOSED BETWEEN BEAMS 9 AND 10 AT BENT 1. (PAR)	
👋 3328	Maintenance/Re pair/ Replace Steel Plank Bridge Floor	SF	1	Span 1 Deck: 1/2 SF RUST SCALE WITH 100% LOSS OF SECTION AND CONCRETE DECK EXPOSED BETWEEN BEAMS 8 AND 9 AT BENT 1. (PAR)	
3328	Maintenance/Re pair/ Replace Steel Plank Bridge Floor	SF	2	Span 3 Deck: 2 SF OF RUST SCALE WITH UP TO 100% LOSS OF SECTION AND CONCRETE DECK EXPOSED BETWEEN BEAMS 6 AND 7, 6' FROM BENT 2. (PAR)	
戦 3350	Maint R C Wings and Walls	SF	2	End Bent 1 Abutment: 19" x 12" x 5" high erosion with 9" deep undermining under End Bent 1 cap at East end (PAR)	
戦 3354	Maintain Steel Substructure Components	LF	2	Bent 1 Cap 1: 20" x 2" area of 1/4" section loss (1/4" remaining) on Span 1 side of top flange under Bay 6 (PAR)	
🔌 3354	Maintain Steel Substructure Components	LF	1	Bent 1 Pile 3: 1" x 10" area of 1/8" section loss (3/8" remaining) on Span 2 flange at diagonal bracing connection (PAR)	

Bridge: 280115 C

County DAVIDSON

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

MMS Code	MM	MMS Description						
3314	Mair	ntain Steel	I Superstructure Components		2	LF		
Location:								
			Bent/Span No.					
Priority Leve	ŧ		Status					
Priority Main	itenan	се	Division Bridge Maintenance Notification					
Submitted D	ate:	Submitte	d By:	Assisted By:				
05/07/2021		Jonatha	n M. Simpson					
Details								
Span 1 Bear	Span 1 Beam 5: 20" x 3 1/3" area of section loss with knife edge remaining on right side of top flange at Bent 1 (PAR)							

MMS Code	MMS Description							
3314	Maint	tain Steel	Superstructure Components		2	LF		
Location:	Location:							
			Bent/Span No.					
Priority Level			Status					
Priority Main	tenance	е	Division Bridge Maintenance Noti	fication				
Submitted Da	ate:	Submitte	d By:	Assisted By:				
05/07/2021		Jonathan M. Simpson						
Details								

Span 1 Beam 6: 20" OF RUST SCALE ON NORTH AND SOUTH EDGE OF TOP FLANGE WITH1/8" REMAINING AT BENT 1. (PAR)

Bridge: 280115 Co

County DAVIDSON

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

MMS Code	MN	/IS Descrip	MMS Description				
3314	Mair	ntain Stee	I Superstructure Components		2	LF	
Location:							
			Bent/Span No.				
Priority Leve	)		Status				
Priority Mair	ntenan	се	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
05/07/2021		Jonatha	In M. Simpson				
Details							
Span 1 Bear	m 7: 1 <sup>,</sup>	4" x 3" are	a of 1/4" section loss (1/4" remaining	ng) on both sides of top flange at Ber	nt 1 (PAR)		

IMS Descrip	MS Description						
aintain Stee	I Superstructure Components		2	LF			
Location:							
Bent/Span No.							
	Status						
ince	Division Bridge Maintenance Notification Received						
Submitte	d By:	Assisted By:					
Jonatha	n M. Simpson						
	IMS Descrip aintain Stee ance Submitte Jonatha	IMS Description   aintain Steel Superstructure Components   Bent/Span No.   Status   ance Division Bridge Maintenance Noti   Submitted By:   Jonathan M. Simpson	IMS Description   aintain Steel Superstructure Components   Bent/Span No.   Bent/Span No.   Status   Division Bridge Maintenance Notification Received   Submitted By: Assisted By:   Jonathan M. Simpson	MMS Description Quantity   aintain Steel Superstructure Components 2   Bent/Span No. 2   Status Jointhan M. Simpson			

Span 1 Beam 7: 18" x 3" area of 1/8" section loss (3/8" remaining) on both sides of bottom flange at Bent 1 (PAR)

