ATTENTION: PAR'S ISSUED, DATA CHANGES

Structure Safety Report

Routine Element Inspection - Contract

		INSPECTION DA	11E: <u>04/08/20</u> 2					
DIVISION: 2	COUNTY: LENOIR	STRUCT	TURE NUMBER:	530020	FREG	QUENCY:	24 MONT	'HS
FACILITY CARRIED	: NC55				MILE POST:			
LOCATION: 2.4 MI	E. JCT. NC11							
FEATURE INTERSE	CTED: NEUSE RIVER	₹						
LATITUDE: 35° 17	7' 44.58"	LONGITUDE:	77° 29' 46.94'	1				
SUPERSTRUCTURE	E: RC FLOOR/I-BEA	MS & RCDG						
SUBSTRUCTURE:	E.BTS&INT.BTS:RC C	AP/PPC PILES @ VAR.	CTS.					
SPANS: 10 SPAI	NS. SEE SPAN PROF	ILE SHEET FOR SPAN [DETAILS					
FRACTURE CR	RITICAL TEMPO	RARY SHORING	SCOUR CRITI	CAL	SCOUR	PLAN OF	ACTION	
GRADES: (Inspecto	or/NBI Coding) DECK 7	/7 SUPERSTRUCTU	RE <u>6/6</u>	SUBSTRUC	CTURE 6/6	CUL	VERT N/N	١
POSTED SV: 30			POSTED TTS	T: <u>31</u>				
OTHER SIGNS PRE	SENT: (2) NARROW	BRIDGE			Sign notice issued for	WEIGH	IT LIMIT	Number Required
			10		NO NO		EATORS V BRIDGE	0 0
					NO NO		E BRIDGE	
2017				Pay	NO NO		EARANCE	0
						LOW OLL	AITAITOL	
					INSF DIR	CTION OF PECTION ECTION IES PLANS	W-E YES	
WEST APPROAC	H LOOKING EAST						-	
INSPECTED BY JOHN DUBIEL		SIGNATURE	John Dubiel		ASSISTED BY	/ JAMES	SUTHERLAI	ND

(1) STATE NAME NORTH CAROLINA BRIDGE	530020	SUFFICIENCY RATING		55.7
(8) STRUCTURE NUMBER (FEDERAL)	1070020	STATUS =	Func	tionally Obsolet
,	1000550		CLASSIFICATION	CODE
(2) STATE HIGHWAY DEPARTMENT DISTRICT (3) COUNTY CODE (FEDERAL) 107 (4) PLACE CODE	2 00000	(112) NBIS BRIDGE SYSTEM		YE
(6) FEATURE INTERSECTED NEUSE RIVER	00000	(104) HIGHWAY SYSTEM	Inventory Route not or	n NHS
(7) FACILITY CARRIED NC55		(26) FUNCTIONAL CLASS	Rural Major Col	lector (
(9) LOCATION 2.4 MI E. JCT. NC11		(100) STRAHNET HIGHWAY	Not a STRAHNET	Route
(11) MILEPOINT	0.0	(101) PARALLEL STRUCTURE	No parallel structure	exists
(12) BASE HIGHWAY NETWORK	0	(102) DIRECTION OF TRAFFIC	2-way	traffic
(13) LRS INVENTORY ROUTE & SUBROUTE (16) LATITUDE 35° 17' 44.58" (17) LONGITUDE 77° 29	9' 46.94"	(103) TEMPORARY STRUCTUR	RE	
(98) BORDER BRIDGE STATE CODE PERCENT SHARED	7 40.54	(110) DESIGNATED NATIONAL	NETWORK - on national network for t	rucks
(99) BORDER BRIDGE STRUCTURE NUMBER		(20) TOLL	On Free	Road
OTPLICTURE TYPE AND MATERIAL		(21) MAINT -		(
STRUCTURE TYPE AND MATERIAL (43) STRUCTURE TYPE MAIN	Steel	(22) OWNER -		(
TYPE Stringer/Multi-beam or girder CODE	302	(37) HISTORICAL SIGNIFICANO	NE.	•
	Concrete	(37) HISTORICAL SIGNIFICANC		
TYPE Tee Beam CODE	Jonerete 104	(58) DECK	CONDITION ————	CODE
		,		
(45) NUMBER OF SPANS IN MAIN UNIT	1	(59) SUPERSTRUCTURE		
(46) NUMBER OF SPANS IN APPROACH	9	(60) SUBSTRUCTURE		
(107) DECK STRUCTURE TYPE CODE	1	(61) CHANNEL & CHANNEL PR	OTECTION	
(108)WEARING SURFACE/PROTECTIVE SYSTEM		(62) CULVERTS		
(A) TYPE OF WEARING SURFACE CODE	6		RATING AND POSTING	CODE
(B) TYPE OF MEMBRANE CODE	0	(31) DESIGN LOAD		HS 15
(C) TYPE OF DECK PROTECTION CODE	0	(63) OPERATING RATING METI		
AGE AND SERVICE —		(64) OPERATING RATING -		HS-18 3
(27) YEAR BUILT	1937	(65) INVENTORY RATING METI		
(106) YEAR RECONSTRUCTED	0	(66) INVENTORY RATING		HS-11 2
(42) TYPE OF SERVICE ON -	Highway	(70) BRIDGE POSTING	Posting Red	quired
OFF - Waterway CODE	15	(41) STRUCTURE OPEN, POST	ED, OR CLOSED	
(28) LANES ON STRUCTURE 2 LANES UNDER STRUCTURE	0	DESCRIPTION	Posted for I	Load
(29) AVERAGE DAILY TRAFFIC	2700		APPRAISAL	CODE
(30) YEAR OF ADT 2019 (109) TRUCK ADT PCT	7	(67) STRUCTURAL EVALUATIO	N .	
(19) BYPASS OR DETOUR LENGTH	15.0	(68) DECK GEOMETRY		
GEOMETRIC DATA		(69) UNDERCLEARANCES, VER	RT & HORIZ	
(48) LENGTH OF MAXIMUM SPAN	64.0	(71) WATERWAY ADEQUACY		
(49) STRUCTURE LENGTH	515.0	(72) APPROACH ROADWAY AL	IGNMENT	
(50) CURB OR SIDEWALK: LEFT 0.6 RIGHT (51) BRIDGE ROADWAY WIDTH, CURB TO CURB	0.6 24.0	(36) TRAFFIC SAFETY FEATUR	ES	001
(52) DECK WIDTH OUT TO OUT	27.3	(113) SCOUR CRITICAL BRIDG	ES	
(32) APPROACH ROADWAY WITH (W/ SHOULDERS)	22.0	PROP	OSED IMPROVEMENTS	
(33) BRIDGE MEDIAN No median CODE	0	(75) TYPE OF WORK		CODE
(34) SKEW 0 (35) STRUCTURE FLARED	0	(76) LENGTH OF STRUCTURE	IMPROVEMENT	
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9	(94) BRIDGE IMPROVEMENT C	OST	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR (53) MIN VERT CLEAR OVER BRIDGE RDWY	24.0 999.9	(95) ROADWAY IMPROVEMEN		
(54) MIN VERT UNDERCLEAR: REFERENCE	0.0	(96) TOTAL PROJECT COST		
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE N	0.0	(97) YEAR OF IMPROVEMENT	COST ESTIMATE	
(56) MIN LAT UNDERCLEARANCE LT:	0.0	. ,	5,400 YEAR OF FUTURE ADT	204
NAVIGATION DATA		(114) FUTURE ADT	INSPECTION	204
(38) NAVIGATION CONTROL - CODE	0	(90) INSPECTION DATE	04/22 (91) FREQU	ENCY 2
(111) PIER PROTECTION CODE		(92) CRITICAL FEATURE INSPE	ECTION (93)	CFI DATE
(39) NAVIGATION VERTICAL CLEARANCE	0.0	A) FRACTURE CRIT DETA	AIL A)	
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR	0.0	B) UNDERWATER INSP	48 B)	08/2
(40) NAVIGATION HORIZONTAL CLEARANCE	0.0	C) OTHER SPECIAL INSP	•	
		-,	Ο,	

 Span Number 1
 Span Length
 50.0000
 Skew
 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1200 Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292 Square Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200 Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100 Feet		

 Span Number 2
 Span Length
 50.0000
 Skew
 90.0000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Standard Joint	Pourable Joint Seal	26	Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100	Feet		
1	Asphalt Wearing Surface	Wearing Surface	1200	Square Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292	Square Feet		

 Span Number 3
 Span Length
 50.0000
 Skew
 90.0000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Standard Joint	Pourable Joint Seal	26	Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100	Feet		
1	Asphalt Wearing Surface	Wearing Surface	1200	Square Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292	Square Feet		

 Span Number 4
 Span Length
 50.0000
 Skew
 90.0000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292	Square Feet		
1	Standard Joint	Pourable Joint Seal	26	Feet		

2	Concrete Railing	Reinforced Concrete Bridge Railing	100	Feet	
1	Asphalt Wearing Surface	Wearing Surface	1200	Square Feet	
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200	Feet	

Span Number 5

Span Length <u>50.0000</u>

Skew 90.0000

Number of Items	Type of Component	Element Name	Q	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1200	Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292	Square Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200	Feet		
1	Standard Joint	Pourable Joint Seal	26	Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100	Feet		

Span Number 6

Span Length <u>65.0000</u>

Skew 90.0000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
2	Concrete Railing	Reinforced Concrete Bridge Railing	130	Feet		
5	Plate Girder	Steel Open Girder/Beam	325	Feet	Legacy Red Lead Primer Systems with Various Topcoats	3300
1	Standard Joint	Pourable Joint Seal	26	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1679	Square Feet		
5	Movable Bearing	Movable Bearing	5	Each	Legacy Red Lead Primer Systems with Various Topcoats	5
1	Asphalt Wearing Surface	Wearing Surface	1560	Square Feet		
5	Fixed Bearing	Fixed Bearing	5	Each	Legacy Red Lead Primer Systems with Various Topcoats	5

Span Number 7

Span Length <u>50.0000</u>

Skew 90.0000

Number of Items		Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Standard Joint	Pourable Joint Seal	26 Feet		
1	Asphalt Wearing Surface	Wearing Surface	1200 Square Feet		

2	Concrete Railing	Reinforced Concrete Bridge Railing	100	Feet	
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200	Feet	
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292	Square Feet	

 Span Number 8
 Span Length
 50.0000
 Skew
 90.0000

Number of Items	Type of Component	Element Name		Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1200	Square Feet		
1	Standard Joint	Pourable Joint Seal	26	Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292	Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100	Feet		

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1200	Square Feet		
1	Standard Joint	Pourable Joint Seal	26	Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292	Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	100	Feet		

 Span Number 10
 Span Length
 50.0000
 Skew
 90.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
2	Concrete Railing	Reinforced Concrete Bridge Railing	100	Feet		
1	Asphalt Wearing Surface	Wearing Surface	1200	Square Feet		
1	Standard Joint	Pourable Joint Seal	26	Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	200	Feet		

1	Reinforced Concrete Deck	Reinforced Concrete Deck	1292	2 Square Feet	

Structure Element Scoring

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	О	Reinforced Concrete Deck	Deck	13307	13305	1	1	0
107	0	Steel Open Girder/Beam	Beam	325	1	315	6	3
515	107	Steel Protective Coating	Beam	3300	2288	0	1000	12
110	0	Reinforced Concrete Open Girder/Beam	Beam	1800	1724	23	39	14
215	0	Reinforced Concrete Abutment	Abutments	70	10	0	0	60
226	0	Prestressed Concrete Pile	Piles and Columns	55	16	33	2	4
234	0	Reinforced Concrete Pier Cap	Caps	295	182	68	43	2
301	0	Pourable Joint Seal	Expansion Joints	234	234	0	0	0
311	0	Movable Bearing	Bearing Device	5	0	5	0	0
515	311	Steel Protective Coating	Bearing Device	5	0	0	5	0
313	0	Fixed Bearing	Bearing Device	5	0	1	4	0
515	313	Steel Protective Coating	Bearing Device	5	0	0	1	4
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	1030	1028	2	0	0
510	0	Wearing Surface	Wearing Surfaces	12360	11789	339	232	0

Summary of Maintenance Needs

Maintenance By Defect

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	2 Square Feet
3314	Steel Open Girder/Beam	Distortion	3 Feet
3314	Steel Open Girder/Beam	Corrosion	6 Feet
3306	Reinforced Concrete Open Girder/Beam	Delamination/Spall	50 Feet
3306	Reinforced Concrete Open Girder/Beam	Cracking (RC and Other)	3 Feet
3306	Reinforced Concrete Open Girder/Beam	Exposed Rebar	2 Feet
3350	Reinforced Concrete Abutment	Scour	60 Feet
3348	Prestressed Concrete Pile	Delamination/Spall	20 Each
3348	Prestressed Concrete Pile	Cracking (PSC)	2 Each
3348	Prestressed Concrete Pile	Abrasion/Wear (PSC/RC)	4 Each
3348	Reinforced Concrete Pier Cap	Patched Area	1 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	20 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	37 Feet
3334	Fixed Bearing	Corrosion	4 Each
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	1 Feet
3318	Reinforced Concrete Bridge Railing	Exposed Rebar	1 Feet
2816	Wearing Surface	Crack (Wearing Surface)	259 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	1022 Square Feet

Element Structure Maintenance Quantities

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	60	70	60	0	0	10
Beam	3306	Maintenance Concrete Superstructure Components	55	1800	14	39	23	1724
Beam	3314	Maintenance Steel Superstructure Components	9	325	3	6	315	1
Beam	3342	Clean and Paint Steel	1012	3300	12	1000	0	2288
Bearing Device	3334	Bridge Bearing	4	10	0	4	6	0
Bearing Device	3342	Clean and Paint Steel	10	10	4	6	0	0
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	2	1030	0	0	2	1028
Caps	3348	Maintenance of Concrete Substructure	58	295	2	43	68	182
Deck	3326	Maintenance of Concrete Deck	2	13307	0	1	1	13305
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	234	0	0	0	234
Piles and Columns	3348	Maintenance of Concrete Substructure	26	55	4	2	33	16
Wearing Surfaces	2816	Asphalt Surface Repair	259	12360	0	232	339	11789

			,
Structure Nun	nber <u>530020</u>		
Span2			
3306	Beam 4	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	1	Span 2 Beam 4: PAR: 11" HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS (1/16") IN SOUTH FACE AT BENT 1 (SEE PHOTO)
Span3			
3306	Beam 3	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	4	Span 3 Beam 3: PAR: 3'-8" LONG X 18" WIDE X UP TO 5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM FLANGE AT BENT 3, EXTENDING 13" HIGH ON THE SOUTH FACE AND 4" HIGH ON THE NORTH FACE. FOUR LONGITUDINAL BARS AND 6 STIRRUPS EXPOSED WITH NO MEASURABLE SECTION LOSS IN LONG. BARS AND 60% AVG SECTION REMAINING IN STIRRUPS (SEE PHOTO)
Span5 3306	Beam 3	Reinforced Co	ncrete Girder
Priority	Potent Torre	0	Partie of Proceedings
Level	Defect Type Delamination/Spall	Quantity 2	Defect Description Span 5 Beam 3: PAR: 18" LONG X 7" HIGH X 1 1/2" DEEP SPALL WITH EXPOSED REINFORCING IN SOUTH FACE, STARTING AT BENT 4 (SEE PHOTO)
Span6			
3314	Beam 1	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 6 Beam 1: PAR: 1' LONG X FULL WIDTH AREA OF CORROSION WITH 1/4" SECTION LOSS ON BOTTOM FLANGE AT BENT 5, 3/4" REMAINING
2	Distortion	2	Span 6 Beam 1: PAR: UP TO 1'-6" LONG AREA OF DISTORTION IN THE WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE NORTH UP TO 1/2" (SEE PHOTO)
3314	Beam 5	Plate Girder	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 6 Beam 5: PAR: 7" LONG X 2" WIDE AREA OF CORROSION WITH 3/8" SECTION LOSS ON NORTH SIDE OF BOTTOM FLANGE AT BENT 6. 5/8" REMAINING (SEE PHOTOS)
2	Distortion	1	Span 6 Beam 5: PAR: UP TO 6" LONG AREA OF DISTORTION IN WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE SOUTH UP TO 1/2" (SEE PHOTO)

2 Assigned Priority Maintenance 3 Assigned Critical Find

? Priority Action Request (PAR) 1 Assigned Routine Maintenance

Structure Number 530020

_			_
S	ทล	n	7

3306	Beam 1	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
?	Delamination/Spall	3	Span 7 Beam 1: PAR: (3) UP TO 10" WIDE X 1 1/2" LONG X 1/2" DEEP SPALLS WITH EXPOSED REINFORCEMENT AND NO MEASURABLE SECTION LOSS IN BOTTOM FACE, STARTING AT 11 1/2' FROM BENT 7 (SEE PHOTO)
?	Delamination/Spall	1	Span 7 Beam 1: PAR: 1'-3" LONG X 11" HIGH X 3/4 IN DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLE SECTION LOSS, LOCATED IN NORTH FACE ABOVE BENT 7 CAP (SEE PHOTO)
?	Delamination/Spall	1	Span 7 Beam 1: PAR: 8" LONG X 1'-9" HIGH X UP TO 1" DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLE SECTION LOSS IN NORTH FACE, AT BENT 6 (SEE PHOTO)

Span8

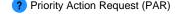
3306	Beam 1	Reinforced Co	Reinforced Concrete Girder		
Priority Level	Defect Type	Quantity	Defect Description		
9	Delamination/Spall	1	Span 8 Beam 1: PAR: 22" HIGH X UP TO 10" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS IN FORMERLY PATCHED AREA IN NORTH FACE, AT BENT 8 (SEE PHOTO)		
3306	Beam 4	Reinforced Co	ncrete Girder		
Priority Level	Defect Type	Quantity	Defect Description		
2	Delamination/Spall	2	Span 8 Beam 4: PAR: 2' LONG X 1' HIGH X 6 1/2" WIDE ON BOTTOM FACE X 1 1/2" DEEP SPALL WITH EXPOSED REBAR, LOCATED ON BOTTOM RIGHT CORNER OVER BENT 8 (SEE PHOTO)		

Span9

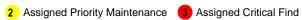
3306	Beam 4	Reinforced Co	ncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
?	Delamination/Spall	1	Span 9 Beam 4: PAR: 1' HIGH X 10" WIDE X 3/4 IN DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLEB SECTION LOSS IN SOUTH FACE AT BENT 8 (SEE PHOTO)

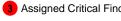
Span10

3306	Beam 3	Reinforced Co	oncrete Girder
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	5	Span 10 Beam 3: PAR: 5' LONG X 18" WIDE AREA OF SPALLS WITH EXPOSED









Structure Number 530020

REINFORCEMENT AND UP TO 1/16" WIDE LONGITUDINAL CRACKS, STARTING 6' FROM END BENT 2 ON UNDERSIDE OF BEAM. SPALL SIZES VARY FROM 3" LONG X 6" WIDE X 1" DEEP TO 1'-6" LONG X 1' WIDE X 1 1/4" DEEP (SEE POTOS)

Bent 1

3350	Abutment	Reinforced Co	ncrete Abutment
Priority Level	Defect Type	Quantity	Defect Description
2	Scour	25	End bent 1 Abutment: PAR: 25' LONG X UP TO 15" HIGH X UP TO FULL DEPTH VOID UNDER CAP WITH PILES 2-5 EXPOSED (SEE PHOTO)

Bent 2

3350	Abutment	Reinforced Co	ncrete Abutment
Priority Level	Defect Type	Quantity	Defect Description
2	Scour	35	End bent 2 Abutment: PAR: FULL LENGTH X UP TO 1'-8" HIGH X FULL DEPTH VOID UNDER CAP WITH ALL PILES EXPOSED. THERE IS A TIMBER BACKWALL IN PLACE BEHIND PILES 4-5. THERE IS NO RETAINING MEASURE IN PLACE TO HOLD BACK FILL FOR THE REMAINDER OF CAP LENGTH (SEE PHOTOS)

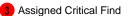
Bent 4

3348	Pile 1	Prestressed Co	oncrete Pile
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	1	Bent 4 Pile 1: PAR: 10" HIGH X 6" WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER, MID HEIGHT (SEE PHOTO)
3348	Pile 3	Prestressed Co	oncrete Pile
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	1	Bent 4 Pile 3: PAR: 9' HIGH X 8" WIDE X 1" DEEP SPALL AND DELAMINATION WITH EXPOSED REINFORCEMENT AND NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER (SEE PHOTO)
3348	Pile 5	Prestressed Co	oncrete Pile
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	1	Bent 4 Pile 5: PAR: 2' HIGH X 11" WIDE X UP TO 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST FACE BELOW CAP (SEE PHOTO)









Structure Num	ber 530020		
Bent 8			
3348	Cap 1	Reinforced Cor	ncrete Pier Cap
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	2	Bent 8 Cap 1: PAR: 1'-7" HIGH X 1' WIDE X 1 1/4" DEEP SPALL WITH EXPOSED REINFORCING ON WEST FACE BELOW BEAM 4, NO MEASURABLE SECTION LOSS (SEE PHOTO)
3348	Pile 5	Prestressed Co	oncrete Pile
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	1	Bent 8 Pile 5: PAR: 18" WIDE X 10" HIGH X 3" DEEP SPALL WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS ON SOUTH FACE, 3' ABOVE WATERLINE
2	Delamination/Spall	1	Bent 8 Pile 5: PAR: 7" HIGH X 1' WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS IN SOUTH FACE, AT 12' FROM WATER LEVEL (SEE PHOTO)

Approach Guardrail and **Barriers**

3120	Approach Guardrail and Barriers	Approach Gua	rdrail and Barriers
Priority Level	Defect Type	Quantity	Defect Description
2		12	PAR: MODERATE AREA OF IMPACT DAMAGE ON NORTHWEST GUARDRAIL STARTING APPROXIMATELY 30' FROM EAST APPROACH, POSTS 5, 6, AND 7 ARE LEANING AND POSTS 6 AND 7 ARE TWISTED (SEE PHOTOS)
2		1	PAR: NORTHEAST GUARDRAIL IS SITTING ON GROUND, 14" HIGH CREATING A POTENTIAL SAFETY HAZARD (SEE PHOTO)
1		20	PAR: AREA OF FALLEN TREES AND DRIFT UPSTREAM OF BENTS 7 AND 8 CREATING A PARTIAL BLOCKAGE (SEE PHOTO)



Element Condition and Maintenance Data

Structure Number: 530020 Inspection Date: 04/08/2022

Spa	n 1	Wearing S	Surface			111.	Speciion B	ato. <u>0-7/00/20/</u>
•	'' ' halt Wearing Sur	_	ourrace					
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	g Surface	1,200	1,174	0	26	0 8	Square Feet
Elemen Number	Dofoot Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	UP TO 3/16" WIDE X FULL DECK WIDTH CRACK OVER BENT 1, CRACK EXPANDS TO 1 1/2" WIDE IN SHOULDE (SEE PHOTO)			3	26	26	Square Feet
-	General Comments	,						

Spa	n 1	Beam 3						
Rei	nforced Concrete	Girder						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinford	ced Concrete Open Girder/Beam	50	45	0	5	0 F	eet
Elemen Numbe	Defect Type	Defect Descript	tion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	1/16" WIDE X 16" LONG LONGITUDI BOTTOM OF NORTH FACE AT BEN			3	2	2	Feet
110	Delamination/Spall	(3) 11" LONG X 1" WIDE X 1/4" DEE EXPOSED REINFORCEMENT WITH SECTION LOSS IN BOTTOM FLANG	NO MEASURABL	_	3	3	3	Feet

Span 2	2	Wearing S	Surface					
Aspha	It Wearing Sur	face						
Elemer Number 510	er	Element Name g Surface	Total Qty 1,200	CS1 Qty 1,174	CS2 Qty 0	CS3 Qty 26	CS4 Qty 0 5	Square Feet
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
	Grack (Wearing UP TO 1/8" WIDE X FULL BENT 2, CRACK EXPAND (SEE PHOTO)		K WIDTH CRACK OVER D 1 1/4" WIDE IN SHOULDERS		3	26	26	6 Square Feet
Ge	neral Comments							

Concrete	Railing						
Element Number	. .	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinford	ed Concrete Bridge Railing	50	49	1	0	0 Feet
lement lumber	Defect Type	ption		cs	CS Qty	Maint Qty	
331 Delan	mination/Spall 6" high x 4" wide x 3/4" deep spall in top of 8th rail post			post	2	1	1 Feet

General Comments

General Comments

Spa	an 2	Beam 1						
Rei	nforced Concrete	Girder						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	50	49	1	0	0	Feet
Eleme	Dofoct Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
110	Delamination/Spall	10" high x 8" long delamination on n	orth face at pie	r 1.	2	1		1 Feet
110	Cracking (RC and Other)	Full height hairline vertical crack 1' f 2.	rom beam end	at pier	1	1		Feet
	General Comments							

Span 2		Beam 4					
Reinfo	rced Concrete	Girder					
Elemen Numbe	-	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinford	ced Concrete Open Girder/Beam	50	49	0	0	1 Feet
Element Number	Defect Type	Defect Descript	tion		CS	CS Qty	Maint Qty
110 De	lamination/Spall	ion/Spall PAR: 11" HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS (1/16") IN SOUTH FACE AT BENT 1 (SEE PHOTO)			4	1	1 Feet
Gen	eral Comments						

Spa	n 3	Wearing 9	Surface					
Asp	halt Wearing Sur	face						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	g Surface	1,200	1,176	0	24	0 S	quare Feet
Elemen Numbe	Dofoot Tyme	t Type Defect Description			CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	``			3	24	24	Square Feet
-	General Comments							

Spa	an 3	Beam 2					
Rei	inforced Concrete	Girder					
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinford	ed Concrete Open Girder/Beam	50	46	2	2	0 Feet
Elemer Numbe	Dofoct Typo	Defect Descripti	on		cs	CS Qty	Maint Qty
110	Delamination/Spall	1'-9" LONG X 10" WIDE AREA OF DE LONG X 11" WIDE X 1/2" DEEP SPAL AT BENT 2.			3	2	2 Feet
110	Cracking (RC and Other)	(4) HAIRLINE TO 1/32" X 18" LONG CRACKS IN BOTTOM FACE WITH SO TO 1' ON BOTH FACES NEAR MIDSF	ME EXTENDIN	IG UP	2	1	Feet
110	Patched Area	10" HIGH X 7" WIDE SOUND PATCHI FLANGE, LOCATED AT BENT 3.	ED AREA IN BO	OTTOM	2	1	Feet
110	Cracking (RC and Other)	Several hairline vertical cracks at bo long on both faces at various locatio		ıp to 1'	1	6	Feet

	n 3	Beam 3						
Reir	nforced Concrete	Girder						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty		CS4 Qty	
110	Reinford	Reinforced Concrete Open Girder/Beam 50 43		3	0	4	Feet	
Elemen Number	Dofoot Typo	Defect Description		cs	CS Qty	Maint Qty		
110	Delamination/Spall	PAR: 3'-8" LONG X 18" WIDE X UP TO WITH EXPOSED REINFORCEMENT IN BENT 3, EXTENDING 13" HIGH ON THE HIGH ON THE NORTH FACE. FOUL BARS AND 6 STIRRUPS EXPOSED WITH MEASURABLE SECTION LOSS IN LO AND 60% AVG SECTION REMAINING	N BOTTOM FLAME HE SOUTH FACE R LONGITUDINA VITH NO DNGITUDINAL BA	NGE AT E AND AL	4	4	•	1 Feet
		PHOTO)	, 10 111/10 10 (JLL				
110	Cracking (RC and Other)		TRANSVERSE	JLL	2	2		Feet
110 110	• •	PHOTO) (2) HAIRLINE TO 1/32" X 18 IN LONG	TRANSVERSE		2	2		Feet 1 Feet

Spa	n 3	Beam 4						
Reir	nforced Concrete	Girder						
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinford	ced Concrete Open Girder/Beam	50	41	4	5	0 F	eet
lemen lumbe	Dofoot Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
110	Delamination/Spall	2' LONG X 1' HIGH AREA OF EXPOS SPALLING UP TO 1 IN DEEP IN SOU			3	2	2	Feet
110	Delamination/Spall	THREE (3) 8" LONG X 3" WIDE X 1/2 EXPOSED REINFORCEMENT WITH I LOSS IN UNDERSIDE OF BEAM, STA BENT 3 (SEE PHOTO)	NO MEASURAB	LE	3	3	3	Feet
110	Cracking (RC and Other)	(2) HAIRLINE TO 1/32" X 18" LONG CRACKS IN BOTTOM FACE, NEAR M			2	2		Feet
110	Delamination/Spall	1'-6" LONG X 1'-6" WIDE AREA OF D SOUTH FACE AT BENT 3 WITH ASS TO 1/32" WIDE MAP CRACKING			2	2	2	Feet
110	Cracking (RC and Other)	(2) hairline diagonal cracks south fac	ce 3' from pier 3	3	1	2		Feet
110	Cracking (RC and Other)	Several hairline vertical cracks at bo long on both faces at various location		p to 1'	1	6		Feet

Spa	n 4	Wearing S	Surface				
Asp	halt Wearing Sur	face					
Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearin	g Surface	1,200	1,174	0	26	0 Square Feet
Elemen Numbe	Dofoot Typo	Defect Des	scription		cs	CS Qty	Maint Qty
510	Crack (Wearing Surface)	UP TO 3/16" WIDE X FULL DEC BENT 4.	K WIDTH CRACK C	VER	3	26	26 Square Feet
	General Comments						

Spa	n 4	Beam 1						
Rei	nforced Concrete	Girder						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinford	ced Concrete Open Girder/Beam	50	50	0	0	0	Feet
Elemen Numbe	Defect Type	Defect Descript	tion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	Several hairline vertical cracks at bo long on both faces at various location		p to 1'	1	7		Feet
	General Comments							

Spa	n 4	Beam 2						
Reir	nforced Concrete	Girder						
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinford	ced Concrete Open Girder/Beam	50	50	0	0	0	Feet
lemen	Dofoot Typo	Defect Descript	tion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	• • • • • • • • • • • • • • • • • • • •		p to 1'	1	13		Feet
-	General Comments							

 $5~\rm{FT}$ LONG X 2.5 IN HIGH X 1/2 IN DEEP SPALL WITH EXPOSED REINFORCEMENT IN INTERMEDIATE DIAPHRAGM BAY 1, WEST FACE. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT

Spa	n 4	Beam 3						
Reir	nforced Concrete	Girder						
Elen Num 110		Element Name ced Concrete Open Girder/Beam	Total Qty 50	CS1 Qty 46	CS2 Qty 2	CS3 Qty 2	CS4 Qty 0 Feet	
Elemen Number	Dofoot Typo	Defect Descripti	on		cs	CS Qty	Maint Qty	
110	Delamination/Spall	(2) SPALLS WITH EXPOSED REINFO FLANGE, 17' FROM BENT 4, UP TO 7 1/2" DEEP. NO MEASURABLE SECTI REINFORCEMENT (SEE PHOTO)	" LONG X 4" W	/IDE X	3	2	2 Feet	
110	Cracking (RC and Other)	2'-6" LONG HAIRLINE UP TO 1/64" W CRACK IN BOTTOM FLANGE, LOCA BENT 4	= = -00		2	2	Feet	
110	Cracking (RC and Other) General Comments	Several hairline vertical cracks at bot long on both faces at various location		p to 1'	1	15	Feet	

1' LONG X 3" HIGH X 1/2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN INTERMEDIATE DIAPHRAGM BAY 2, WEST FACE. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT. HAIRLINE WRAP AROUND CRACK

Spa	ın 4	Beam 4						
Rei	nforced Concrete	Girder						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	50	44	6	0	0 Feet	
Elemen Numbe	Dofoct Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	1/32" wide horizontal crack 8" long a north face at pier 3.	at BOTTOM of I	beam	2	1	Feet	
110	Cracking (RC and Other)	1/32" WIDE X 16" LONG HORIZONTA FACE AT MIDSPAN.	1/32" WIDE X 16" LONG HORIZONTAL CRACK IN SOUTH			2	Feet	

Structure	Number: <u>530020</u>			Insped	ction Date: 04/08/2022
110	Cracking (RC and Other)	TWO (2) HAIRLINE TO 1/32" X 18" LONG TRANSVERSE CRACKS IN BOTTOM FACE EXTENDING UP TO 1' ON BOTH FACES NEAR MIDSPAN.	2	2	Feet
110	Delamination/Spall	3" high x 2" wide x 1/2" deep spall on bottom of beam near midspan.	2	1	1 Feet
110	Cracking (RC and Other)	Several hairline vertical cracks at bottom of beam up to 1' long on both faces at various locations	1	15	Feet
	General Comments				

Span 5 Asphal	t Wearing Surf	Wearing :	Surface				
Element Number 510	r	Element Name g Surface	Total Qty 1,200	CS1 Qty 1,176	CS2 Qty	CS3 Qty 24	CS4 Qty 0 Square Feet
lement lumber	Defect Type	Defect De	scription		cs	CS Qty	Maint Qty
Sui	ack (Wearing irface) neral Comments	UP TO 1/4" WIDE X FULL DECI BENT 5	K WIDTH CRACK O	/ER	3	24	24 Square Feet

Span 5	5	Left Bridge	Rail					
Concr	ete Railing							
Elemer Numbe	er	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	F1
331	Reinfol	rced Concrete Bridge Railing	50	49	1	0	0	Feet
Element Number	Defect Type	Defect Descri	ption		cs	CS Qty	Maint Qty	
331 Ex	kposed Rebar	(2) 2" DIAMETER X 1/2" DEEP SPAREINFORCEMENT IN WEST FACE POSTS, LOCATED AT MIDSPAN. N SECTION LOSS NOTED.	OF BRIDGE RAIL	-	2	1	1	Feet
Gei	neral Comments							

Spa	an 5		Beam 1						
Rei	infor	ced Concrete	Girder						
Nu	ment mber		Element Name	Tota Qty	Qty			CS4 Qty	
110		Reinford	ced Concrete Open Girder/Beam	50) 49	1	0	0 F	eet
Eleme		Defect Type	Defect De	scription		cs	CS Qty	Maint Qty	
110	Exp	osed Rebar	4" DIAMETER X 1/2" DEEP SPAREINFORCEMENT IN NORTH F MEASURABLE SECTION LOSS REINFORCEMENT.	FACE AT BENT 5.		2	1	1	Feet
110	Cra Oth	cking (RC and er)	SEVERAL HAIRLINE X 18" LOI IN BOTTOM FACE WITH SOME BOTH FACES NEAR MIDSPAN	EXTENDING UP		1	20		Feet
	Gene	eral Comments							

Spa	n 5	Beam 2						
Reir	nforced Concrete	Girder						
Eler Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfor	ced Concrete Open Girder/Beam	50	50	0	0	0 Feet	
Elemen Numbe	Dofoct Typo	Defect Descript	tion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	SEVERAL HAIRLINE X 18" LONG TF IN BOTTOM FACE WITH SOME EXT BOTH FACES NEAR MIDSPAN.			1	15	Feet	
-	General Comments							

Spa	ın 5	Beam 3						
Rei	nforced Concrete	Girder						
Nur	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110 Elemen	nt Defect Type	ed Concrete Open Girder/Beam Defect Description	50 	46	2 	CS Qty	2 Feet Maint Qty	
110	Delamination/Spall	PAR: 18" LONG X 7" HIGH X 1 1/2" DE EXPOSED REINFORCING IN SOUTH F BENT 4 (SEE PHOTO)	-		4	2	2 Feet	
110	Cracking (RC and Other)	1/32" wide horizontal crack 18" long of face 7' from pier 4.	n bottom of S	outh	2	2	Feet	
110	Cracking (RC and Other)	SEVERAL HAIRLINE X 18" LONG TRA IN BOTTOM FACE WITH SOME EXTEN BOTH FACES NEAR MIDSPAN.			1	10	Feet	
•	General Comments							

Span	5	Beam 4						
Reinf	forced Concrete	e Girder						
Elem Numl		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinfo	rced Concrete Open Girder/Beam	50	50	0	0	0 Feet	
Element Number	Defect Type	Defect Descript	ion		cs	CS Qty	Maint Qty	
	Cracking (RC and Other)	Several hairline vertical cracks at bo long on both faces at various location		p to 1'	1	25	Feet	
	Cracking (RC and Other)	SEVERAL HAIRLINE X 18" LONG TR IN BOTTOM FACE WITH SOME EXTE BOTH FACES NEAR MIDSPAN.			1	8	Feet	
_	other)		ENDING UP TO	1' ON				_

Spa	ın 6	Wearing S	Surface					
Asp	halt Wearing Sur	face						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing	g Surface	1,560	1,534	26	0	0 S	quare Feet
Elemen Numbe	Dofoot Typo	Defect Des	scription		cs	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	UP TO 1/2" WIDE X FULL DECK BENT 6	K FULL DECK WIDTH CRACK OVER			26	26	Square Feet
•	General Comments							

Spa	ın 6		Beam 1						
Plat	te Girder								
	ment nber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Si	teel Ope	en Girder/Beam	65	0	61	3	1	Feet
515	Si	teel Prot	tective Coating	660	455	0	200	5	Square Feet
Elemen	Dofoot Tu	pe	Defect Descrip	tion		cs	CS Qty	Maint Qty	
107	Corrosion		PAR: 1' LONG X FULL WIDTH AREA 1/4" SECTION LOSS ON BOTTOM F REMAINING			4	1	1	Feet
107	Corrosion		1' LONG X 6" HIGH AREA OF CORF LOSS ON BOTTOM OF WEB AT BE (SEE PHOTO)			3	1	1	Feet
107	Distortion		PAR: UP TO 1'-6" LONG AREA OF I WEB AT BOTH ENDS OF BEAM. WI NORTH UP TO 1/2" (SEE PHOTO)			3	2	2	2 Feet
107	Corrosion		1' LONG X FULL WIDTH AREA COR DELAMINATION ON BOTTOM FLAM		IINOR	2	1		Feet
107	Corrosion		MINOR SURFACE CORROSION ON FLANGE AND WEB, FOR FULL LEN BEAM ENDS (SEE PHOTO)			2	60		Feet
515	Effectiveness (Protective Coa		FAILED PROTECTIVE SYSTEM			4	5	5	Square Feet
515	Effectiveness (Protective Coa		STEEL PROTECTIVE COATING IS II AND BOTTOM FLANGES, AND BOT FULL LENGTH. PAINT IS INEFFECT BENTS 5 AND 6 IN WEB AND BOTT	TOM 3 IN OF WI	B FOR	3	200	200	Square Feet
	General Comme	ents							

Spa	an 6		Near Beari	ng					
Fix	ed Bearing	I							
	ment mber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313		Fixed Be	earing	1	0	0	1	0	Each
515		Steel Pro	otective Coating	1	0	0	0	1	Square Feet
Eleme	Dofoo	t Type	Defect Desc	cription		cs	CS Qty	Maint Qty	
313	Corrosion		Corrosion with minor section los	ss (< 1/16").		3	1		1 Each
515	Effectivene Protective	•	STEEL PROTECTIVE COATING	HAS FAILED.		4	1		1 Square Feet
	General Con	nments							

Spa	an 6	Far Bearing	g					
Mo	vable Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	1	0	0	Each
515	Steel Pro	otective Coating	1	0	0	1	0	Square Feet
Elemer	Dofoct Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
311	Corrosion	Corrosion with no measurable se	ection loss		2	1		Each
515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING I	S INEFFECTIVE.		3	1		1 Square Feet
	General Comments							

Span 6		Beam 2						
Plate	e Girder							
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Op	oen Girder/Beam	65	1	64	0	0 F	eet
515	Steel Pr	otective Coating	660	460	0	200	0 S	quare Feet
Element Number	Dofoot Tymo	Defect Des	cription		cs	CS Qty	Maint Qty	
107	Corrosion	18" OF BEAM END AT BENT 5 E CORROSION BENEATH PREVIOUS IN WEB BELOW END DIAPHRA FLANGES. NO MEASURABLE S	OUSLY PAINTED SU GM AND BOTTOM	RFACE	2	2		Feet
107	Corrosion	6" LONG X FULL WIDTH AREA WITH MINOR DELAMINATION O BOTTOM 3 IN OF WEB IN SOUT END. NO MEASURABLE SECTION PHOTO)	ON BOTTOM FLANG TH FACE AT BENT 6	E AND BEAM	2	1		Feet
107	Corrosion	FRECKLED RUST IN TOP AND BOTTOM 3 IN OF WEB FOR FUBEAM ENDS.		,	2	61		Feet
515	Effectiveness (Steel Protective Coatings)		BOTTOM 3 IN OF W	EB FOR	3	200	200	Square Feet

Span	6	Near Bear	ing					
Fixed	d Bearing							
Eleme Numb	****	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	aring	1	0	0	1	0	Each
515	Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
313 (Corrosion	Corrosion with no measurable	section loss		3	1	•	1 Each
	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING	HAS FAILED.		4	1		1 Square Feet
G	eneral Comments							