Bridge: 280115 C

County DAVIDSON

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

MMS Code	MM	MMS Description					
3314	Mair	ntain Stee	I Superstructure Components		3	LF	
Location:							
			Bent/Span No.				
Priority Leve	÷		Status				
Priority Mair	ntenan	се	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
05/07/2021		Jonatha	n M. Simpson				
Details							
Span 2 Bear	Span 2 Beam 6: 30" x 3" area of 1/8" section loss (3/8" remaining) on right side of top flange at Bent 2 (PAR)						

MMS Code	MN	MMS Description						
3314	Mair	ntain Steel	2	LF				
Location:	Location:							
			Bent/Span No.					
Priority Level			Status					
Priority Main	tenan	се	Division Bridge Maintenance Notification					
Submitted Da	ate:	Submitte	d By:	Assisted By:				
05/07/2021		Jonathan M. Simpson						
Details								
Crean 2 Deer								

Span 2 Beam 7: 20" x 2" area of 1/8" section loss (3/8" remaining) on both sides of top flange at Bent 2 (PAR)

Bridge: 280115 Co

County DAVIDSON

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

MMS Code	MN	MMS Description						
3314	Mair	ntain Steel	Superstructure Components		2	LF		
Location:								
			Bent/Span No.					
Priority Leve	÷		Status					
Priority Mair	itenan	се	Division Bridge Maintenance Notification					
Submitted D	ate:	Submitte	d By:	Assisted By:				
05/07/2021		Jonatha	n M. Simpson					
Details								
Span 2 Bear	Span 2 Beam 7: 24" x 4" area of 1/4" section loss (1/4" remaining) on both sides of top flange at Bent 1 (PAR)							

MMS Code	MM	MMS Description				Quantity	
3314	Main	Maintain Steel Superstructure Components			2	LF	
Location:	Location:						
Bent/Span No.							
Priority Level			Status				
Priority Maint	tenand	ce	Division Bridge Maintenance Notification				
Submitted Da	ate:	Submitte	d By:	Assisted By:			
05/07/2021		Jonathan M. Simpson					
Details							
_							

Span 3 Beam 6: 15" x 2 1/2" area of 1/8" section loss (3/8" remaining) on both sides of top flange at Bent 2 (PAR)

Bridge: 280115 Co

County DAVIDSON

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

MMS Code	MM	MMS Description			Quantity		
3314	Main	laintain Steel Superstructure Components			3	LF	
Location:							
			Bent/Span No.				
Priority Leve	:		Status				
Priority Main	itenanc	;e	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
05/07/2021		Jonatha	n M. Simpson				
Details							
Span 3 Bear	n 6: 32	." x 3" are	a of 1/8" section loss (3/8" remainin	ng) on right side of top flange, 10' fro	m Bent 2 (P	'AR)	

MMS Code	MN	MMS Description			Quantity		
3314	Mai	aintain Steel Superstructure Components			3	LF	
Location:	Location:						
	Bent/Span No.						
Priority Level			Status				
Priority Mair	ntenan	ice	Division Bridge Maintenance Notification				
Submitted D	Date:	Submitte	d By:	Assisted By:			
05/07/2021		Jonatha	n M. Simpson				
Details							
Span 3 Bear FLANGE A	Span 3 Beam 6: 4' RUST SCALE BOTTOM FLANGE UP TO 8" IN WEB WITH 1/4" REMAINING IN BOTTOM FLANGE AT END BENT 2. (PAR)						

Bridge: 280115 Co

County DAVIDSON

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

MMS Code	MN	MMS Description			Quantity		
3314	Mair	ntain Stee	I Superstructure Components		2	LF	
Location:	Location:						
			Bent/Span No.				
Priority Leve	el		Status				
Priority Mair	itenan	се	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
05/07/2021		Jonatha	n M. Simpson				
Details							
Span 3 Beam 7: 18" x 2" area of 1/8" section loss (3/8" remaining) on both sides of top flange at Bent 2 (PAR)							

MMS Code	MM	S Descrip	Description				
3314	Main	tain Steel Superstructure Components			2	LF	
Location:	Location:						
Bent/Span No.							
Priority Level			Status				
Priority Main	tenanc	e .	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
05/07/2021		Jonathan M. Simpson					
Details	Details						

Span 3 Beam 7: 15" x 1" area of 1/8" section loss (3/8" remaining) on left side of top flange, 6' from End Bent 2 (PAR)

Bridge: 280115

County DAVIDSON

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

MMS Code	MN	MMS Description			Quantity		
3314	Mair	Aaintain Steel Superstructure Components			3	LF	
Location:	Location:						
	Bent/Span No.						
Priority Leve	əl		Status				
Priority Mair	ntenan	се	Division Bridge Maintenance Notification				
Submitted D	Date:	Submitte	d By:	Assisted By:			
05/07/2021		Jonatha	an M. Simpson				
Details							
Span 3 Beam 7: 32" RUST SCALE TOP FLANGE WITH SECTION LOSS TO KNIFE'S EDGE ON SOUTH TOP FLANGE AND 9" x 1" area of 100% section loss ON BOTH SIDES OF TOP FLANGE AT END BENT 2. (PAR)							

MMS Code	MN	IS Descrip	Description				
3314	Mair	ntain Steel Superstructure Components			7	LF	
Location:	Location:						
	Bent/Span No.						
Priority Level			Status				
Priority Main	tenano	ce	Division Bridge Maintenance Notification				
Submitted D	ate:	Submitte	d By:	Assisted By:			
05/07/2021		Jonathan M. Simpson					
Details	Details						

Span 3 Beam 11: 7' x 2" area of 1/8" section loss (3/8" remaining) on both sides of top flange near midspan (PAR)

Bridge: 280115 C

County DAVIDSON

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

MMS Code	MMS	MMS Description			Quantity		
3314	Maint	Maintain Steel Superstructure Components			2	LF	
Location:	Location:						
	Bent/Span No.						
Priority Leve	el		Status				
Priority Mair	ntenance	е	Division Bridge Maintenance Notification				
Submitted D	Date:	Submitte	d By:	Assisted By:			
05/07/2021		Jonatha	n M. Simpson				
Details							
Span 3 Bear 2 (PAR)	m 12: 20	0" x 1 1/2	?" area of 1/8" section loss (3/8" ren	naining) on both sides of top flange,	11' from End	d Bent	

MMS Code	MM	IS Descrip	Description				
3314	Mair	ntain Steel	tain Steel Superstructure Components			LF	
Location:							
	Bent/Span No.						
Priority Level			Status				
Priority Main	itenan	се	Division Bridge Maintenance Notification Received				
Submitted D	ate:	Submitte	d By:	Assisted By:			
05/07/2021		Jonathan M. Simpson					
Details							

Span 3 Beam 12: 6" x 2" area of 1/8" section loss (3/8" remaining) on both sides of top flange, 9' from End Bent 2 (PAR)

Bridge: 280115 County DAVIDSON

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

MMS Code	MM	MMS Description			Quantity		
3328	Mair	Maintenance/Repair/ Replace Steel Plank Bridge Floor			1	SF	
Location:	Location:						
			Bent/Span No.				
Priority Leve	el		Status				
Priority Mair	ntenanc	се	Division Bridge Maintenance Notification				
Submitted D	Date:	Submitte	d By:	Assisted By:			
05/07/2021		Jonatha	n M. Simpson				
Details							
Span 1 Decl	k: 1/2 S	SF RUST	SCALE WITH 1/8" REMAINING BE	EAMS 11 AND 12 AT BENT 1. (PAR)			

MMS Code	MN	MMS Description				Quantity	
3328	Mair	ntenance/F	Repair/ Replace Steel Plank Bridge	Floor	1	SF	
Location:	Location:						
Bent/Span No.							
Priority Level			Status				
Priority Mair	ntenan	се	Division Bridge Maintenance Notification				
Submitted D	oate:	Submitte	d By:	Assisted By:			
05/07/2021		Jonatha	n M. Simpson				
Details	Details						
Span 1 Decl BEAMS 10	Span 1 Deck: 1 SF RUST SCALE WITH 100% LOSS OF SECTION AND CONCRETE DECK EXPOSED BETWEEN BEAMS 10 AND 11 AT BENT 1. (PAR)						

Bridge: 280115 County DAVIDSON

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

MMS Code	MM	1S Descrip	otion		Quantity		
3328	Mair	ntenance/I	Repair/ Replace Steel Plank Bridge	Floor	1	SF	
Location:							
			Bent/Span No.				
Priority Leve	əl		Status				
Priority Mair	ntenano	се	Division Bridge Maintenance Notification				
Submitted D	Date:	Submitte	d By:	Assisted By:			
05/07/2021		Jonatha	n M. Simpson				
Details							
Span 1 Dec BEAMS 9 A	k: 1 SF ND 10	<sup>:</sup> RUST S AT BENT	CALE WITH 100% LOSS OF SECT `1. (PAR)	FION AND CONCRETE DECK EXPO	SED BETW	/EEN	