Spa	an 6	F	ar Bearing						
Mov	vable Bearing								
Nui	ment mber	Element Name	Tota Qt		CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing		1	0	1	0	0	Each
515	Steel Pro	tective Coating		1	0	0	1	0	Square Feet
Elemer Numbe	Dofoot Typo		Defect Description			cs	CS Qty	Maint Qty	
311	Corrosion	Light surface rust				2	1		Each
515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE	COATING IS INEFFECTIVE	E.		3	1	•	1 Square Feet
	General Comments								

Spa	n 6	Bea	ım 3					
Plat	e Girder							
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Ope	en Girder/Beam	65	0	65	0	0	Feet
515	Steel Pro	tective Coating	660	460	0	200	0	Square Feet
Elemen Numbe	Dofoot Typo	De	fect Description		CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION BENEATH IN WEB BELOW END DI	BENT 5 EXHIBITS HEAVY 5 I PREVIOUSLY PAINTED S IAPHRAGM AND BOTTOM RABLE SECTION LOSS NO	SURFACE	2	2		Feet
107	Corrosion		I AREA OF SURFACE COR ND LOWER 4" OF WEB AT		2	5		Feet
107	Corrosion		OP AND BOTTOM FLANGE FOR FULL LENGTH EXCE	,	2	58		Feet
515	Effectiveness (Steel Protective Coatings)	AND BOTTOM FLANGE FULL LENGTH. PAINT IS	DATING IS INEFFECTIVE II S, AND BOTTOM 3 IN OF I S INEFFECTIVE AT BEAM 3 AND BOTTOM FLANGES	WEB FOR ENDS AT	3	200	200	Square Feet
	General Comments							

Spa	n 6	Near Bearin	ng					
Fixe	ed Bearing							
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	aring	1	0	0	1	0	Each
515	Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Elemen Numbe	Dofoot Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
313	Corrosion	Corrosion with no measurable se	ection loss		3	1	-	1 Each
515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING H	AS FAILED.		4	1		1 Square Feet
-	General Comments							

Spa	an 6	Far E	Bearing					
Мо	vable Bearing							
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable	Bearing	1	0	1	0	0	Each
515	Steel Pro	tective Coating	1	0	0	1	0	Square Feet
Eleme Numbe	Dofoot Typo	Defe	ect Description		cs	CS Qty	Maint Qty	
311	Corrosion	Light surface rust			2	1		Each
515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE CO	ATING IS INEFFECTIVE.		3	1		1 Square Feet
	General Comments							

n 6	Beam 4						
e Girder							
nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Steel Ope	en Girder/Beam	65	0	65	0	0	Feet
Steel Prot	tective Coating	660	460	0	200	0	Square Feet
t Defect Type	Defect Descri	otion		cs	CS Qty	Maint Qty	
Corrosion			, AND	2	64		Feet
Corrosion	PAINTED SURFACE IN WEB AROUFOR 13 IN LONG STARTING AT BE	IND END DIAPHE ENT 5 BEAM END	RAGM,	2	1		Feet
Effectiveness (Steel Protective Coatings)	AND BOTTOM FLANGES AND BOTFULL LENGTH. COATING IS ALSO	TOM 3 IN OF WE	EB FOR OR 13 IN	3	200	200) Square Feet
t	e Girder steel Ope Steel Prof Defect Type Corrosion Corrosion Effectiveness (Steel	Element Name Steel Open Girder/Beam Steel Protective Coating Defect Type Defect Descrip Corrosion FRECKLED RUST IN TOP AND BO' BOTTOM 3 IN OF WEB FOR FULL Corrosion HEAVY SURFACE CORROSION BE PAINTED SURFACE IN WEB AROU FOR 13 IN LONG STARTING AT BE MEASURABLE SECTION LOSS NO Effectiveness (Steel Protective Coatings) STEEL PROTECTIVE COATING IS AND BOTTOM FLANGES AND BOT FULL LENGTH. COATING IS ALSO	e Girder Jent Element Name Qty Steel Open Girder/Beam 65 Steel Protective Coating 660 Defect Type Defect Description Corrosion FRECKLED RUST IN TOP AND BOTTOM FLANGES BOTTOM 3 IN OF WEB FOR FULL LENGTH Corrosion HEAVY SURFACE CORROSION BENEATH PREVIO PAINTED SURFACE IN WEB AROUND END DIAPHF FOR 13 IN LONG STARTING AT BENT 5 BEAM END MEASURABLE SECTION LOSS NOTED. Effectiveness (Steel Protective Coatings) STEEL PROTECTIVE COATING IS INEFFECTIVE IN AND BOTTOM FLANGES AND BOTTOM 3 IN OF WIFFULL LENGTH. COATING IS ALSO INEFFECTIVE FOR ITS	tent Element Name Qty Qty Steel Open Girder/Beam 65 0 Steel Protective Coating 660 460 Defect Type Defect Description Corrosion FRECKLED RUST IN TOP AND BOTTOM FLANGES, AND BOTTOM 3 IN OF WEB FOR FULL LENGTH Corrosion HEAVY SURFACE CORROSION BENEATH PREVIOUSLY PAINTED SURFACE IN WEB AROUND END DIAPHRAGM, FOR 13 IN LONG STARTING AT BENT 5 BEAM END. NO MEASURABLE SECTION LOSS NOTED. Effectiveness (Steel STEEL PROTECTIVE COATING IS INEFFECTIVE IN TOP	tent Element Name Qty Qty Qty Steel Open Girder/Beam 65 0 65 Steel Protective Coating 660 460 0 Defect Type Defect Description CS Corrosion FRECKLED RUST IN TOP AND BOTTOM FLANGES, AND BOTTOM 3 IN OF WEB FOR FULL LENGTH Corrosion HEAVY SURFACE CORROSION BENEATH PREVIOUSLY PAINTED SURFACE IN WEB AROUND END DIAPHRAGM, FOR 13 IN LONG STARTING AT BENT 5 BEAM END. NO MEASURABLE SECTION LOSS NOTED. Effectiveness (Steel Protective Coatings) STEEL PROTECTIVE COATING IS INEFFECTIVE IN TOP AND BOTTOM FLANGES AND BOTTOM 3 IN OF WEB FOR FULL LENGTH. COATING IS ALSO INEFFECTIVE FOR 13 IN	tent Element Name Qty Qty Qty Qty Qty Qty Steel Open Girder/Beam 65 0 65 0 65 0 Steel Protective Coating 660 460 0 200 Defect Type Defect Description CS CS Qty Corrosion FRECKLED RUST IN TOP AND BOTTOM FLANGES, AND BOTTOM 3 IN OF WEB FOR FULL LENGTH Corrosion HEAVY SURFACE CORROSION BENEATH PREVIOUSLY PAINTED SURFACE IN WEB AROUND END DIAPHRAGM, FOR 13 IN LONG STARTING AT BENT 5 BEAM END. NO MEASURABLE SECTION LOSS NOTED. Effectiveness (Steel Protective Coatings) STEEL PROTECTIVE COATING IS INEFFECTIVE IN TOP AND BOTTOM FLANGES AND BOTTOM 3 IN OF WEB FOR FULL LENGTH. COATING IS ALSO INEFFECTIVE FOR 13 IN	Total CS1 CS2 CS3 CS4 ber Element Name Qty Qty Qty Qty Qty Steel Open Girder/Beam 65 0 65 0 0 Steel Protective Coating 660 460 0 200 0 Defect Type Defect Description CS CS Qty BOTTOM 3 IN OF WEB FOR FULL LENGTH Corrosion FRECKLED RUST IN TOP AND BOTTOM FLANGES, AND BOTTOM 3 IN OF WEB FOR FULL LENGTH Corrosion HEAVY SURFACE CORROSION BENEATH PREVIOUSLY PAINTED SURFACE IN WEB AROUND END DIAPHRAGM, FOR 13 IN LONG STARTING AT BENT 5 BEAM END. NO MEASURABLE SECTION LOSS NOTED. Effectiveness (Steel STEEL PROTECTIVE COATING IS INEFFECTIVE IN TOP AND BOTTOM 3 IN OF WEB FOR FULL LENGTH. COATING IS ALSO INEFFECTIVE FOR 13 IN

Spa	ın 6	Near Beari	ng					
Fixe	ed Bearing							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Be	aring	1	0	1	0	0	Each
515	Steel Pro	tective Coating	1	0	0	1	0	Square Feet
Elemer Numbe	Dofoct Typo	Defect Desc	ription		CS	CS Qty	Maint Qty	
313	Corrosion	Corrosion with no measurable se	ection loss		2	1	-	Each
515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING I	S INEFFECTIVE.		3	1		1 Square Feet
	General Comments							

Spa	an 6		Far Beari	ng					
Мо	vable	e Bearing							
	ement imber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311		Movable	Bearing	1	0	1	0	0	Each
515		Steel Pro	tective Coating	1	0	0	1	0	Square Feet
Eleme		Defect Type	Defect De	scription		cs	CS Qty	Maint Qty	
311	Cor	rosion	Light surface rust			2	1		Each
515		ectiveness (Steel tective Coatings)	STEEL PROTECTIVE COATING	S IS INEFFECTIVE.		3	1		1 Square Feet
	Gene	eral Comments							

Spa	ın 6	Beam 5						
Plat	te Girder							
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel	Open Girder/Beam	65	0	60	3	2 F	eet
515	Steel	Protective Coating	660	453	0	200	7 8	Square Feet
Elemer Numbe	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
107	Corrosion	PAR: 7" LONG X 2" WIDE AREA SECTION LOSS ON NORTH SID BENT 6. 5/8" REMAINING (SEE	E OF BOTTOM FLA		4	2	2	Feet
107	Corrosion	2' Long corrosion with 1/16" sec (North side) and bottom of web remaining full width of flange ar pier 5.	with 15/16" average	Ū	3	2	2	Feet
107	Distortion	PAR: UP TO 6" LONG AREA OF BOTH ENDS OF BEAM. WEB IS TO 1/2" (SEE PHOTO)			3	1	1	Feet
107	Corrosion	CORROSION WITH MINOR DEL BOTTOM FLANGES, AND BOTT LONG, STARTING AT 6 FT FRO MEASURABLE SECTION LOSS	OM 6 IN OF WEB FO M BENT 6. NO	OR 11 FT	2	11		Feet
107	Corrosion	FRECKLED RUST IN TOP AND I BOTTOM 3" OF WEB AT VARIO		AND	2	24		Feet
107	Corrosion	SURFACE CORROSION IN TOP VARIOUS LOCATIONS EXCEPT		SE, AT	2	25		Feet
515	Effectiveness (Ste Protective Coating				4	7	7	Square Feet
515	Effectiveness (Ste Protective Coating				3	200	200	Square Feet
	General Comments	3						

Spa	an 6		Near Bear	ing					
Fix	ed Beari	ng							
	ment mber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313		Fixed Be	aring	1	0	0	1	0	Each
515		Steel Pro	tective Coating	1	0	0	0	1	Square Feet
Elemei Numbe	Dof	ect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
313	Corrosio	on	Corrosion with minor section lo	ss (< 1/16").		3	1	-	1 Each
515		eness (Steel ve Coatings)	STEEL PROTECTIVE COATING	HAS FAILED.		4	1		1 Square Feet
	General C	comments							

Span 6		Far Bearir	ng					
Movable	Bearing							
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movab	e Bearing	1	0	1	0	0	Each
515	Steel P	rotective Coating	1	0	0	1	0	Square Feet
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
311 Corr	rosion	CORROSION WITH MINOR DEL	AMINATION (SEE PH	НОТО)	2	1		Each

Inspection Date: <u>04/08/2022</u> Structure Number: 530020

General Comments

Effectiveness (Steel STEEL PROTECTIVE COATING IS INEFFECTIVE. Protective Coatings) 3 1 Square Feet

Span 7		Deck						
Reinfo	rced Concrete	Deck						
Element Number	-	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinford	ced Concrete Deck	1,292	1,291	0	1	0	Square Feet
Element Number	Defect Type	Defect Des	cription		CS	CS Qty	Maint Qty	
12 De	lamination/Spall	8" LONG X 6" WIDE X 1" DEEP S OVERHANG WITH EXPOSED RE BENT 6 & 7.		VER	3	1	-	1 Square Feet
Gen	eral Comments							

Span	7	Wearing S	urface					
Asph	nalt Wearing Sur	face						
Elem Numl		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearin	g Surface	1,200	1,176	0	24	0	Square Feet
lement lumber	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
	Crack (Wearing Surface)	UP TO 3/16" WIDE X FULL DEC BENT 7, CRACK EXPANDS TO			3	24	-	Square Fee
6	eneral Comments							

General	Comments	

Spai	n 7	Beam 1						
Rein	forced Concrete	Girder						
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinford	ed Concrete Open Girder/Beam	50	43	0	7	0 F	eet
Element Number	Dofoot Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
110	Delamination/Spall	(2) UP TO 7" WIDE X 2" LONG X 3/4" EXPOSED REINFORCEMENT IN BOT AT 7 FT FROM BENT 6 (SEE PHOTO	TTOM FACE, LO		3	2	2	Feet
110	Delamination/Spall	(3) UP TO 10" WIDE X 1 1/2" LONG X WITH EXPOSED REINFORCEMENT A SECTION LOSS IN BOTTOM FACE, S FROM BENT 7 (SEE PHOTO)	AND NO MEASU	JRABLE	3	3	3	Feet
110	Delamination/Spall	1'-3" LONG X 11" HIGH X 3/4 IN DEE EXPOSED REINFORCEMENT NO ME LOSS, LOCATED IN NORTH FACE A (SEE PHOTO)	ASURABLE SE		3	1	1	Feet
110	Delamination/Spall	8" LONG X 1'-9" HIGH X UP TO 1" DI EXPOSED REINFORCEMENT NO ME LOSS IN NORTH FACE, AT BENT 6 (ASURABLE SE		3	1	1	Feet
(General Comments	-						

Spa	ın 7	Beam 2						
Rei	nforced Concrete	Girder						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinford	ced Concrete Open Girder/Beam	50	44	0	6	0	Feet
Elemer Numbe	Dofoot Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	1/16" WIDE X 6' LONG LONGITUDIN FACE, STARTING AT 11 1/2' FROM E		ОТТОМ	3	6		Feet
	General Comments							

read Constate	Beam 4						
cea Concrete	Girder						
t •	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
Reinford	ed Concrete Open Girder/Beam	50	47	0	3	0 F	eet
Defect Type	Defect Descript	tion		cs	CS Qty	Maint Qty	
acking (RC and her)	1/16" WIDE x 1' long longitudinal cra 6	ack bottom face	at pier	3	1	1	Feet
lamination/Spall	(2) 7" LONG X 3" WIDE X 3/4" IN DEEP SPALL IN BOTTOM FACE WITH EXPOSED REINFORCEMENT, LOCATED AT 6 FT FROM BENT 7. NO MEASURABLE SECTION LOSS NOTED (SEE PHOTOS)		3	2	2	Feet	
	Reinford Defect Type acking (RC and ner)	Element Name Reinforced Concrete Open Girder/Beam Defect Type Defect Descript acking (RC and 1/16" WIDE x 1' long longitudinal crafter) lamination/Spall (2) 7" LONG X 3" WIDE X 3/4" IN DE FACE WITH EXPOSED REINFORCE FT FROM BENT 7. NO MEASURABL	Total Element Name Reinforced Concrete Open Girder/Beam Defect Type Defect Description acking (RC and ner) Defect Type Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description 1/16" WIDE x 1' long longitudinal crack bottom face 6 Defect Description	Total CS1 Element Name Qty Qty Reinforced Concrete Open Girder/Beam 50 47 Defect Type Defect Description acking (RC and ner) 6 Iamination/Spall (2) 7" LONG X 3" WIDE X 3/4" IN DEEP SPALL IN BOTTOM FACE WITH EXPOSED REINFORCEMENT, LOCATED AT 6 FT FROM BENT 7. NO MEASURABLE SECTION LOSS	Total CS1 CS2 Element Name Qty Qty Qty Reinforced Concrete Open Girder/Beam 50 47 0 Defect Type Defect Description CS acking (RC and ner) 6 Iamination/Spall (2) 7" LONG X 3" WIDE X 3/4" IN DEEP SPALL IN BOTTOM FACE WITH EXPOSED REINFORCEMENT, LOCATED AT 6 FT FROM BENT 7. NO MEASURABLE SECTION LOSS	Total CS1 CS2 CS3 Element Name Qty Qty Qty Qty Reinforced Concrete Open Girder/Beam 50 47 0 3 Defect Type Defect Description CS CS Qty acking (RC and ner) 6 Iamination/Spall (2) 7" LONG X 3" WIDE X 3/4" IN DEEP SPALL IN BOTTOM FACE WITH EXPOSED REINFORCEMENT, LOCATED AT 6 FT FROM BENT 7. NO MEASURABLE SECTION LOSS	Total CS1 CS2 CS3 CS4 Element Name Qty Qty Qty Qty Qty Qty Reinforced Concrete Open Girder/Beam 50 47 0 3 0 F Defect Type Defect Description CS CS Qty acking (RC and 1/16" WIDE x 1' long longitudinal crack bottom face at pier 6 6

Spa	n 8	Wearing Su	ırface					
Asp	halt Wearing Su	rface						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Weari	ng Surface	1,200	1,149	25	26	0 8	Square Feet
Elemen Numbe	Dofoot Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	UP TO 1/2" WIDE X FULL DECK V BENT 8.	VIDTH CRACK O	/ER	3	26	26	Square Feet
510	Crack (Wearing Surface)	25' Long X 1/32" WIDE longitudin path westbound lane	al crack in right v	vheel	2	25	25	Square Feet
-	General Comments							

Span 8	3	Beam 1						
Reinfo	rced Concrete	Girder						
Elemer Numbe		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinford	ced Concrete Open Girder/Beam	50	49	0	1	0 1	Feet
Element Number	Defect Type	Defect Descript	tion		cs	CS Qty	Maint Qty	
110 De	elamination/Spall	22" HIGH X UP TO 10" WIDE X 1" DE EXPOSED REINFORCEMENT WITH SECTION LOSS IN FORMERLY PATO FACE, AT BENT 8 (SEE PHOTO)	NO MEASURAB	LE	3	1	1	Feet
Gei	neral Comments							

Spa	an 8	Beam 4						
Rei	nforced Concrete	Girder						
	ment mber	Element Name ced Concrete Open Girder/Beam	Total Qty 50	CS1 Qty 46	CS2 Qty	CS3 Qty	CS4 Qty 2 Fee	ut
Elemer Numbe	nt Defect Type	Defect Descriptio			cs	CS Qty	Maint Qty	
110	Delamination/Spall	PAR: 2' LONG X 1' HIGH X 6 1/2" WIDE X 1 1/2" DEEP SPALL WITH EXPOSED ON BOTTOM RIGHT CORNER OVER E	REBAR, LOC	ATED	4	2	2 F	eet
110	Delamination/Spall	(2) SPALLS ON UNDERSIDE OF BEAM 14' FROM BENT 8. 5" LONG X 6" WIDE LONG X 4" WIDE X 1/2" DEEP, BOTH V REINFORCEMENT. NO MEASURABLE PHOTO)	X 1/2" DEEP WITH EXPOSE	AND 3" D	3	2	2 F	eet
	General Comments							

Span	9	Deck						
Reinf	orced Concrete	Deck						
Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinford	ed Concrete Deck	1,292	1,291	1	0	0	Square Feet
lement lumber	Defect Type	Defect Des	scription		cs	CS Qty	Maint Qty	
12 [Delamination/Spall	6" WIDE X 4" LONG X 1/2" DEE REBAR IN RIGHT OVERHANG			2	1		1 Square Feet
G	eneral Comments		•					

Spa	ın 9		Wearing S	urface					
Asp	halt W	earing Sur	face						
	ment mber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510		Wearin	g Surface	1,200	1,144	0	56	0 S	quare Feet
Elemen Numbe	' г	efect Type	Defect Desc	ription		cs	CS Qty	Maint Qty	
510	Crack Surfac	(Wearing e)	30' Long X 1/16" WIDE longitudir path westbound lane	nal crack in right v	vheel	3	30	30	Square Feet
510	Crack Surfac	(Wearing e)	UP TO 3/16" WIDE X FULL DECK BENT 9, CRACK EXPANDS TO 1			3	26	26	Square Feet
-									

Span 9	ced Concrete	Beam 1						
Element Number	t	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinford	ed Concrete Open Girder/Beam	50	48	1	1	0 Feet	
Element Number	Defect Type	Defect Descript	ion		cs	CS Qty	Maint Qty	
110 Del	lamination/Spall	3" WIDE X 6" HIGH X 1/2" DEEP SPAREINFORCEMENT IN NORTH FACE, 8. NO MEASURABLE SECTION LOSS REINFORCEMENT (SEE PHOTO)	LOCATED OVE		3	1	1 Feet	

2

1 Feet

110 Exposed Rebar 2" DIAMETER X 3/16" DEEP SPALL WITH EXPOSED
REINFORCEMENT IN BOTTOM FACE, LOCATED AT 15 FT
FROM BENT 9. NO MEASURABLE SECTION LOSS IN

EXPOSED REINFORCEMENT (SEE PHOTO)

General Comments

Spa	ın 9	Beam 4						
Rei	nforced Concrete	Girder						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinford	ced Concrete Open Girder/Beam	50	48	1	1	0 1	Feet
Elemen Numbe	Dofoct Typo	Defect Descripti	on		cs	CS Qty	Maint Qty	
110	Delamination/Spall		1' HIGH X 10" WIDE X 3/4 IN DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLE SECTION LOSS IN SOUTH FACE AT BENT 8 (SEE PHOTO)			1	1	Feet
110	Delamination/Spall	6" diameter delamination on bottom	face midspan		2	1	1	Feet
•	General Comments							

Spa	n 10			Wearing Surface						
Asp	halt	Wearing Surfa	ce							
	ment nber		Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510		Wearing S	Surface		1,200	912	288	0	0	Square Feet
Elemen Numbe		Defect Type		Defect Description			cs	CS Qty	Maint Qty	
510		aring Surface)	ABUTMENT 2 (ARI PREVIOUS INSPEC	E X FULL DECK WIDT EA HAS BEEN REPAIR CTION WITH AN ASPH PPROACH) (SEE PHO	RED SINCE ALT WEDO		2	288		Square Feet
-	Gener	al Comments			,					

Span	n 10	Beam 1						
Rein	forced Concrete	Girder						
Elem Num 110	ber	Element Name red Concrete Open Girder/Beam	Total Qty 50	CS1 Qty 46	CS2 Qty 0	CS3 Qty 4	CS4 Qty 0 F	eet
Element Number	Defect Type	Defect Description	on		cs	CS Qty	Maint Qty	
110	Delamination/Spall	REINFORCEMENT IN BOTTOM FACE	LONG X 4" WIDE X 1/2" DEEP SPALL WITH EXPOSED INFORCEMENT IN BOTTOM FACE, LOCATED AT DSPAN. NO MEASURABLE SECTION LOSS IN EXPOSED INFORCEMENT (SEE PHOTO)				1	Feet
110	Delamination/Spall	EXPOSED REINFORCEMENT IN BOT AT 6 FT FROM BENT 9. NO MEASUR.	REE (3) 11" WIDE X 3" LONG X 1/2" DEEP SPALLS WITH POSED REINFORCEMENT IN BOTTOM FACE, LOCATED 6 FT FROM BENT 9. NO MEASURABLE SECTION LOSS EXPOSED REINFORCEMENT (SEE PHOTO)				3	Feet
110	Cracking (RC and Other)	SCATTERED HAIRLINE FLEXURAL O	RACKS		1	6		Feet

Span 1	0	Beam 3						
Reinfor	ced Concrete	Girder						
Element Number		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty 5 Feet	
110 Element Number	Defect Type	ed Concrete Open Girder/Beam Defect Descripti	50 on	45	0 CS	CS Qty	Maint	
	amination/Spall	PAR: 5' LONG X 18" WIDE AREA OF EXPOSED REINFORCEMENT AND UI LONGITUDINAL CRACKS, STARTING ON UNDERSIDE OF BEAM. SPALL SI LONG X 6" WIDE X 1" DEEP TO 1'-6" 1/4" DEEP (SEE POTOS)	SPALLS WITH P TO 1/16" WID 6 6' FROM END IZES VARY FRO	BENT 2 OM 3"	4	5	Qty 5 Feet	
Gen	eral Comments			•	·		•	_

Spa	ın 10	Beam 4						
Rei	nforced Concrete	Girder						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinford	ced Concrete Open Girder/Beam	50	50	0	0	0 Feet	
Elemer	Dofoot Typo	Defect Descript	ion		cs	CS Qty	Maint Qty	
110	Cracking (RC and Other)	SCATTERED HAIRLINE FLEXURAL	CRACKS		1	5	Feet	
	General Comments							_

Ben	t 1	Cap 1						
Rein	forced Concrete	Pier Cap						
Elen Num 234	nber	Element Name	Total Qty 25	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Remore	ed Concrete Pier Cap	25	4	20	ı	0 Feet	
Element	Dofoct Type	Defect Descr	iption		cs	CS Qty	Maint Qty	
234	Delamination/Spall	16" HIGH X 11" WIDE X 1" DEEP S REINFORCEMENT WITH NO MEA EAST FACE UNDER BEAM 4 (SEE	SURABLE SECTIO		3	1	1 Feet	
234	Cracking (RC and Other)	A few areas of hairline map crack locations.	s on east face at v	arious	2	10	Feet	
234	Cracking (RC and Other)	FULL HEIGHT AREA OF HAIRLIN EFFLORESCENCE AND LEAKAG BELOW BAYS 2 AND 3 (SEE PHO	E STAINS IN WEST		2	7	Feet	
234	Cracking (RC and Other)	UP TO 1/16 IN WIDE X 3 FT WIDE VERTICAL CRACKS IN SOUTH FA			2	2	Feet	
234	Delamination/Spall	10" WIDE X 7" HIGH X UP TO 1" DEAM 4.	DEEP SPALL IN WE	ST	2	1	1 Feet	
(General Comments							_

Bent 1		Pile 4						
Prestres	ssed Concrete Pile							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile		1	0	1	0	0 Each	
Element Number	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

1 Each

226 Delamination/Spall 16 IN HIGH X 3 IN WIDE AREA OF DELAMINATION IN 2
NORTHWEST FACE AT GROUNDLINE.

General Comments

Bei	nt 1		Pile 5						
Pre	estres	sed Concrete	Pile						
	ment mber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226		Prestres	ssed Concrete Pile	1	0	1	0	0	Each
Eleme		Defect Type	Defect Desc	cription		cs	CS Qty	Maint Qty	
226	Crac	cking (PSC)	1' long vertical hairline crack at	top pile west face.		2		1	Each
226	Dela	mination/Spall	5 FT HIGH X 12 IN WIDE AREA C FACE, STARTING AT 4 FT FROM		N EAST	2	1	1	Each
	Gene	ral Comments							

End	d Bent '	1	Abutmen	t					
Rei	nforce	d Concrete	Abutment						
	ment mber		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215		Reinford	ed Concrete Abutment	35	10	0	0	25 F	eet
Eleme	D	efect Type	Defect De	scription		cs	CS Qty	Maint Qty	
215	Scour		PAR: 25' LONG X UP TO 15" H VOID UNDER CAP WITH PILES			4	25	25	Feet
	General	Comments							_

End B	Bent 1	Cap 1						
Reinfo	orced Concrete	Pier Cap						
Eleme Numb	· · · ·	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinford	ed Concrete Pier Cap	35	29	4	2	0 F	eet
lement lumber	Defect Type	Defect Desc	ription		cs	CS Qty	Maint Qty	
234 D	Delamination/Spall	UP TO 15" WIDE X 12" HIGH X 1" EXPOSED REINFORCEMENT UN MEASURABLE SECTION LOSS		-	3	2	2	Feet
	Cracking (RC and Other)	(4) HAIRLINE X 3 FT LONG VERT PREVIOUSLY PATCHED SURFAC UNDER BEAMS 2 & 3.			2	4		Feet
Ge	eneral Comments							

Bent 2		Cap 1						
Reinford	ced Concrete	Pier Cap						
Element Number 234	Reinforc	Element Name ed Concrete Pier Cap	Total Qty 25	CS1 Qty 14	CS2 Qty 8	CS3 Qty 3	CS4 Qty 0 F	eet
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
234 Dela	amination/Spall	1' HIGH X 9" WIDE X 1" DEEP SI BELOW BAY 1 WITH EXPOSED MEASURABLE SECTION LOSS	REINFORCING, NO		3	1	1	Feet

Structure	Number: <u>530020</u>			Insped	ction Date: <u>04/08/2022</u>
234	Delamination/Spall	1'-6" HIGH X 9" WIDE X 1" DEEP SPALL ON EAST FACE BELOW BAY 2 WITH EXPOSED REINFORCING, NO MEASURABLE SECTION LOSS (SEE PHOTO)	3	1	1 Feet
234	Delamination/Spall	17" HIGH X 5" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEAURABLE SECTION LOSS ON EAST FACE BELOW BEAM 1 (SEE PHOTO)	3	1	1 Feet
234	Cracking (RC and Other)	Several hairline diagonal / vertical cracks at top of cap up to 1' long primarily under beam locations both faces	2	8	Feet
	General Comments				

Ben	t 2	Pile 1						
Pres	stressed Concret	e Pile						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestre	ssed Concrete Pile	1	0	1	0	0	Each
lemen lumbe	Dofoot Typo	Defect Desc	cription		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND AI STARTING AT GROUND LEVEL			2	1		Each
	General Comments							

Ben	nt 2	Pile 2						
Pre	stressed Concrete	Pile Pile						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestres	ssed Concrete Pile	1	0	1	0	0 Each	
Elemen Numbe	Dofoct Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND ALL STARTING AT GROUND LEVEL.			2	1	Each	
•	General Comments							

Bent	2	Pile 3						
Pres	tressed Concrete	e Pile						
Elem Num	ber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	,
226	Prestres	ssed Concrete Pile	1	0	1	0	0	Each
lement Number	Dofoct Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND A STARTING AT WATER LEVEL.	BRASION FOR 5 FT		2	1		Each
0	General Comments							

Ben	nt 2	Pile 4						
Pre	stressed Concret	e Pile						
	ment nber Prestre	Element Name ssed Concrete Pile	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty 0	CS4 Qty	
Elemen Numbe	Dofoot Tymo	Defect Des	cription		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND A STARTING AT GROUND LEVEL			2	1	-	Each
	General Comments							

Ben	t 2	Pile 5						
Pres	stressed Concrete	e Pile						
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestres	ssed Concrete Pile	1	0	1	0	0 Each	
Element Number	Dofoct Type	Defect Desc	cription		CS	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND AI STARTING AT GROUND LEVEL.			2	1	Each	
(General Comments							_

End Bent	t 2	Abutmen	t					
Reinforce	ed Concrete	Abutment						
Element Number 215	Reinforc	Element Name ed Concrete Abutment	Total Qty 35	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 35 Feet	
Element Number 215 Scou	Defect Type r	Defect De PAR: FULL LENGTH X UP TO VOID UNDER CAP WITH ALL F TIMBER BACKWALL IN PLACE IS NO RETAINING MEASURE I	1'-8" HIGH X FULL DE PILES EXPOSED. THE E BEHIND PILES 4-5.	RE IS A THERE	CS 4	CS Qty 35	Maint Qty 35 Fe	eet
Genera	al Comments	FILL FOR THE REMAINDER OF PHOTOS)	CAP LENGTH (SEE					

End	Bent 2	Cap 1						
Rein	forced Concrete	Pier Cap						
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinford	ced Concrete Pier Cap	35	31	4	0	0 Feet	
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
	Cracking (RC and Other)	(4) 1/32" VERTICAL/DIAGONAL ONE BELOW EACH BEAM.	FULL HEIGHT CRAC	CKS,	2	4	Feet	
G	General Comments							

End I	Bent 2	Pile 2						
Prest	tressed Concrete	Pile						
Eleme Numb	•	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestres	sed Concrete Pile	1	0	1	0	0 Each	
Element Number	Defect Type	Defect Des	scription		cs	CS Qty	Maint Qty	
226 I	Delamination/Spall	12" HIGH X 2" WIDE AREA OF I NORTHWEST FACE BENEATH		TOP OF	2	1	1 Each	
G	eneral Comments							_

End	d Bent 2	Pile 3						
Pre	stressed Concrete	Pile Pile						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestres	sed Concrete Pile	1	0	1	0	0	Each
Elemer	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
226	Delamination/Spall	12" HIGH X 4" WIDE AREA OF D NORTHWEST FACE OF PILE BE			2	1		1 Each
	General Comments							

Bent	t 3	Cap 1									
Reinforced Concrete Pier Cap											
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty				
234	Reinford	ed Concrete Pier Cap	25	18	2	5	0 F	eet			
Element Number	Dofoot Typo	Defect Descr	iption		cs	CS Qty	Maint Qty				
234	Cracking (RC and Other)	UP TO 1/16 IN WIDE X 2' LONG HOWEST FACE, UNDER BAY 3.	ORIZONTAL CRAC	K IN	3	2	-	Feet			
234	Delamination/Spall	1' HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED 3 1 REINFORCING, NO MEASURABLE SECTION LOSS, AT BOTTOM OF WEST FACE BELOW BAY 1 (SEE PHOTO)					1	Feet			
234	Delamination/Spall	1'-8" HIGH X 6" WIDE X 1" DEEP S REINFORCEMENT WITH NO MEA IN WEST FACE, BELOW BEAM 4	SURABLE SECTION		3	1	1	Feet			
234	Delamination/Spall	REINFORCING, NO MEASURABLE	REINFORCING X 4" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCING, NO MEASURABLE SECTION LOSS, AT BOTTOM OF WEST FACE BELOW BAY 1 (SEE PHOTO)			1	1	Feet			
234	Patched Area	3' HIGH X 1' WIDE UNSOUND PAT UNDER BAY 1.	3' HIGH X 1' WIDE UNSOUND PATCH IN WEST FACE					Feet			
234	Cracking (RC and Other)	AREAS OF HAIRLINE MAP CRAC AND 4 WEST FACE AND UNDER			1	4		Feet			
234	Cracking (RC and Other)	Several hairline diagonal / vertica to 1' long primarily under beam lo	•		1	6		Feet			

Ben	nt 3	Pile 1						
Pre	stressed Concrete	Pile						
Nur	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestres	ssed Concrete Pile	1	0	1	0	0 Each	
Elemen Numbe	Dofoot Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	MINOR ABRASION FOR 5 FT ST LEVEL.	TARTING AT GROUND)	2	1	Each	
	General Comments							

Bent 3		Pile 2						
Prestres	ssed Concrete Pile							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile		1	0	1	0	0 Each	
Element Number	Defect Type	Defect Description			cs	CS Qty	Maint Qty	

Structure Number: 530020

226 Abrasion/Wear (PSC/RC) MINOR ABRASION FOR 5 FT STARTING AT GROUND 2 Each

226 Patched Area 3 FT HIGH X 18 IN WIDE AREA OF SOUND CONCRETE 2 1 Each

PATCH IN WEST FACE

General Comments

Ber	nt 3	Pile 3						
Pre	stressed Concrete	Pile						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestres	sed Concrete Pile	1	0	1	0	0 Each	
Elemer	Dofoct Type	Defect Des	cription		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	MINOR ABRASION FOR 5 FT ST LEVEL.	TARTING AT GROUNI)	2	1	Each	
	General Comments							_

Ber	nt 3			Pile 4							
Pre	stressed	Concret	e Pile								
	ment mber	Prestre	Element Name ssed Concrete Pile		Total Qty 1	CS1 Qty	CS2 Qty 0	CS3 Qty 0	CS4 Qty 0	Each	
Elemer Numbe	Dofo	ct Type		Defect Description			cs	CS Qty	Maint Qty		-
226	Abrasion/ (PSC/RC)	Wear	MINOR ABRASION LEVEL.	FOR 5 FT STARTING	AT GROUN	D	2			Each	
226	Cracking General Co	· ,	1' long vertical hairl	line crack at top pile	west face.		1	1		Each	

Ben	nt 3	Pile 5						
Pre	stressed Concrete	e Pile						
	ment mber Prestres	Element Name ssed Concrete Pile	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty 0	CS4 Qty 0 E	Each
Elemer Numbe	Defect Type	Defect Desc	cription		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	MINOR ABRASION FOR 5 FT ST. LEVEL.	ARTING AT GROUN	ID	2		-	Each
226	Delamination/Spall	2' HIGH x 1' WIDE DELAMINATION OF PILE BELOW CAP.	ON IN NORTHWEST	FACE	2	1	1	Each
	General Comments							

Bent	4	Cap 1						
Reinf	forced Concrete	Pier Cap						
Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinford	ed Concrete Pier Cap	25	19	0	6	0	Feet
Element Number	Defect Type	Defect Des	cription		cs	CS Qty	Maint Qty	
234 [Delamination/Spall	1'-4" LONG X 10" HIGH X UP TO CAP, WEST FACE, BAY 3 (SEE		TOP OF	3	2	:	2 Feet
234	Delamination/Spall	2'-5" LONG X 6" HIGH X UP TO 4 CAP, WEST FACE, BAY 1 (SEE		ГОР ОГ	3	3	;	3 Feet

234 Delamination/Spall 7 IN LONG X 6 IN HIGH X UP TO 2 IN DEEP SPALL IN TOP 3 1 1 Feet OF CAP, EAST FACE, BAY 2.

General Comments

HEAVY VEGETATION GROWTH ON TOP FACE OF CAP BELOW NORTH OVERHANG (SEE PHOTO)

Be	nt 4	Pile 1								
Prestressed Concrete Pile										
	ement Imber Prestres	Element Name sed Concrete Pile	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty 0	CS4 Qty 1 E	ach		
Eleme Numb	Dofoct Typo	Defect Description	1		cs	CS Qty	Maint Qty			
226	Delamination/Spall	PAR: 10" HIGH X 6" WIDE X 2" DEEP S EXPOSED REINFORCEMENT WITH NO SECTION LOSS AT NORTHWEST COR (SEE PHOTO)	MEASURABI		4	1	1	Each		
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND ABRASIC STARTING AT WATER LEVEL.	ON FOR 4 FT		2			Each		
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASIC FROM WATERLINE DOWN 4 FEET.	N UP TO 0.25	INCH	2			Each		
	General Comments									

Ben	nt 4	Pile 2						
Pre	stressed Concre	te Pile						
	ment nber Prestro	Element Name essed Concrete Pile	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	CS4 Qty	
Elemen Numbe	Dofoct Typo	Defect Descr	ription		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND AB STARTING AT WATER LEVEL.	RASION FOR 4 FT		2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABF FROM WATERLINE DOWN 4 FEET		INCH	2			Each
	General Comments							

Ben	t 4	Pile 3						
Pres	stressed Concrete	Pile						
Elen Num 226	nber	Element Name sed Concrete Pile	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 0	CS4 Qty 1 Ea	ach
Element Number	Defect Type	Defect Descr	ription		cs	CS Qty	Maint Qty	
226	Delamination/Spall	PAR: 9' HIGH X 8" WIDE X 1" DEE DELAMINATION WITH EXPOSED NO MEASURABLE SECTION LOS CORNER (SEE PHOTO)	REINFORCEMENT		4	1	1	Each
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND AB STARTING AT WATER LEVEL.	RASION FOR 4 FT		2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABF		5 INCH	2			Each
(General Comments							

Ber	nt 4	Pile 4						
Pre	stressed Concret	e Pile						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestre	ssed Concrete Pile	1	0	1	0	0 Each	
Elemer Numbe	Dofoct Type	Defect Descri	ption		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND ABR STARTING AT WATER LEVEL.	ASION FOR 4 FT		2	1	Each	
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABR FROM WATERLINE DOWN 4 FEET		INCH	2		Each	
	General Comments							

Be	nt 4	Pile 5						
Pre	estressed Concrete	e Pile						
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestres	sed Concrete Pile	1	0	0	0	1 E	ach
Eleme Numb	Dofoct Typo	Defect Description	n		cs	CS Qty	Maint Qty	
226	Delamination/Spall	PAR: 2' HIGH X 11" WIDE X UP TO 2" E EXPOSED REINFORCEMENT IN SOUT BELOW CAP (SEE PHOTO)			4	1	1	Each
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND ABRASIC STARTING AT WATER LEVEL.	ON FOR 4 FT		2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASIC FROM WATERLINE DOWN 4 FEET.	ON UP TO 0.25	5 INCH	2			Each
	General Comments							