MMS Code	MM	MMS Description				Quantity	
3328	Main	itenance/I	Repair/ Replace Steel Plank Bridge Floor		1	SF	
Location:							
Bent/Span No.							
Priority Level			Status				
Priority Maintenance			Division Bridge Maintenance Notification				
Submitted D	Submitted Date: Submitte		d By:	Assisted By:			
05/07/2021		Jonathan M. Simpson					
Details							
Span 1 Deck: 1/2 SF RUST SCALE WITH 100% LOSS OF SECTION AND CONCRETE DECK EXPOSED BETWEEN BEAMS 8 AND 9 AT BENT 1. (PAR)							
### BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 280115 County DAVIDSON

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

MMS Code	MM	1S Descrip		Quantity					
3328	Mair	ntenance/I	Repair/ Replace Steel Plank Bridge	epair/ Replace Steel Plank Bridge Floor					
Location:	Location:								
			Bent/Span No.						
Priority Level Status									
Priority Mair	ntenano	се	Division Bridge Maintenance Noti	fication					
Submitted D	Date:	Submitte	d By:	Assisted By:					
05/07/2021		Jonatha	n M. Simpson						
Details									
Span 3 Dec BETWEEN	k: 2 SF BEAMS	<sup>7</sup> OF RUS S 6 AND 7	T SCALE WITH UP TO 100% LOS 7, 6' FROM BENT 2. (PAR)	S OF SECTION AND CONCRETE D	ECK EXPO	SED			

MMS Code	MN	/IS Descrip	Quantity			
3350	Mair	nt R C Wir	2	SF		
Location:	Location:					
	Bent/Span No.					
Priority Level Status						
Priority Mair	ntenan	ice	Division Bridge Maintenance Noti	fication Received		
Submitted D	oate:	Submitte	d By:	Assisted By:		
05/07/2021 Jonathan M Simpson						
Details	Details					
End Bent 1	Abutm	ent: 19" x	12" x 5" high erosion with 9" deep	undermining under End Bent 1 cap a	t East end (F	PAR)

### BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 280115

County DAVIDSON

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

MMS Code	MN	IS Descrip	Quantity					
3354	Mair	ntain Stee	Substructure Components	Substructure Components 2				
Location:	Location:							
			Bent/Span No.					
Priority Leve	el		Status					
Priority Maintenance Division Bridge Maintenance Notification Received								
Submitted D	ate:	Submitte	d By:	Assisted By:				
05/07/2021		Jonatha	n M. Simpson					
Details								
Bent 1 Cap	Bent 1 Cap 1: 20" x 2" area of 1/4" section loss (1/4" remaining) on Span 1 side of top flange under Bay 6 (PAR)							

MMS Code	MM	S Descrip	Quantity				
3354	Main	tain Steel	Substructure Components	1	LF		
Location:	Location:						
	Bent/Span No.						
Priority Level	Priority Level Status						
Priority Maint	tenanc	e	Division Bridge Maintenance Noti	fication			
Submitted Da	ate:	Submitte	d By:	Assisted By:			
05/07/2021		Jonatha	n M. Simpson	Simpson			
Details	Details						

Bent 1 Pile 3: 1" x 10" area of 1/8" section loss (3/8" remaining) on Span 2 flange at diagonal bracing connection (PAR)

SR 1711

### MEASURED 10' EAST OF END BENT 2.

Roadway	26ft Wide	2 Paved Lanes	Looking East
Left Shoulder	2.5ft Wide		2.5ft Unpaved
Right Shoulder	5ft Wide		5ft Unpaved
Left Guardrail			
Bight Quardrail			
Right Guardrall			

## QCQA done 6/3/19 by Derek Rickus

SKETCH VERIFIED 05/05/2021 BY JMS

Title	Descr	Description			
APPROACH ROADWAY	WEST	WEST APPROACH, LOOKING EAST			
Bridge No: 280115 Drawn	vn By: JWT	Date:05/13/2013	File Name:S0090000126		