Ben	t 6	Cap 1						
Reir	nforced Concrete	Pier Cap						
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinford	ced Concrete Pier Cap	25	17	2	6	0 Feet	
Elemen Numbe	Dofoct Typo	Defect Descri	ption		CS	CS Qty	Maint Qty	
234	Delamination/Spall	4' LONG X 3' HIGH AREA OF DELA EXTENDS 3" UNDER CAP EAST F			3	3	3 Feet	
234	Delamination/Spall	FULL HEIGHT X 1'-6" WIDE AREA UNSOUND CONCRETE PATCH IN BEAM 5.	•		3	2	2 Feet	
234	Patched Area	16 IN HIGH X 10 IN WIDE AREA OF AREA IN EAST FACE UNDER BEA		CHED	3	1	1 Feet	
234	Cracking (RC and Other)	1/32" WIDE X 20 IN LONG TRANS' UNDERSIDE OF CAP, EAST OF PI			2	2	Feet	
234	Cracking (RC and Other)	A few hairline diagonal / vertical c		p up to	1	3	Feet	
-	General Comments							

							•	
Ben	nt 6	Pile 1						
Pre	stressed Concre	te Pile						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestre	essed Concrete Pile	1	0	1	0	0	Each
Elemer Numbe	Dofoct Typo	Defect Descr	iption		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND ABI STARTING AT WATER LEVEL.	RASION FOR 4 FT		2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABR FROM WATERLINE DOWN 4 FEET		5 INCH	2			Each
	General Comments							

Ben	t 6	Pile 2						
Pres	stressed Concret	e Pile						
Elen Nun	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestre	essed Concrete Pile	1	0	1	0	0	Each
Elemen Numbe	Dofoct Typo	Defect Desci	ription		CS	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND AB STARTING AT WATER LEVEL.	RASION FOR 4 FT		2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABF FROM WATERLINE DOWN 4 FEE		5 INCH	2			Each
-	General Comments							

Ben	t 6	Pile 3						
Pres	stressed Concret	e Pile						
Elen Num	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestre	essed Concrete Pile	1	0	1	0	0 Each	
Elemen Number	Dofoct Typo	Defect Des	cription		CS	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND A STARTING AT WATER LEVEL.	BRASION FOR 4 FT		2	1	Each	
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: AE FROM WATERLINE DOWN 4 FEI		5 INCH	2		Each	
-	General Comments							

6	Pile 4						
tressed Concrete	e Pile						
ber	Element Name ssed Concrete Pile	Total Qty 1	CS1 Qty 0	CS2 Qty 1	CS3 Qty 0	Qty	
Defect Type	Defect Desc	cription		cs	CS Qty	Maint Qty	
Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND A STARTING AT WATER LEVEL.	BRASION FOR 4 FT		2	1		Each
Abrasion/Wear (PSC/RC)			INCH	2			Each
	Prestres Defect Type Abrasion/Wear (PSC/RC) Abrasion/Wear	tressed Concrete Pile The prestressed Concrete Pile Element Name Prestressed Concrete Pile Defect Type Abrasion/Wear (PSC/RC) Abrasion/Wear UNDERWATER INSPECTION: AB	tressed Concrete Pile nent Element Name Qty Prestressed Concrete Pile 1 Defect Type Defect Description Abrasion/Wear (PSC/RC) STARTING AT WATER LEVEL. Abrasion/Wear UNDERWATER INSPECTION: ABRASION UP TO 0.25	tressed Concrete Pile Total CS1 Abrasion/Wear (PSC/RC) Abrasion/Wear CET PILE Element Name	tressed Concrete Pile Total CS1 CS2 Abrasion/Wear (PSC/RC) Abrasion/Wear UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH 2	tressed Concrete Pile Total CS1 CS2 CS3 ther Element Name Qty Qty Qty Qty Prestressed Concrete Pile 1 0 1 0 Defect Type Defect Description CS CS Qty Abrasion/Wear (PSC/RC) STARTING AT WATER LEVEL. Abrasion/Wear UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH 2	tressed Concrete Pile Total CS1 CS2 CS3 CS4 Aber Element Name Qty Qty Qty Qty Qty Qty Prestressed Concrete Pile 1 0 1 0 0 Defect Type Defect Description CS CS Qty Abrasion/Wear (PSC/RC) STARTING AT WATER LEVEL. Abrasion/Wear UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH 2

General Comments

Ber	nt 6	Pile 5						
Pre	stressed Concrete	Pile						
	ement mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestres	sed Concrete Pile	1	0	0	1	0 E	ach
Elemei Numbe	Defect Type	Defect Descript	ion		cs	CS Qty	Maint Qty	
226	Delamination/Spall	6' HIGH X 12 IN WIDE AREA OF DEL TO 1/8 IN WIDE CRACK, STARTING OF CAP.	· ····		3	1	6	Each
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND ABRA STARTING AT WATER LEVEL.	SION FOR 4 FT		2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRAS FROM WATERLINE DOWN 4 FEET.	SION UP TO 0.25	5 INCH	2			Each
	General Comments							

6 orced Concrete	Cap 1 Pier Cap						
ent oer	Element Name	Total Qty 25	CS1 Qty 21	CS2 Qty 4	CS3 Qty	CS4 Qty 0 Feet	
Defect Type	Defect Descrip	otion		cs	CS Qty	Maint Qty	
Delamination/Spall				2	1	1 Feet	
Patched Area	•			2	3	Feet	
Cracking (RC and Other)	-	•	p up to	1	4	Feet	
Cracking (RC and Other)	THREE (3) HAIRLINE VERTICAL FU WEST FACE, SCATTERED.	JLL HEIGHT CRA	CKS ON	1	3	Feet	
	orced Concrete ent er Reinforc Defect Type Delamination/Spall Patched Area Cracking (RC and Other) Cracking (RC and	Defect Type Defect Type Delamination/Spall Patched Area Cracking (RC and Other) Driver Delamination (RC and Other) Defect Cap Defect Descrip A' LONG X 1'-4" HIGH AREA OF DE UNSOUND PATCHES ON WEST FACE, UNDER BACTER (RC and Defen) Defect Descrip A' LONG X 1'-4" HIGH AREA OF DE UNSOUND PATCHES ON WEST FACE, UNDER BACTER (RC and Defen) Defect Type Defect Descrip A' LONG X 1'-4" HIGH AREA OF DE UNSOUND PATCHES ON WEST FACE, UNDER BACTER (RC and Defen) Defect Type Defect Descrip A' LONG X 1'-4" HIGH AREA OF DE UNSOUND PATCHES ON WEST FACE, UNDER BACTER (RC and Defen) Defect Type Defect Descrip The Union of the Un	orced Concrete Pier Cap Int Element Name Qty Reinforced Concrete Pier Cap 25 Defect Type Defect Description Delamination/Spall 4' LONG X 1'-4" HIGH AREA OF DELAMINATION WI UNSOUND PATCHES ON WEST FACE, UNDER BEAD Atched Area 3 SOUND CONCRETE PATCHES, UP TO 1.5' WIDE MIGH, ON WEST FACE, UNDER BAY 4 AND BEAM A few hairline diagonal / vertical cracks at top of can 1' long primarily under beam locations both faces Cracking (RC and THREE (3) HAIRLINE VERTICAL FULL HEIGHT CRA	Defect Type Defect Type Delamination/Spall Patched Area Detect Area Detect Area Detect Type Defect Description 4' LONG X 1'-4" HIGH AREA OF DELAMINATION WITH 2 UNSOUND PATCHES ON WEST FACE, UNDER BEAM 4. 3 SOUND CONCRETE PATCHES, UP TO 1.5' WIDE X 8" HIGH , ON WEST FACE, UNDER BAY 4 AND BEAM 5. Detect Type Defect Type Defect Description 4' LONG X 1'-4" HIGH AREA OF DELAMINATION WITH 2 UNSOUND PATCHES ON WEST FACE, UNDER BEAM 4. 3 SOUND CONCRETE PATCHES, UP TO 1.5' WIDE X 8" HIGH , ON WEST FACE, UNDER BAY 4 AND BEAM 5. Detect Type Defect Type Defect Description 4' LONG X 1'-4" HIGH AREA OF DELAMINATION WITH 2 UNSOUND PATCHES ON WEST FACE, UNDER BEAM 4. 3 SOUND CONCRETE PATCHES, UP TO 1.5' WIDE X 8" HIGH , ON WEST FACE, UNDER BAY 4 AND BEAM 5. Detect Type Defect Type Defect Description 4' LONG X 1'-4" HIGH AREA OF DELAMINATION WITH 2 UNSOUND PATCHES ON WEST FACE, UNDER BEAM 4. 3 SOUND CONCRETE PATCHES, UP TO 1.5' WIDE X 8" HIGH , ON WEST FACE, UNDER BAY 4 AND BEAM 5. Detect Type Defect Type Defect Description 4' LONG X 1'-4" HIGH AREA OF DELAMINATION WITH 2 UNSOUND PATCHES ON WEST FACE, UNDER BEAM 4. 3 SOUND CONCRETE PATCHES, UP TO 1.5' WIDE X 8" HIGH , ON WEST FACE, UNDER BAY 4 AND BEAM 5. Detect Type Defect Type Defect Description 1 SOUND CONCRETE PATCHES, UP TO 1.5' WIDE X 8" HIGH , ON WEST FACE, UNDER BAY 4 AND BEAM 5. Detect Type Defect Type Defect Description	per Element Name Qty Qty Qty Reinforced Concrete Pier Cap 25 21 4 Defect Type Defect Description CS Delamination/Spall 4' LONG X 1'-4" HIGH AREA OF DELAMINATION WITH 2 UNSOUND PATCHES ON WEST FACE, UNDER BEAM 4. Patched Area 3 SOUND CONCRETE PATCHES, UP TO 1.5' WIDE X 8" 4 HIGH , ON WEST FACE, UNDER BAY 4 AND BEAM 5. Cracking (RC and Other) A few hairline diagonal / vertical cracks at top of cap up to 1' long primarily under beam locations both faces Cracking (RC and THREE (3) HAIRLINE VERTICAL FULL HEIGHT CRACKS ON 1	per Element Name	orced Concrete Pier Cap Int Element Name

Ben	t 6	Pile 1						
Pres	stressed Concre	te Pile						
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestre	essed Concrete Pile	1	0	1	0	0	Each
Elemen Numbe	Dofoct Typo	Defect Descr	ription		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND AB STARTING AT WATER LEVEL.	RASION FOR 4 FT		2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABI FROM WATERLINE DOWN 4 FEE		INCH	2			Each
-	General Comments							

Bent 6		Pile 2					
Prestre	ssed Concrete Pile						
Element Number	Element Naı	ne	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
226	Prestressed Concrete Pile		1	0	1	0	0 Each
lement umber	Defect Type	Defect Description			cs	CS Qty	Maint Qtv

226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND ABRASION FOR 4 FT STARTING AT WATER LEVEL.	2	1	Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 4 FEET.	2		Each

General Comments

Ber	nt 6	Pile 3						
Pre	stressed Concret	e Pile						
	ment mber Prestre	Element Name ssed Concrete Pile	Total Qty 1	CS1 Qty 0	CS2 Qty 0	CS3 Qty 1	CS4 Qty 0 Ea	ach
Elemei Numbe	Dofoot Typo	Defect Desc	ription		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND AE STARTING AT WATER LEVEL.	RASION FOR 4 FT		3	1	4	Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: AB FROM WATERLINE DOWN 4 FEE		INCH	2			Each
	General Comments							

Ber	it 6	Pile 4						
Pre	stressed Concret	e Pile						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Each
220	Prestre	ssed Concrete Pile	1	U	'	U	0 6	acn
lemer lumbe	Dofoct Type	Defect Descr	ription		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND AB STARTING AT WATER LEVEL.	RASION FOR 4 FT		2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABF FROM WATERLINE DOWN 4 FEET		5 INCH	2			Each
226	Delamination/Spall	UNDERWATER INSPECTION: SM/ BELOW WATERLINE.	ALL IMPACT SPAL	L 2 FEET	2			Each
226	Cracking (PSC)	15' Long hairline vertical crack or	n south face.		1			Each

Ben	t 6 stressed Concret	Pile 5						
Eler	ment nber	Element Name ssed Concrete Pile	Total Qty 1	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Each
lemen lumbe	Dofoct Type	Defect Descrip	tion		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	EXPOSED AGGREGATE AND ABRA STARTING AT WATER LEVEL.	SION FOR 4 FT		2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRAFROM WATERLINE DOWN 4 FEET.	SION UP TO 0.25	5 INCH	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: SMAL BELOW WATERLINE.	L IMPACT SPALI	L 2 FEET	2			Each
226	Cracking (PSC)	HAIRLINE MAP CRACKS X 12 IN HIS CRACKS IN TOP OF PILE ON SOUT		_	1			Each

General Comments

Pres	stressed Concrete	Pile						
Eler	ment		Total	CS1	CS2	CS3	CS4	
Nun	nber	Element Name	Qty	Qty	Qty	Qty	Qty	
226	Prestres	sed Concrete Pile	1	0	1	0	0	Each
lemen lumbe	Dofoct Type	Defect Des	scription		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	MINOR ABRASION FOR 5FT ST	TARTING AT WATER	LEVEL.	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: A FROM WATERLINE DOWN 5 FE		5 INCH	2			Each
226	Delamination/Spall	4" diameter x 1" spall in west fa	ace 4' from WATERL	NE	2	1	1	I Each

Bent	: 7	Cap 1						
Rein	forced Concrete	Pier Cap						
Elem Num 234	ber	Element Name ced Concrete Pier Cap	Total Qty 25	CS1 Qty 17	CS2 Qty 4	CS3 Qty 4	CS4 Qty 0 Fe	eet
Element Number	Defect Type	Defect Desc	cription		cs	CS Qty	Maint Qty	
	Cracking (RC and Other)	1/32" - 1/16" WIDE TRANSVERS IN SOUTH FACE, THAT EXTEND FACES. TOTAL LENGTH IS 8 FT	S INTO EAST AND		3	4	8	Feet
_	Cracking (RC and Other)	A few hairline diagonal / vertical 18" long primarily under beam lo		up to	2	4		Feet
G	Seneral Comments							

Ben	nt 7	Pile 2						
Pre	stressed Concret	e Pile						
	ment nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestre	ssed Concrete Pile	1	0	1	0	0 Each	
Elemen Numbe	Dofoct Typo	Defect Descri	ription		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	MINOR ABRASION FOR 5FT STA	RTING AT WATER	LEVEL.	2	1	Each	
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABF FROM WATERLINE DOWN 5 FEE		5 INCH	2		Each	
	General Comments							

Pres	stressed Concret	e Pile					
	nent nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
226	Prestre	ssed Concrete Pile	1	0	1	0	0 Each
Elemen Numbe	Dofoot Typo	Defect Desc	ription		cs	CS Qty	Maint Qty
226	Abrasion/Wear (PSC/RC)	MINOR ABRASION FOR 5FT STA	ARTING AT WATER	LEVEL.	2	1	Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: AB FROM WATERLINE DOWN 5 FEE		5 INCH	2		Each

Ben	t 7	Pile 4						
Pres	tressed Concret	te Pile						
Elen Num 226	ber	Element Name essed Concrete Pile	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty 0	CS4 Qty 0	Each
Element Number	Dofoct Typo	Defect Descr	iption		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	MINOR ABRASION FOR 5FT STAF	RTING AT WATER	LEVEL.	2	1	-	Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABI		5 INCH	2			Each
(General Comments							

Ber	nt 7	Pile 5						
Pre	stressed Concret	e Pile						
	ment mber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestre	ssed Concrete Pile	1	0	1	0	0 E	ach
Elemer	Dofoct Type	Defect Descr	ription		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	MINOR ABRASION FOR 5FT STA	RTING AT WATER	LEVEL.	2		•	Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABF FROM WATERLINE DOWN 5 FEE		5 INCH	2			Each
226	Cracking (PSC)	UP TO 0.002 IN WIDE X 18 IN LON SOUTHWEST CORNER, LOCATE		CK IN	2	1	1	Each
	General Comments	·						

Ben	nt 8	Pile 1						
Pre	Prestressed Concrete Pile Element Name Qty Q							
Nur	mber			Qty		Qty	CS4 Qty	
226	Prestre	ssed Concrete Pile	1	0	1	0	0 Each	
	Dofoct Typo	Defect Descri	ption		cs	CS Qty	Maint Qty	
226		MINOR ABRASION FOR 5FT STAR	TING AT WATER	LEVEL.	2	1	Each	
226				INCH	2		Each	
•	General Comments							

Bent	t 8	Cap 1						
Rein	forced Concrete	Pier Cap						
Elem Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinford	ced Concrete Pier Cap	25	12	11	0	2 F	eet
Element Number	Dofoct Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
234	Delamination/Spall	PAR: 1'-7" HIGH X 1' WIDE X 1 1 EXPOSED REINFORCING ON W NO MEASURABLE SECTION LO	EST FACE BELOW		4	2	2	Feet
234	Cracking (RC and Other)	UP TO 1/32" WIDE TRANSVERS IN SOUTH FACE, THAT EXTEND FACES. TOTAL LENGTH IS 8 FT	S INTO EAST AND		2	3		Feet

Structure	Number: <u>530020</u>			Inspec	tion D	ate: 04/08/2022
234	Delamination/Spall	1'-5" HIGH X 1'-3" WIDE AREA OF DELAMINATION ON WEST FACE UNDER BEAM 4, ADJACENT TO SPALL	2	2	2	Feet
234	Delamination/Spall	2'-6" HIGH X 1'-6" WIDE AREA OF DELAMINATION IN EAST FACE UNDER BEAM 2.	2	3	3	Feet
234	Delamination/Spall	4" DIAMETER X 1/2 DEEP SPALL WEST FACE AT NORTH END	2	1	1	Feet
234	Patched Area	TWO (2) 6 IN DIAMETER SOUND CONCRETE PATCHES IN TOP OF CAP, BAY 2, WEST FACE.	2	2		Feet
234	Cracking (RC and Other)	A few hairline diagonal / vertical cracks at top of cap up to 12" long primarily under beam locations both faces	1	3		Feet
234	Cracking (RC and Other)	HAIRLINE FULL LENGTH LONGITUDINAL CRACK IN CAP UNDERSIDE, BETWEEN PILES 3 AND 4.	1	1		Feet
234	Cracking (RC and Other)	TWO (2) HAIRLINE VERTICAL FULL HEIGHT CRACKS IN WEST FACE, ONE EACH IN BAY 3 AND UNDER RIGHT OVERHANG. ONE (1) VERTICAL FULL HEIGHT CRACK IN EAST FACE, UNDER BEAM 3.	1	3		Feet
	General Comments					

Bent 8	Pile 2					
Prestresse	d Concrete Pile					
Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
226	Prestressed Concrete Pile	1	0	1	0	0 Each

Elemen Numbe	Dofoot Typo	Defect Description	cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	MINOR ABRASION FOR 5FT STARTING AT WATER LEVEL.	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 5 FEET.	2			Each

General Comments

Ben	nt 8	Pile 3						
Pre	stressed Concret	e Pile						
	ment mber Prestre	Element Name	Total Qty 1	CS1 Qty 0	CS2 Qty	CS3 Qty	CS4 Qty 0 Each	
Elemer Numbe	Dofoot Typo	Defect Des	cription		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	MINOR ABRASION FOR 5FT ST	ARTING AT WATER	LEVEL.	2	1	Each	
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: AE FROM WATERLINE DOWN 5 FEI		5 INCH	2		Each	
	General Comments							

Ben	t 8	Pile 4						
Pres	stressed Concret	e Pile						
Elen Num 226	nber	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Each
Element Number	t Defect Type	Defect Desci	ription		cs	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	MINOR ABRASION FOR 5FT STA	RTING AT WATER	LEVEL.	2	1	·	Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.25 INCH FROM WATERLINE DOWN 5 FEET.		2			Each	
(General Comments							

Structure Number: <u>530020</u> Inspection Date: <u>04/08/2022</u>

Bent	8	Pile 5						
Prest	ressed Concrete	Pile						
Eleme Numb		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestres	sed Concrete Pile	1	0	0	0	1 Ea	ach
Element Number	Defect Type	Defect Desc	cription		cs	CS Qty	Maint Qty	
226 I	Delamination/Spall	PAR: 18" WIDE X 10" HIGH X 3" EXPOSED REBAR WITH NO ME ON SOUTH FACE, 3' ABOVE WA	ASURABLE SECTIO		4		1	Each
226 I	Delamination/Spall	PAR: 7" HIGH X 1' WIDE X 2" DE REINFORCEMENT WITH MINOR FACE, AT 12' FROM WATER LEV	SECTION LOSS IN		4	1	1	Each
	Abrasion/Wear (PSC/RC)	MINOR ABRASION FOR 5FT STA	MINOR ABRASION FOR 5FT STARTING AT WATER LEVEL.		2			Each
	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: AB FROM WATERLINE DOWN 5 FEE		5 INCH	2			Each
G	eneral Comments							

Ben	t 9	Cap 1						
Rein	forced Concrete	Pier Cap						
Elen Num		Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinford	ed Concrete Pier Cap	25	0	9	16	0 F	eet
Element Number	Defeat Time	Defect Descrip	tion		cs	CS Qty	Maint Qty	
234	Cracking (RC and Other)		IP TO 12' LONG X 1/16" WIDE LONGITUDINAL CRACK ON BOTTOM FACE OF CAP, ADJACENT TO EAST EDGE BETWEEN PILES 3 AND 5			12	12	Feet
234	Delamination/Spall	1'-7" HIGH X 9 1/2" WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT ON WEST FACE BELOW BEAM 1, NO MEASURABLE SECTION LOSS (SEE PHOTO)			3	1	1	Feet
234	Delamination/Spall	EXPOSED REINFORCEMENT ON W	3'-6" WIDE X 1'-2" HIGH X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT ON WEST FACE ABOVE PILE 4, NO MEASURABLE SECTION LOSS (SEE PHOTO)			3	3	Feet
234	Cracking (RC and Other)	1/32" TRANSVERSE AND VERTICA FACE, THAT EXTENDS INTO EAST TOTAL LENGTH IS 6 FT.		•	2	2		Feet
234	Cracking (RC and Other)	AREA OF HAIRLINE MAP CRACKIN AND VERTICAL CRACKING UP TO FACE BELOW BEAMS 3 AND 4			2	4		Feet
234	Delamination/Spall		1'-3" WIDE X 7" HIGH AREA OF DELAMINATION WITH UNSOUND PATCH ON WEST FACE, BELOW BAY 3		2	2	2	Feet
234	Delamination/Spall	10" WIDE X 4" HIGH X 1" DEEP SPA ADJACENT TO BEAM 2	ALL ON EAST FA	CE	2	1	1	Feet
234	Cracking (RC and Other)	A few hairline diagonal / vertical cra		up to	1	3		Feet

Bent 9			Pile 1						
Prestres	sed Concrete	Pile							
Element Number	_	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestres	sed Concrete Pile		1	0	1	0	0 Each	
Element Number	Defect Type		Defect Description			cs	CS Qty	Maint Qty	
226 Dela	mination/Spall	(3) 5" diameter x 1, ground line.	/2" deep spalls on west	face 6' from	l	2	1	3 Each	

General Comments

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 1	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 1	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 1	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 1	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 2	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 2	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 2	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 2	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 3	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 3	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 3	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 3	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 4	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 4	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 4	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 4	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 5	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 5	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 5	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 5	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 5	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 5	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 5	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 5	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 6	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1679
Span 6	Beam 1	Plate Girder	Steel Open Girder/Beam	65
Span 6	Beam 2	Plate Girder	Steel Open Girder/Beam	65
Span 6	Beam 3	Plate Girder	Steel Open Girder/Beam	65
Span 6	Beam 4	Plate Girder	Steel Open Girder/Beam	65

Location	Name	Component	Element Name	Amount
Span 6	Beam 5	Plate Girder	Steel Open Girder/Beam	65
Span 6	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	65
Span 6	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	65
Span 6	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1560
Span 6	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Far Bearing	Movable Bearing	Movable Bearing	1
Span 6	Far Bearing	Movable Bearing	Movable Bearing	1
Span 6	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Far Bearing	Movable Bearing	Movable Bearing	1
Span 6	Far Bearing	Movable Bearing	Movable Bearing	1
Span 6	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 6	Far Bearing	Movable Bearing	Movable Bearing	1
Span 7	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 7	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 7	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 7	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 7	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 7	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 7	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 7	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 8	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 8	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 8	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 8	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 8	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 8	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 8	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 8	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 9	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 9	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 9	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 9	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 9	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 9	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 9	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 9	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Span 10	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1292
Span 10	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 10	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 10	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 10	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	50
Span 10	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50
Span 10	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	50

Location	Name	Component	Element Name	Amount
Span 10	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1200
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 1	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	35
End Bent 1	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 1	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 1	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 1	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	35
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 2	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	35
End Bent 2	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 2	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 2	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 2	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 2	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	35
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 3	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 4	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 4	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 4	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 4	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 4	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 4	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 6	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 6	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1

Location	Name	Component	Element Name	Amount
Bent 6	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 6	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 7	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 7	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 7	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 7	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 7	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 7	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 8	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 8	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 8	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 8	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 8	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 8	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 9	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	25
Bent 9	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 9	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 9	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 9	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 9	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1

General Inspection Notes

Span 4 Beam 2

5 FT LONG X 2.5 IN HIGH X 1/2 IN DEEP SPALL WITH EXPOSED REINFORCEMENT IN INTERMEDIATE DIAPHRAGM BAY 1, WEST FACE. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT

Span 6 Deck

10 IN WIDE X 5 IN LONG X 3 IN DEEP SPALL WITH EXPOSED REINFORCEMENT IN END DIAPHRAGM AT BENT 5, BAY 1, BEAM

National Bridge and NC Inspection Items

Structure Number: 530020 Inspection Date: 04/08/2022

National Bridge Inventory Items

ltem	Grade Scale	Grade	
Item 58: Deck	0 - 9 , N	7	Note:
Item 59: Superstructure	0 - 9 , N	6	Items 58,59,60,62 reflect this
Item 60: Substructure	0 - 9 , N	6	inspection only.
Item 61: Channel and Channel Protection	0 - 9 , N	7	For overall NBI coding grade, see cover sheet.
Item 62: Culvert	0 - 9 , N	N	
Item 71: Waterway Adequacy	0 - 9 , N	7	
Item 72: Approach Roadway Alignment	0 - 9 , N	8	

Note: If NBI Inspection Item is not present, code NBI item with "N"

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	Р	100	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation		G		
Drift	G, F, P, or C	F	20	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	Υ
Inspection Time	Hours	14
Traffic Control Time	Hours	9
Snooper Time	Hours	8
Ladder Used	YES/NO	N
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	Υ

National Bridge and NC SMU Inspection Item Details

Structure Number: 530020 Inspection Date: 04/08/2022

Item Priority Maintenance Issued Grade Y **Maint Code** Qty. 0 Details PAR'S ISSUED FOR SPALLS WITH EXPOSED REINFORCING, CORROSION WITH SECTION LOSS, BEAM DISTORTION, UNDERMINING AT END BENTS, GUARDRAIL DAMAGE, AND DRIFT Presently Posted Grade Y **Maint Code** Item **Qty.** 0 Details SV: 30 TTST: 31 Item Slope Protection Grade P Maint Code 3352 **Qty.** 100

Details PAR: FULL LENGTH X UP TO 1'-8" HIGH X FULL DEPTH VOID UNDER END BENT 2 CAP WITH ALL PILES EXPOSED.

THERE IS A TIMBER BACKWALL IN PLACE BEHIND PILES 4-5. THERE IS NO RETAINING MEASURE IN PLACE TO HOLD BACK FILL FOR THE REMAINDER OF CAP LENGTH (SEE PHOTOS)

PAR: 25' LONG X UP TO 15" HIGH X UP TO FULL DEPTH VOID UNDER END BENMT 1 CAP WITH PILES 2-5 EXPOSED (SEE PHOTO)

ItemDriftGrade FMaint Code 3366Qty. 20

Details PAR: AREA OF FALLEN TREES AND DRIFT UPSTREAM OF BENTS 7 AND 8 CREATING A PARTIAL BLOCKAGE (SEE PHOTO)

ItemGeneral Comments and Misc ItemsGradeMaint CodeQty.0

Details 7' LONG X FULL WIDTH WEDGE PATCH HAS BEEN ADDED TO THE WEST APPROACH ROADWAY SINCE PREVIOUS INSPECTION (SEE PHOTO)

12' LONG X FULL WIDTH WEDGE PATCH HAS BEEN ADDED TO THE EAST APPROACH ROADWAY SINCE PREVIOUS INSPECTION (SEE PHOTO)

PAR: MODERATE AREA OF IMPACT DAMAGE ON NORTHWEST GUARDRAIL STARTING APPROXIMATELY 30' FROM EAST APPROACH, POSTS 5, 6, AND 7 ARE LEANING AND POSTS 6 AND 7 ARE TWISTED (SEE PHOTOS)

PAR: NORTHEAST GUARDRAIL IS SITTING ON GROUND, 14" HIGH CREATING A POTENTIAL SAFETY HAZARD (SEE PHOTO)

Item Portion of structure in > 3' of water (Y or N) Grade Y Maint Code Qty. 0

Details BENTS 4-8 ARE IN GREATER THAN 3' OF WATER



Span 10 Beam 3: PAR: 5' LONG X 18" WIDE AREA OF SPALLS WITH EXPOSED REINFORCEMENT AND UP TO 1/16" WIDE LONGITUDINAL CRACKS, STARTING 6' FROM END BENT 2 ON UNDERSIDE OF BEAM. SPALL SIZES VARY FROM 3" LONG X 6" WIDE X 1" DEEP TO 1'-6" LONG X 1' WIDE X 1 1/4" DEEP



Span 10 Beam 3: PAR: 5' LONG X 18" WIDE AREA OF SPALLS WITH EXPOSED REINFORCEMENT AND UP TO 1/16" WIDE LONGITUDINAL CRACKS, STARTING 6' FROM END BENT 2 ON UNDERSIDE OF BEAM. SPALL SIZES VARY FROM 3" LONG X 6" WIDE X 1" DEEP TO 1'-6" LONG X 1' WIDE X 1 1/4" DEEP



Span 10 Beam 1: 3" LONG X 4" WIDE X 1/2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM FACE, LOCATED AT MIDSPAN. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT.



Span 10 Beam 1: THREE (3) 11" WIDE X 3" LONG X 1/2" DEEP SPALLS WITH EXPOSED REINFORCEMENT IN BOTTOM FACE, LOCATED AT 6 FT FROM BENT 9. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT.



Bent 9 Cap 1: 1'-7" HIGH X 9 1/2" WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT ON WEST FACE BELOW BEAM 1, NO MEASURABLE SECTION LOSS



Bent 9 Cap 1: 3'-6" WIDE X 1'-2" HIGH X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT ON WEST FACE ABOVE PILE 4, NO MEASURABLE SECTION LOSS



Span 9 Beam 1: 2" DIAMETER X 3/16" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM FACE, LOCATED AT 15 FT FROM BENT 9. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT.



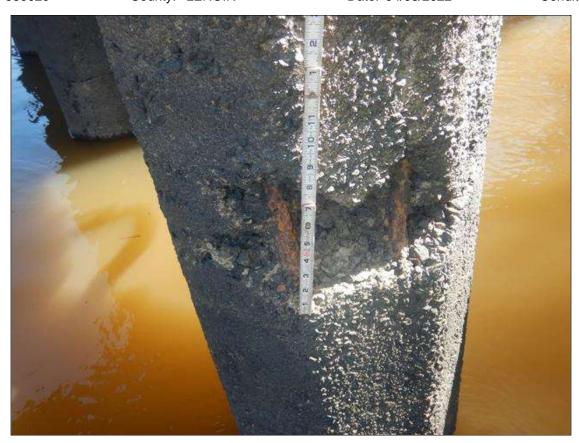
Span 9 Beam 4: 1' HIGH X 10" WIDE X 3/4 IN DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLE SECTION LOSS IN SOUTH FACE AT BENT 8



Span 9 Deck: 6" WIDE X 4" LONG X 1/2" DEEP SPALL WITH EXPOSED REBAR IN RIGHT OVERHANG AT BENT 8



Bent 8 Pile 5: PAR: 7" HIGH X 1' WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS IN SOUTH FACE, AT 12' FROM WATER LEVEL.



Bent 8 Pile 5: PAR: 18" WIDE X 10" HIGH X 3" DEEP SPALL WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS ON SOUTH FACE, 3' ABOVE WATERLINE



Span 9 Beam 1: 3" WIDE X 6" HIGH X 1/2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTH FACE, LOCATED OVER BENT 8. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT.



Span 8 Beam 1: 22" HIGH X UP TO 10" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS IN FORMERLY PATCHED AREA IN NORTH FACE, AT BENT 8



Bent 8 Cap 1: PAR: 1'-7" HIGH X 1' WIDE X 1 1/4" DEEP SPALL WITH EXPOSED REINFORCING ON WEST FACE BELOW BEAM 4, NO MEASURABLE SECTION LOSS



Span 8 Beam 4: PAR: 2' LONG X 1' HIGH X 6 1/2" WIDE ON BOTTOM FACE X 1 1/2" DEEP SPALL WITH EXPOSED REBAR, LOCATED ON BOTTOM RIGHT CORNER OVER BENT 8



Span 8 Beam 4: (2) SPALLS ON UNDERSIDE OF BEAM LOCATED 12' AND 14' FROM BENT 8. 5" LONG X 6" WIDE X 1/2" DEEP AND 3" LONG X 4" WIDE X 1/2" DEEP, BOTH WITH EXPOSED REINFORCEMENT. NO MEASURABLE SECTION LOSS



Span 7 Beam 1: 1'-3" LONG X 11" HIGH X 3/4 IN DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLE SECTION LOSS, LOCATED IN NORTH FACE ABOVE BENT 7 CAP.



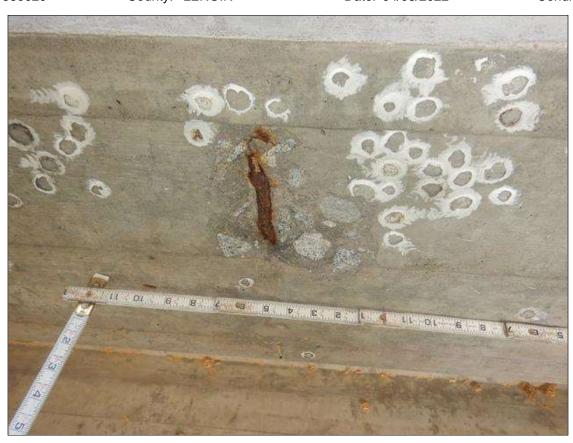
Span 7 Beam 1: (3) UP TO 10" WIDE X 1 1/2" LONG X 1/2" DEEP SPALLS WITH EXPOSED REINFORCEMENT AND NO MEASURABLE SECTION LOSS IN BOTTOM FACE, STARTING AT 11 1/2' FROM BENT 7



Span 7 Deck: 8" LONG X 6" WIDE X 1" DEEP SPALL IN RIGHT OVERHANG WITH EXPOSED REBAR, LOCATED OVER BENT 6 & 7. (OVER BENT 7 SHOWN)



Span 7 Beam 1: (2) UP TO 7 IN WIDE X 2 IN LONG X 3/4 IN DEEP SPALLS WITH EXPOSED REINFORCEMENT IN BOTTOM FACE, LOCATED AT 7 FT FROM BENT 6



Span 7 Beam 4: (2) 7" LONG X 3" WIDE X 3/4" IN DEEP SPALL IN BOTTOM FACE WITH EXPOSED REINFORCEMENT, LOCATED AT 6 FT FROM BENT 7. NO MEASURABLE SECTION LOSS NOTED.



Span 7 Beam 4: (2) 7" LONG X 3" WIDE X 3/4" IN DEEP SPALL IN BOTTOM FACE WITH EXPOSED REINFORCEMENT, LOCATED AT 6 FT FROM BENT 7. NO MEASURABLE SECTION LOSS NOTED.



Span 7 Beam 1: 8" LONG X 1'-9" HIGH X UP TO 1" DEEP SPALL WITH EXPOSED REINFORCEMENT NO MEASURABLE SECTION LOSS IN NORTH FACE, AT BENT 6.



Span 6 Beam 1: 1' LONG X 6" HIGH AREA OF CORROSION WITH SECTION LOSS ON BOTTOM OF WEB AT BENT 6, 1/2" REMAINING



Span 6 Beam 1: PAR: UP TO 1'-6" LONG AREA OF DISTORTION IN THE WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE NORTH UP TO 1/2"



Span 6 Beam 1: MINOR SURFACE CORROSION ON TOP OF BOTTOM FLANGE AND WEB, FOR FULL LENGTH EXCEPT FOR BEAM ENDS.



Span 6 Beam 5: CORROSION WITH MINOR DELAMINATION IN TOP AND BOTTOM FLANGES, AND BOTTOM 6 IN OF WEB FOR 11 FT LONG, STARTING AT 6 FT FROM BENT 6. NO MEASURABLE SECTION LOSS NOTED



Span 6 Beam 5: PAR: 7" LONG X 2" WIDE AREA OF CORROSION WITH 3/8" SECTION LOSS ON NORTH SIDE OF BOTTOM FLANGE AT BENT 6. 5/8" REMAINING



Span 6 Beam 5: PAR: 7" LONG X 2" WIDE AREA OF CORROSION WITH 3/8" SECTION LOSS ON NORTH SIDE OF BOTTOM FLANGE AT BENT 6. 5/8" REMAINING



Span 6 Beam 5 - Far Bearing: CORROSION WITH MINOR DELAMINATION



Span 6 Beam 2: 6" LONG X FULL WIDTH AREA OF SURFACE CORROSION WITH MINOR DELAMINATION ON BOTTOM FLANGE AND BOTTOM 3 IN OF WEB IN SOUTH FACE AT BENT 6 BEAM END. NO MEASURABLE SECTION LOSS NOTED.



Span 6 Beam 1: PAR: 1' LONG X FULL WIDTH AREA OF CORROSION WITH 1/4" SECTION LOSS ON BOTTOM FLANGE AT BENT 5, 3/4" REMAINING



HEAVY VEGETATION GROWTH ON TOP FACE OF BENT 4 CAP BELOW NORTH OVERHANG



Span 5 Beam 3: PAR: 18" LONG X 7" HIGH X 1 1/2" DEEP SPALL WITH EXPOSED REINFORCING IN SOUTH FACE, STARTING AT BENT 4



Bent 4 Pile 5: PAR: 2' HIGH X 11" WIDE X UP TO 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST FACE BELOW CAP



5 FT LONG X 2.5 IN HIGH X 1/2 IN DEEP SPALL WITH EXPOSED REINFORCEMENT IN INTERMEDIATE DIAPHRAGM SPAN 4 BAY 1, WEST FACE. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT



Span 4 Beam 3: (2) SPALLS WITH EXPOSED REINFORCEMENT IN BOTTOM FLANGE, 17' FROM BENT 4, UP TO 7" LONG X 4" WIDE X 1/2" DEEP. NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT



Bent 4 Cap 1: 1'-4" LONG X 10" HIGH X UP TO 2" DEEP SPALL IN TOP OF CAP, WEST FACE, BAY 3.



Bent 4 Pile 3: PAR: 9' HIGH X 8" WIDE X 1" DEEP SPALL AND DELAMINATION WITH EXPOSED REINFORCEMENT AND NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER.



Bent 4 Pile 1: PAR: 10" HIGH X 6" WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER, MID HEIGHT



Bent 4 Cap 1: 2'-5" LONG X 6" HIGH X UP TO 4" DEEP SPALL IN TOP OF CAP, WEST FACE, BAY 1.



Bent 2 Cap 1: 17" HIGH X 5" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEAURABLE SECTION LOSS ON EAST FACE BELOW BEAM 1



Bent 2 Pile 1: EXPOSED AGGREGATE AND ABRASION FOR 5 FT STARTING AT GROUND LEVEL.



Bent 2 Cap 1: 1' HIGH X 9" WIDE X 1" DEEP SPALL ON EAST FACE BELOW BAY 1 WITH EXPOSED REINFORCING, NO MEASURABLE SECTION LOSS



Bent 2 Cap 1: 1'-6" HIGH X 9" WIDE X 1" DEEP SPALL ON EAST FACE BELOW BAY 2 WITH EXPOSED REINFORCING, NO MEASURABLE SECTION LOSS



Bent 3 Cap 1: 1'-8" HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS IN WEST FACE, BELOW BEAM 4.



Span 3 Beam 4: THREE (3) 8" LONG X 3" WIDE X 1/2" DEEP SPALLS WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE LOSS IN UNDERSIDE OF BEAM, STARTING AT 8 FT FROM BENT 3.



Span 3 Beam 3: PAR: 3'-8" LONG X 18" WIDE X UP TO 5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM FLANGE AT BENT 3, EXTENDING 13" HIGH ON THE SOUTH FACE AND 4" HIGH ON THE NORTH FACE. FOUR LONGITUDINAL BARS AND 6 STIRRUPS EXPOSED WITH NO MEASURABLE SECTION LOSS IN LONGITUDINAL BARS AND 60% AVG SECTION REMAINING IN STIRRUPS.