						-						l	
	De	eck Width/Out to	Out	28	.299ft	Betv	ween	Rails			28.417ft		
	Cl	ear Roadway		27	.75ft	Wea	aring	Surface			0.333ft		
	Me	edian Width				Med	lian F	leight					
	Cı	urb Height				Lef	t (	).458ft *	Right	0.45	8ft *		
	Sie	dewalk Width				Lef	t		Right				
	Cl	ear Roadway (F	Rail to Media	an)		Lef	ť		Right				
	Gu	uardrail Width				Lef	it (	).75ft	Right	0.75	ft		
	Tc	p of Rail to Dec	k/Wearing S	Surfac	e	Lef	t 2	2.167ft	Right	2.16	7ft		
	Br	idge Rail				Lef	t   7	Гуре 23	Right	Туре	e 23		
			∞ 4" CON										
	Mea	surements for S	Span #	1		_						_	
	Dec	k Thickness			250	Le	ft Ov	erhang			0.625	_	
	Тор	of Rail to Botto	m of Beam	4	4.167	Rig	ght O	verhang			0.625		
Bea	am Number	Beam Typ	e	Sp	bacing			Comme	ents				
1		Steel I Beam		2.459	ft		Ν	O CURVED	GIRDEI	RS			
2		Steel I Beam		2.459	ft								
3		Steel I Beam		2.459ft									
4		Steel I Beam		2.459ft									
5		Steel I Beam		2.459ft									
6		Steel I Beam		2.459ft									
7		Steel I Beam		2.459ft									
8		Steel I Beam		2.459ft									
9		Steel I Beam		2.459	ft								
10		Steel I Beam		2.459	ft								
11		Steel I Beam		2.459	ft								
12 *M	easurement N	Steel I Beam		π									
AE	BUTS: RC (	CAP ON 12"	STEEL	PILE	S								
	BEAMS	WIDTH	HEIGTH	FLA	NGE	WEB		0.	187	_		- f	
	ALL SPAN	IA .625	1.5	.042		.031	_			1871		<b>*</b>	
	ALL SPAN	IB .75	2.0	.042		.031	_		-+°.		• \	5	
	ALL SPAN	IC .687	1.75	.042		.031		-	3"		6"		
QCQA	A done 6/	3/19 by D	erek R	icku	JS								
SKETCH	MODIFIED 0	5/05/2021											
Title						De	scri	ption					
TYPICAL	SECTION					SP	PAN	1, LOOKING	G EAST	Г			
Bridge No:	280115	Drawn By:	JWT			·		Date:05/13/	2013		File Name	°S0090000127	
	200110	-	JVVI					00/10/	2013			0000000127	

Cap In	formation	า		Material										
Lengt	h Wid	th	Height	Left Over	hang	R	ight Overh	ang	Left Be	eam to Er	nd of Cap.	Right Beam to End of Cap.		
33.333	ft. 1.0	00 ft.	.980 ft.	1.667	ft.		1.667 ft.		1.0	1.083 ft.		1	1.083 ft.	
				Material										
Lengt	h Wid	th	Height	Left Over	hang	R	ight Overh	ang	Left Pi	le to Splic	ce.			
Sill Info	ormation			Material										
Lengt	h Wid	th	Height											
Pile #	Material		Spacing	Width/Dia.	Height		Length	Orie	entation	Driven?	Replacem	ent?	Removed?	Collar?
1	Steel		10.0 ft.	1 ft.			1 ft.	Batt	ered	No	No		No	No
2	Steel		10.0 ft.	1 ft.		3	1 ft.	Vert	tical	No	No		No	No
3	Steel		10.0 ft.	1 ft.		1	1 ft.	Vert	tical	No	No		No	No
4	Steel			1 ft.			1 ft.	Batt	ered	No	No		No	No
Bent/A	butment	#: 2		Similar I	Bents:	1								

QCQA done 6/3/19 by Derek Rickus

SKETCH VERIFIED 05/05/2021

Title		Description				
SUBSTRUCTURE		BENT 2, LOOKING EAST				
Bridge No: 280115	Drawn By: HMS		Date:05/09/13	File Name:S0090000128		

Measurements Under Span 2 (of 3)								
Rail to Rail	5ft	1 set of tracks	Looking: NORTH					
Vertical Clearance	23.25ft	Measured from rail 2	at Beam # 1					
Distance to Left Bent								
Distance to Left Toe of Slope	10ft							
Distance to Right Bent								
Distance to Right Toe of Slope	10.3ft							

### QCQA done 6/3/19 by Derek Rickus

### SKETCH VERIFIED 05/05/2021

Title		Description			
VERTICAL CLEARANCE		CLEARANCE OVER RAILWAY			
Bridge No: 280115	Drawn By: HMS		Date:05/09/13	File Name: S0090000129	