Bent 3 Cap 1: 1' HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCING, NO MEASURABLE SECTION LOSS, AT BOTTOM OF WEST FACE BELOW BAY 1



Bent 3 Cap 1: 6" HIGH X 4" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCING, NO MEASURABLE SECTION LOSS, AT BOTTOM OF WEST FACE BELOW BAY 1



Span 2 Beam 4: PAR: 11" HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS (1/16") IN SOUTH FACE AT BENT 1.



Bent 1 Cap 1: 16" HIGH X 11" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS EAST FACE UNDER BEAM 4



Span 1 Beam 3: (3) 11" LONG X 1" WIDE X 1/4" DEEP SPALLS WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS IN BOTTOM FLANGE BETWEEN INTERIOR DIAPHRAGM AND BENT 1.



Bent 1 Cap 1: FULL HEIGHT AREA OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE AND LEAKAGE STAINS IN WEST FACE, BELOW BAYS 2 AND 3



Span 1 Wearing Surface: UP TO 3/16" WIDE X FULL DECK WIDTH CRACK OVER BENT 1, CRACK EXPANDS TO 1 1/2" WIDE IN SHOULDERS



Span 1 Wearing Surface: UP TO 3/16" WIDE X FULL DECK WIDTH CRACK OVER BENT 1, CRACK EXPANDS TO 1 1/2" WIDE IN SHOULDERS



Span 2 Wearing Surface: UP TO 1/8" WIDE X FULL DECK WIDTH CRACK OVER BENT 2, CRACK EXPANDS TO 1 1/4" WIDE IN SHOULDERS



PAR: AREA OF FALLEN TREES AND DRIFT UPSTREAM OF BENTS 7 AND 8 CREATING A PARTIAL BLOCKAGE



End bent 1 Cap 1: UP TO 15" WIDE X 12" HIGH X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT UNDER BEAM 4 WITH NO MEASURABLE SECTION LOSS



Span 6 Beam 5: PAR: UP TO 6" LONG AREA OF DISTORTION IN WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE SOUTH UP TO 1/2"



12' LONG X FULL WIDTH WEDGE PATCH HAS BEEN ADDED TO THE EAST APPROACH ROADWAY SINCE PREVIOUS INSPECTION



7' LONG X FULL WIDTH WEDGE PATCH HAS BEEN ADDED TO THE WEST APPROACH ROADWAY SINCE PREVIOUS INSPECTION



PAR: MODERATE AREA OF IMPACT DAMAGE ON NORTHWEST GUARDRAIL STARTING APPROXIMATELY 30' FROM EAST APPROACH, POSTS 5, 6, AND 7 ARE LEANING AND POSTS 6 AND 7 ARE TWISTED



PAR: MODERATE AREA OF IMPACT DAMAGE ON NORTHWEST GUARDRAIL STARTING APPROXIMATELY 30' FROM EAST APPROACH, POSTS 5, 6, AND 7 ARE LEANING AND POSTS 6 AND 7 ARE TWISTED



PAR: NORTHEAST GUARDRAIL IS SITTING ON GROUND, 14" HIGH CREATING A POTENTIAL SAFETY HAZARD



End bent 2 Abutment: PAR: FULL LENGTH X UP TO 1'-8" HIGH X FULL DEPTH VOID UNDER CAP WITH ALL PILES EXPOSED. THERE IS A TIMBER BACKWALL IN PLACE BEHIND PILES 4-5. THERE IS NO RETAINING MEASURE IN PLACE TO HOLD BACK FILL FOR THE REMAINDER OF CAP LENGTH



End bent 2 Abutment: PAR: FULL LENGTH X UP TO 1'-8" HIGH X FULL DEPTH VOID UNDER CAP WITH ALL PILES EXPOSED. THERE IS A TIMBER BACKWALL IN PLACE BEHIND PILES 4-5. THERE IS NO RETAINING MEASURE IN PLACE TO HOLD BACK FILL FOR THE REMAINDER OF CAP LENGTH



End bent 1 Abutment: PAR: 25' LONG X UP TO 15" HIGH X UP TO FULL DEPTH VOID UNDER CAP WITH PILES 2-5 EXPOSED

Stream Bed Soundings (Profile diagram on following sheet)

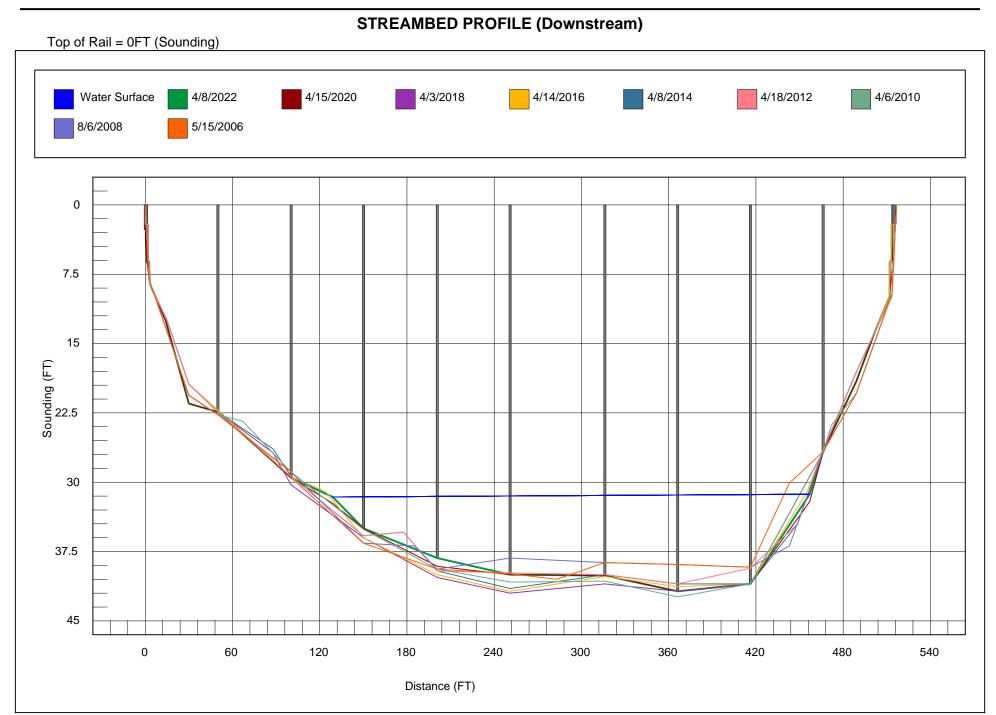
County **LENOIR** Inspection Date 04/06/2022 Structure Number: 530020

Sounding recorded from: Top of Bridge Rail

Highwater Mark Distance 24 Location of Highwater Mark STAINS ON COLUMNS

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.670	0.000	TOP OF ABUTMENT
1.000	2.670	0.000	TOP OF ABUTMENT
1.100	6.250	0.000	TOP OF CAP
2.500	6.250	0.000	TOP OF CAP
3.100	8.500	9.000	FACE OF CAP
14.000	12.500	0.000	TOP OF SLOPE
30.000	21.500	0.000	TOE OF SLOPE
50.000	22.400	22.200	BENT 1
100.300	29.500	31.500	BENT 2
129.000	31.600	0.000	WSWE
150.100	35.000	30.400	BENT 3
200.800	38.200	36.500	BENT 4
250.900	40.000	38.600	BENT 5
316.100	40.100	40.700	BENT 6
366.200	41.800	41.600	BENT 7
416.200	41.000	36.000	BENT 8
457.000	31.300	0.000	WSWE
466.200	26.700	23.700	BENT 9
489.000	19.100	0.000	TOE OF SLOPE
501.600	13.800	0.000	TOP OF SLOPE
511.990	9.900	9.500	FACE OF CAP
512.010	6.100	0.000	TOP OF CAP
513.900	6.100	0.000	TOP OF CAP
514.100	2.100	0.000	TOP OF ABUTMENT
515.000	2.100	0.000	TOP OF ABUTMENT

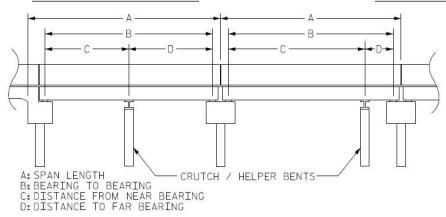
Bridge: 530020 County: LENOIR Date: 04/08/2022



Structure Data Worksheet

Span Profile

County: LENOIR Structure Number: 530020



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	50.000	49.000			
2	50.000	49.000			
3	50.000	49.000			
4	50.000	49.000			
5	50.000	49.000			
6	65.000	64.000			
7	50.000	49.000			
8	50.000	49.000			
9	50.000	49.000			
10	50.000	49.000			



WEST APPROACH LOOKING EAST



WEST APPROACH LOOKING WEST



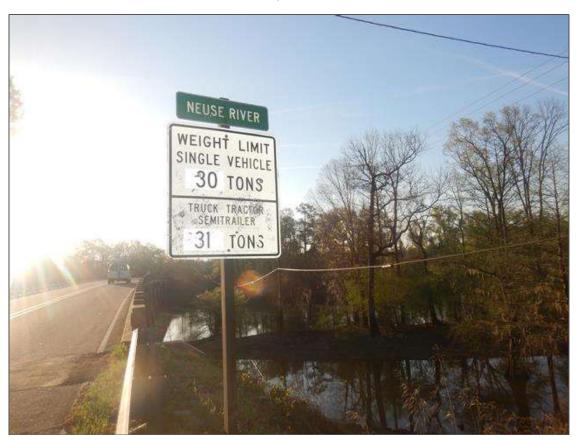
EAST APPROACH LOOKING EAST



EAST APPROACH LOOKING WEST



WEIGHT POSTING SIGN, EAST APPROACH SHOWN



WEIGHT POSTING SIGN, WEST APPROACH SHOWN



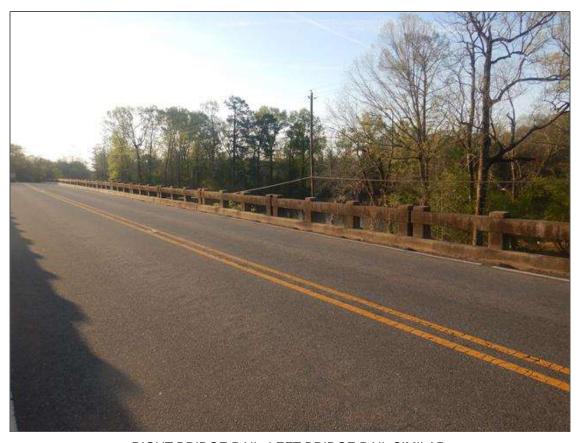
LOOKING SOUTH, UPSTREAM FROM BRIDGE



LOOKING NORTH, DOWNSTREAM FROM BRIDGE



TYPICAL WEARING SURFACE, SPAN 1 SHOWN



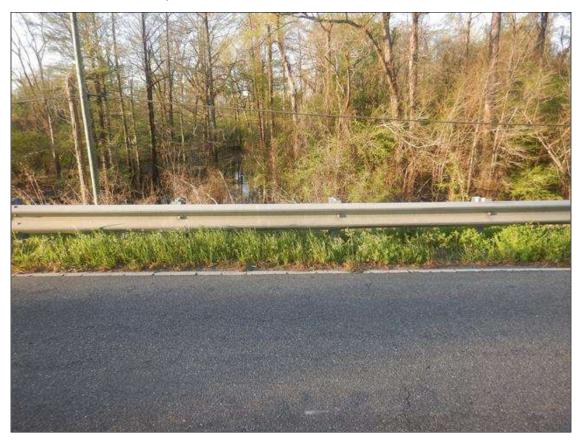
RIGHT BRIDGE RAIL, LEFT BRIDGE RAIL SIMILAR



TYPICAL GUARDRAIL AT BRIDGE RAIL (NOT CONNECTED), SOUTHWEST SHOWN



TYPICAL GUARDRAIL TRANSITION POST SPACING, SOUTHWEST SHOWN



TYPICAL GUARDRAIL MIDPOST SPACING, SOUTHWEST SHOWN



TYPICAL GUARDRAIL END TREATMENT, SOUTHWEST SHOWN



TYPICAL BEARING, SPAN 9 BEAM 2 NEAR BEARING SHOWN



TYPICAL BENT, WEST ELEVATION OF BENT 8 SHOWN



TYPICAL BEARING, SPAN 6 BEAM 4 FAR BEARING SHOWN



SPAN 6 SUPERSTRUCTURE



TYPICAL SUPERSTRUCTURE, SPAN 7 SHOWN



SNOOPER IN USE



TRAFFIC CONTROL



SOUTH PROFILE FROM SOUTHEAST CORNER



NORTH PROFILE FROM NORTHEAST CORNER



TYPICAL BRIDGE PLAQUE



END BENT 2 ELEVATION



END BENT 1 ELEVATION



SOUTH ELEVATION



NORTH ELEVATION

Structure: 530020 County: LENOIR Date: 04/08/2022 Structure Photos



WEST APPROACH NARROW BRIDGE SIGN, 0.07 MILES FROM END BENT 1



EAST APPROACH NARROW BRIDGE SIGN, 0.02 MILES FROM END BENT 2

Bridge: 530020 County LENOIR Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3120	Repair/Maintain Barriers	LF	12	PAR: MODERATE AREA OF IMPACT DAMAGE ON NORTHWEST GUARDRAIL STARTING APPROXIMATELY 30' FROM EAST APPROACH, POSTS 5, 6, AND 7 ARE LEANING AND POSTS 6 AND 7 ARE TWISTED (SEE PHOTOS)	
3120	Repair/Maintain Barriers	LF	1	PAR: NORTHEAST GUARDRAIL IS SITTING ON GROUND, 14" HIGH CREATING A POTENTIAL SAFETY HAZARD (SEE PHOTO)	
3306	Maintain Concrete Superstructure Components	SF	5	Span 10 Beam 3: PAR: 5' LONG X 18" WIDE AREA OF SPALLS WITH EXPOSED REINFORCEMENT AND UP TO 1/16" WIDE LONGITUDINAL CRACKS, STARTING 6' FROM END BENT 2 ON UNDERSIDE OF BEAM. SPALL SIZES VARY FROM 3" LONG X 6" WIDE X 1" DEEP TO 1'-6" LONG X 1' WIDE X 1 1/4" DEEP (SEE POTOS)	
3306	Maintain Concrete Superstructure Components	SF	2	Span 8 Beam 4: PAR: 2' LONG X 1' HIGH X 6 1/2" WIDE ON BOTTOM FACE X 1 1/2" DEEP SPALL WITH EXPOSED REBAR, LOCATED ON BOTTOM RIGHT CORNER OVER BENT 8 (SEE PHOTO)	
3306	Maintain Concrete Superstructure Components	SF	2	Span 5 Beam 3: PAR: 18" LONG X 7" HIGH X 1 1/2" DEEP SPALL WITH EXPOSED REINFORCING IN SOUTH FACE, STARTING AT BENT 4 (SEE PHOTO)	
3306	Maintain Concrete Superstructure Components	SF	4	Span 3 Beam 3: PAR: 3'-8" LONG X 18" WIDE X UP TO 5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM FLANGE AT BENT 3, EXTENDING 13" HIGH ON THE SOUTH FACE AND 4" HIGH ON THE NORTH FACE. FOUR LONGITUDINAL BARS AND 6 STIRRUPS EXPOSED WITH NO MEASURABLE SECTION LOSS IN LONG. BARS AND 60% AVG SECTION REMAINING IN STIRRUPS (SEE PHOTO)	
3306	Maintain Concrete Superstructure Components	SF	1	Span 2 Beam 4: PAR: 11" HIGH X 6" WIDE X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS (1/16") IN SOUTH FACE AT BENT 1 (SEE PHOTO)	

Bridge: 530020 County LENOIR Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	2	Span 6 Beam 5: PAR: 7" LONG X 2" WIDE AREA OF CORROSION WITH 3/8" SECTION LOSS ON NORTH SIDE OF BOTTOM FLANGE AT BENT 6. 5/8" REMAINING (SEE PHOTOS)	
3314	Maintain Steel Superstructure Components	LF	1	Span 6 Beam 5: PAR: UP TO 6" LONG AREA OF DISTORTION IN WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE SOUTH UP TO 1/2" (SEE PHOTO)	
3314	Maintain Steel Superstructure Components	LF	1	Span 6 Beam 1: PAR: 1' LONG X FULL WIDTH AREA OF CORROSION WITH 1/4" SECTION LOSS ON BOTTOM FLANGE AT BENT 5, 3/4" REMAINING	
3314	Maintain Steel Superstructure Components	LF	2	Span 6 Beam 1: PAR: UP TO 1'-6" LONG AREA OF DISTORTION IN THE WEB AT BOTH ENDS OF BEAM. WEB IS BOWED TO THE NORTH UP TO 1/2" (SEE PHOTO)	
3348	Maintain Concrete Substructure Components	LF	1	Bent 4 Pile 1: PAR: 10" HIGH X 6" WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER, MID HEIGHT (SEE PHOTO)	
3348	Maintain Concrete Substructure Components	LF	1	Bent 4 Pile 3: PAR: 9' HIGH X 8" WIDE X 1" DEEP SPALL AND DELAMINATION WITH EXPOSED REINFORCEMENT AND NO MEASURABLE SECTION LOSS AT NORTHWEST CORNER (SEE PHOTO)	
3348	Maintain Concrete Substructure Components	LF	1	Bent 4 Pile 5: PAR: 2' HIGH X 11" WIDE X UP TO 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST FACE BELOW CAP (SEE PHOTO)	
3348	Maintain Concrete Substructure Components	LF	2	Bent 8 Cap 1: PAR: 1'-7" HIGH X 1' WIDE X 1 1/4" DEEP SPALL WITH EXPOSED REINFORCING ON WEST FACE BELOW BEAM 4, NO MEASURABLE SECTION LOSS (SEE PHOTO)	
3348	Maintain Concrete Substructure Components	LF	1	Bent 8 Pile 5: PAR: 18" WIDE X 10" HIGH X 3" DEEP SPALL WITH EXPOSED REBAR WITH NO MEASURABLE SECTION LOSS ON SOUTH FACE, 3' ABOVE WATERLINE	

Bridge: 530020 County LENOIR Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3348	Maintain Concrete Substructure Components	LF	1	Bent 8 Pile 5: PAR: 7" HIGH X 1' WIDE X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT WITH MINOR SECTION LOSS IN SOUTH FACE, AT 12' FROM WATER LEVEL (SEE PHOTO)	
3350	Maint R C Wings and Walls	SF	25	End bent 1 Abutment: PAR: 25' LONG X UP TO 15" HIGH X UP TO FULL DEPTH VOID UNDER CAP WITH PILES 2-5 EXPOSED (SEE PHOTO)	
3350	Maint R C Wings and Walls	SF	35	End bent 2 Abutment: PAR: FULL LENGTH X UP TO 1'-8" HIGH X FULL DEPTH VOID UNDER CAP WITH ALL PILES EXPOSED. THERE IS A TIMBER BACKWALL IN PLACE BEHIND PILES 4-5. THERE IS NO RETAINING MEASURE IN PLACE TO HOLD BACK FILL FOR THE REMAINDER OF CAP LENGTH (SEE PHOTOS)	
3366	Drift and Debris Removal	HR	20	PAR: AREA OF FALLEN TREES AND DRIFT UPSTREAM OF BENTS 7 AND 8 CREATING A PARTIAL BLOCKAGE (SEE PHOTO)	

Bridge: 530020 County LENOIR

MMS Description

MMS Code

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

Quantity

3120	Rep	oair/Mainta	in Barriers		12	LF		
Location:								
			Bent/Span No.					
Priority Leve	el		Status	Status				
			Request Awaiting Assignment					
Submitted D	Date:	Submitte	d By:	Assisted By:				
04/09/2022		JOHN [DUBIEL					
Details								
				VEST GUARDRAIL STARTING APPI S AND POSTS 6 AND 7 ARE TWIST		LY 30'		
MMS Code	MN	MS Descrip	otion		Quantity			
3120	Rep	oair/Mainta	in Barriers		1	LF		
Location:								
			Bent/Span No.					
Priority Leve	el		Status					
			Request Awaiting Assignment					
Submitted D	Date:	Submitte	d By:	Assisted By:				
04/09/2022		JOHN E	DUBIEL					
Details								
PAR: NORT HAZARD (S			PRAIL IS SITTING ON GROUND, 1	4" HIGH CREATING A POTENTIAL	SAFETY			

Bridge: 530020 County LENOIR

MMS Code	MN	IS Descrip	otion		Quantity	
3306	Mair	ntain Cond	crete Superstructure Components		5	SF
Location:						
			Bent/Span No.			
Priority Level			Status			
			Request Awaiting Assignment			
Submitted D	ate:	Submitte	d By:	Assisted By:		
04/09/2022		JOHN D	UBIEL			
Details						
1/16" WIDE	LONG	ITUDINAL	CRACKS, STARTING 6' FROM E	LS WITH EXPOSED REINFORCEME END BENT 2 ON UNDERSIDE OF BI LONG X 1' WIDE X 1 1/4" DEEP (SE	EAM. SPALL	
MMS Code	MN	1S Descrip	otion		Quantity	
3306	Mai	ntain Conc	erata Superetructura Componente		2	SF.

MMS Code	MN	MMS Description					
3306	Mai	Maintain Concrete Superstructure Components				SF	
Location:							
			Bent/Span No.				
Priority Leve	el	_	Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
04/09/2022		JOHN E	DUBIEL				
Details							
	Span 8 Beam 4: PAR: 2' LONG X 1' HIGH X 6 1/2" WIDE ON BOTTOM FACE X 1 1/2" DEEP SPALL WITH EXPOSED REBAR, LOCATED ON BOTTOM RIGHT CORNER OVER BENT 8 (SEE PHOTO)						

Bridge: 530020 County LENOIR

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

MMS Code	MM	MMS Description				Quantity	
3306	Main	Maintain Concrete Superstructure Components				SF	
Location:	Location:						
	Bent/Span No.						
Priority Level			Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
04/09/2022		JOHN E	DUBIEL				
Details							
Details Span 5 Beam 3: PAR: 18" LONG X 7" HIGH X 1 1/2" DEEP SPALL WITH EXPOSED REINFORCING FACE, STARTING AT BENT 4 (SEE PHOTO)					IG IN SOUT	Н	

MMS Code	MN	/IS Descrip	otion		Quantity		
3306	Mai	ntain Cond	crete Superstructure Components		4	SF	
Location:							
			Bent/Span No.				
Priority Level			Status				
			Request Awaiting Assignment	ting Assignment			
Submitted Da	ate:	Submitte	d By:	Assisted By:			
04/09/2022		JOHN D	DUBIEL				
Details	Details						
BOTTOM FL	Span 3 Beam 3: PAR: 3'-8" LONG X 18" WIDE X UP TO 5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM FLANGE AT BENT 3, EXTENDING 13" HIGH ON THE SOUTH FACE AND 4" HIGH ON THE NORTH FACE. FOUR LONGITUDINAL BARS AND 6 STIRRUPS EXPOSED WITH NO MEASURABLE SECTION LOSS IN						

LONG. BARS AND 60% AVG SECTION REMAINING IN STIRRUPS (SEE PHOTO)

Bridge: 530020 County LENOIR

MMS Code	MN	1S Descrip	otion		Quantity		
3306	Maiı	ntain Cond		1	SF		
Location:	Location:						
			Bent/Span No.				
Priority Level			Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
04/09/2022		JOHN D	UBIEL				
Details							
			IGH X 6" WIDE X 1" DEEP SPALL SOUTH FACE AT BENT 1 (SEE PH	WITH EXPOSED REINFORCEMEN HOTO)	IT WITH MIN	IOR	
MMO 0 - 1 -	N 48	10 D	e		0		

MMS Code	MN	MMS Description Quantity					
3314	Mai	ntain Stee	Superstructure Components		2	LF	
Location:							
			Bent/Span No.				
Priority Level			Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
04/09/2022		JOHN D	DUBIEL				
Details							
Span 6 Beam 5: PAR: 7" LONG X 2" WIDE AREA OF CORROSION WITH 3/8" SECTION LOSS ON NORTH SIDE OF BOTTOM FLANGE AT BENT 6. 5/8" REMAINING (SEE PHOTOS)							

Bridge: 530020 County LENOIR

MMS Code	MN	//S Descrip	otion		Quantity		
3314	Maii	ntain Steel		1	LF		
Location:							
			Bent/Span No.				
Priority Level			Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
04/09/2022		JOHN D	UBIEL				
Details							
			O 6" LONG AREA OF DISTORTIO P TO 1/2" (SEE PHOTO)	N IN WEB AT BOTH ENDS OF BEA	M. WEB IS		
MMS Code	M	1S Descrin	ation		Quantity		

MMS Code	MN	MMS Description					
3314	Maintain Steel Superstructure Components				1	LF	
Location:							
			Bent/Span No.				
Priority Level			Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
04/09/2022		JOHN E	DUBIEL				
Details							
Span 6 Beam 1: PAR: 1' LONG X FULL WIDTH AREA OF CORROSION WITH 1/4" SECTION LOSS ON BOTTOM FLANGE AT BENT 5, 3/4" REMAINING							

Bridge: 530020 County LENOIR

MMS Code	MN	//S Descrip	otion		Quantity	
3314	Mai	ntain Stee	Superstructure Components		2	LF
Location:						
			Bent/Span No.			
Priority Leve	Priority Level Status					
			Request Awaiting Assignment			
Submitted D	ubmitted Date: Submitted By: Assisted By:					
04/09/2022		JOHN D	UBIEL			
Details						
			O 1'-6" LONG AREA OF DISTORT P TO 1/2" (SEE PHOTO)	ION IN THE WEB AT BOTH ENDS (OF BEAM. V	VEB IS
MMS Code	MN	//S Descrip	otion		Quantity	
3348	Mai	ntain Cond	crete Substructure Components		1	LF
Location						

MMS Code	MN	MMS Description				
3348	Maintain Concrete Substructure Components					LF
Location:	Location:					
			Bent/Span No.			
Priority Level			Status			
			Request Awaiting Assignment			
Submitted D	ate:	Submitte	d By: Assisted By:			
04/09/2022		JOHN E	UBIEL			
Details						
			H X 6" WIDE X 2" DEEP SPALL W OSS AT NORTHWEST CORNER,	ITH EXPOSED REINFORCEMENT (MID HEIGHT (SEE PHOTO)	WITH NO	

Bridge: 530020 County LENOIR

MMS Code	MN	//S Descrip	otion		Quantity		
3348	Maiı	ntain Cond	crete Substructure Components		1	LF	
Location:							
			Bent/Span No.				
Priority Level Status							
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
04/09/2022		JOHN D	UBIEL				
Details							
				D DELAMINATION WITH EXPOSED AT NORTHWEST CORNER (SEE P			

MMS Code	MN	MMS Description				
3348	Maintain Concrete Substructure Components				1	LF
Location:	Location:					
			Bent/Span No.			
Priority Level			Status			
Request Awaiting Assignment						
Submitted Da	ate:	Submitte	d By: Assisted By:			
04/09/2022		JOHN E	DUBIEL			
Details						
			X 11" WIDE X UP TO 2" DEEP SF V CAP (SEE PHOTO)	PALL WITH EXPOSED REINFORCE	MENT IN	

Bridge: 530020 County LENOIR

MMS Code	M	MMS Description				
3348	Mai	ntain Cond		2	LF	
Location:						
			Bent/Span No.			
Priority Leve	el		Status			
	Request Awaiting Assignment					
Submitted D	mitted Date: Submitted By: Assisted By:					
04/09/2022	04/09/2022 JOHN DUBIEL					
Details						
			GH X 1' WIDE X 1 1/4" DEEP SPA SURABLE SECTION LOSS (SEE F	LL WITH EXPOSED REINFORCING HOTO)	ON WEST	FACE
MMS Code	M	MS Descrip	otion		Quantity	
3348	Mai	ntain Cond	crete Substructure Components		1	LF
Location:						
			Bent/Span No.			

MIMS Code	IVIIN	MINIS Description					
3348	Mai	Maintain Concrete Substructure Components					
Location:	Location:						
	Bent/Span No.						
Priority Level			Status				
			Request Awaiting Assignment				
Submitted D	ate:	Submitte	d By:	Assisted By:			
04/09/2022		JOHN E	DUBIEL				
Details							
			E X 10" HIGH X 3" DEEP SPALL V H FACE, 3' ABOVE WATERLINE	VITH EXPOSED REBAR WITH NO I	MEASURAB	;LE	

Bridge: 530020 County LENOIR

MMS Code	MN	/IS Descrip	Quantity			
3348	Mai	ntain Cond		1	LF	
Location:						
			Bent/Span No.			
Priority Leve	Priority Level Status					
	Request Awaiting Assignment					
Submitted D	itted Date: Submitted By: Assisted By:					
04/09/2022	JOHN DUBIEL					
Details						
			X 1' WIDE X 2" DEEP SPALL WIT FACE, AT 12' FROM WATER LEV	TH EXPOSED REINFORCEMENT W /EL (SEE PHOTO)	ITH MINOR	
MMS Code	MN	/IS Descrip	otion		Quantity	
3350	Mai	nt R C Wir	ngs and Walls		25	SF
Location:						

MMS Code	MN	MMS Description				
3350	Mai	nt R C Wir		25	SF	
Location:	Location:					
			Bent/Span No.			
Priority Level			Status			
			Request Awaiting Assignment			
Submitted D	Date:	Submitte	d By:	Assisted By:		
04/09/2022		JOHN D	DUBIEL			
Details						
End bent 1 / 2-5 EXPOS				P TO FULL DEPTH VOID UNDER C	AP WITH P	ILES

Bridge: 530020 County LENOIR

MMS Description

Maint R C Wings and Walls

MMS Code

3350

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

Quantity

35

SF

Location:						
			Bent/Span No.			
Priority Leve	el		Status			
			Request Awaiting Assignment			
Submitted D	ate:	Submitte	d By:	Assisted By:		
04/09/2022		JOHN E	DUBIEL			
Details						
PILES EXP	OSED	. THERE I	S A TIMBER BACKWALL IN PLAC	SH X FULL DEPTH VOID UNDER CA CE BEHIND PILES 4-5. THERE IS N INDER OF CAP LENGTH (SEE PHO	O RETAIN	
MMS Code	MN	ИS Descrip	otion		Quantity	y
3366	Drif	t and Debr	ris Removal		20	HR
Location:						
			Bent/Span No.			
Priority Leve	el		Status			
			Request Awaiting Assignment			
Submitted D	ate:	Submitte	d By:	Assisted By:		
04/09/2022		JOHN [DUBIEL			
Details						
PAR: AREA (SEE PHOT		ALLEN TR	REES AND DRIFT UPSTREAM OF	BENTS 7 AND 8 CREATING A PAR	RTIAL BLO	CKAGE



Roadway	22ft Wide	2 Paved Lanes	Looking East
Left Shoulder	1.833ft Wide		1.833ft Unpaved
Right Shoulder	1.833ft Wide		1.833ft Unpaved
Left Guardrail	1.833ft from road		-
Right Guardrail	1.833ft from road		

MEASUREMENTS TAKEN 10 FEET FROM END BENT 1 DECK JOINT.

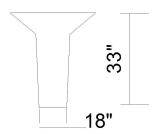
MEASUREMENTS MODIFIED BY JSD ON 4/08/2022

Title	Title			Description		
530020 WEST APPROAC	H ROADWAY	LOOKI	NG EAST.			
Bridge No: 530020	Drawn By: P.D. IPOCK		Date: 4/6/2010	File Name: \$0050001872		

Deck Width/Out to Out	27.25ft	Betwe	Between Rails			
Clear Roadway	24ft	Weari	Wearing Surface			
Median Width		Median Height				
Curb Height		Left	0.583ft	Right	0.583ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Med	ian)	Left		Right		
Guardrail Width		Left	1.0ft	Right	1.0ft	
Top of Rail to Deck/Wearing	Left	2.69ft	Right	2.69ft		
Bridge Rail		Left	Type 14	Right	Type 14	

Measurements for Span #	1		
Deck Thickness	0.562'	Left Overhang	3.625'
Top of Rail to Bottom of Beam	6.375'	Right Overhang	3.625'

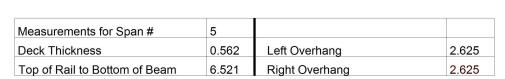
Beam Number	Beam Type	Spacing	Comments
1	RC Deck Girder	6.667ft	
2	RC Deck Girder	6.667ft	
3	RC Deck Girder	6.667ft	
4	RC Deck Girder	ft	



MEASUREMENTS VERIFIED BY JSD 4/8/22

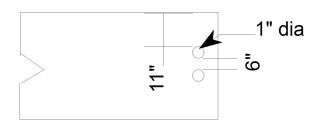
Title		Description						
530020 SUPERSTRUCTU	JRE/ SPAN 1	SPANS 1 THRU 5 AND 7 THRU 10.						
Bridge No: 530020	Drawn By: P.D. IPOCK	Date: 4/6/2010	File Name: \$0050001873					

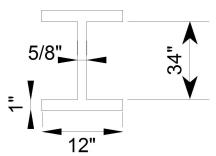




Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	5.5ft	Steel W36X150 Beam
2	Steel I Beam	5.5ft	Steel W36X150 Beam
3	Steel I Beam	5.5ft	Steel W36X150 Beam
4	Steel I Beam	5.5ft	Steel W36X150 Beam
5	Steel I Beam	ft	Steel W36X150 Beam

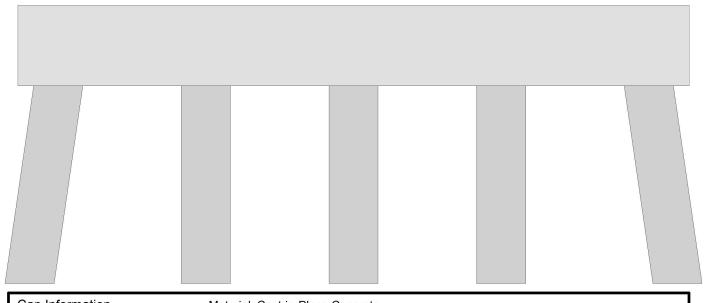
BEAM 1 AND 5, AT BENT 5: 1 IN DIA DRILLED HOLE AT 6 IN SPACING, STARTING AT 3/4 IN FROM BEAM END. LOCATED 11 IN ABOVE TOP OF BOTTOM FLANGE.





MEASUREMENTS VERIFIED BY JSD 4/8/22

Title		Description						
530020 SUPERSTRUCTU	RE/ SPAN 6	SPANS 6.						
Bridge No: 530020	Drawn By: P.D. IPOCK		Date: 4/6/2010	File Name: \$0050001874				



Cap Information Material Cast-in-Place Concrete													
Lengt	:h	Width	Height	Left Over	hang	Right Overh	nang	Left Beam to End of Cap.		Right Beam to End of		d of Cap.	
25.000	ft.	3.250 ft.	3.000 ft.	1.833	1.833 ft. 1.833 ft. 1.750						1	.750 ft.	
Subca	p In	formation		Material									
Length Width Height		Left Over	hang	Right Overh	nang	Left Pi	le to Splid	ce.					
Sill Info	Sill Information Material												
Length Width Heigh		Height											
Pile#	Ma	aterial	Spacing	Width/Dia.	Height	Length	Orie	entation	Driven?	Replacem	nent?	Removed?	Collar?
1	Co	oncrete	5.5 ft.	1.667 ft.			Batt	ered	Yes	No		No	No
2	Co	oncrete	5.25 ft.	1.667 ft.			Verl	tical	Yes	No		No	No
3	Co	oncrete	5.25 ft.	1.667 ft.			Verl	tical	Yes	No		No	No
4	Co	oncrete	5.334 ft.	1.667 ft.			Ver	tical	Yes	No		No	No
5	Co	oncrete		1.667 ft.			Batt	ered	Yes	No		No	No

MEASUREMENTS VERIFIED BY JSD 4/8/22

Bent/Abutment #: 1 Similar Bents: 1,2,3,4,7,8,9

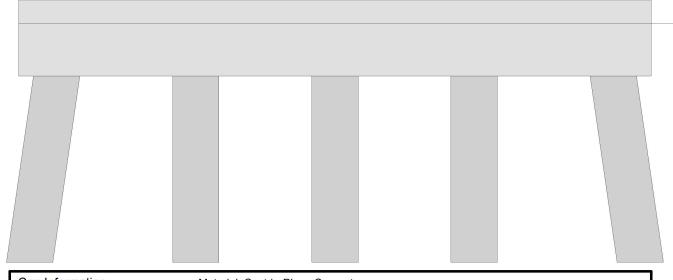
Title 530020 SUBSTRUCTURE/ BT.1

Description

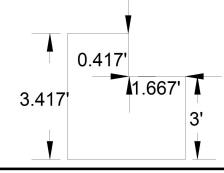
SIMILAR BENTS 1,2,3,4,7,8,9

Bridge No: 530020 Drawn By: PD IPOCK Date: 4/6/2010 File Name: \$0050002987





Cap Information Material Cast-in-Place Concrete													
Lengt	h	Width	Height	Left Over	hang	Right Overhang		Left Beam to End of Cap.		nd of Cap.	Right Beam to End of Ca		d of Cap.
25.000	ft.	3.000 ft.	3.000 ft.	2.00 f	t.	2.00 ft.		1.5	500 ft.		1	.500 ft.	
Subcap Information Material													
Length Width Height		Left Over	hang	Right Overl	nang	Left Pi	le to Splid	ce.					
Sill Information Material													
Length Width Height													
Pile#	Ma	aterial	Spacing	Width/Dia.	Height	Length	Orie	entation	Driven?	Replacem	ent?	Removed?	Collar?
1	Со	ncrete	5.167 ft.	1.667 ft.			Batt	ered	Yes	No		No	No
2	Со	ncrete	5.25 ft.	1.667 ft.			Ver	tical	Yes	No		No	No
3	Со	ncrete	5.25 ft.	1.667 ft.			Ver	tical	Yes	No		No	No
4	Co	ncrete	5.333 ft.	1.667 ft.			Ver	tical	Yes	No		No	No
		ncrete		1.667 ft.			Batt		Yes	No		No	No



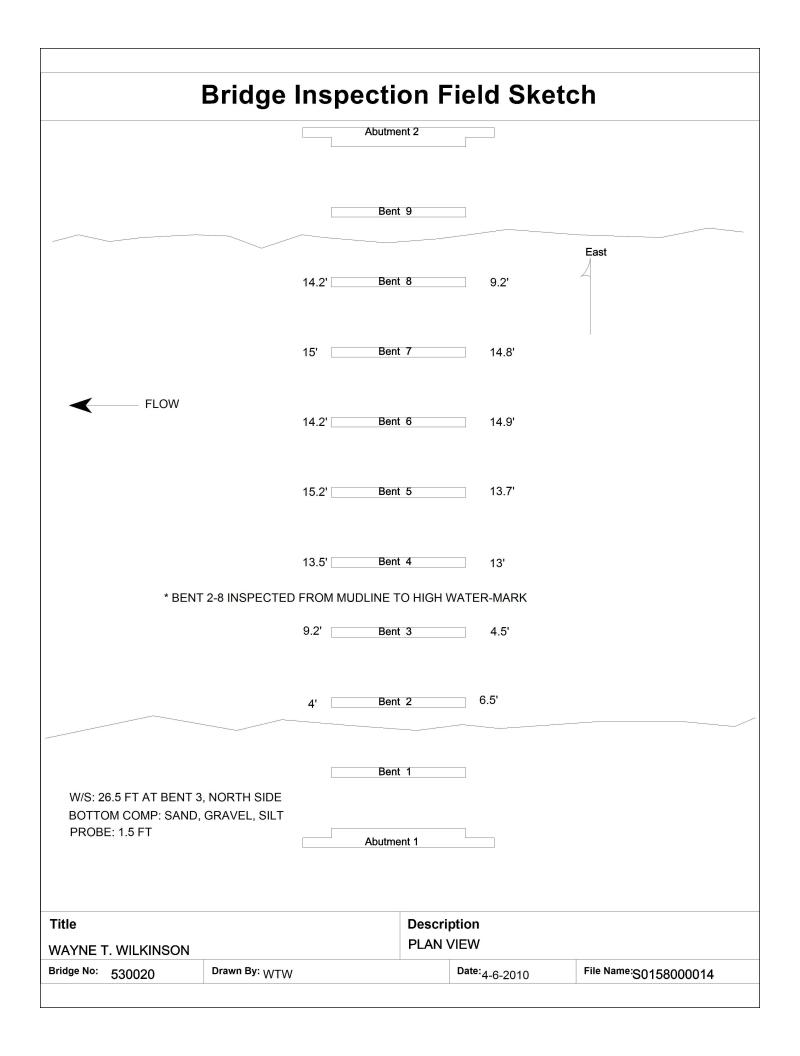
MEASUREMENTS VERIFIED BY JSD 4/8/22

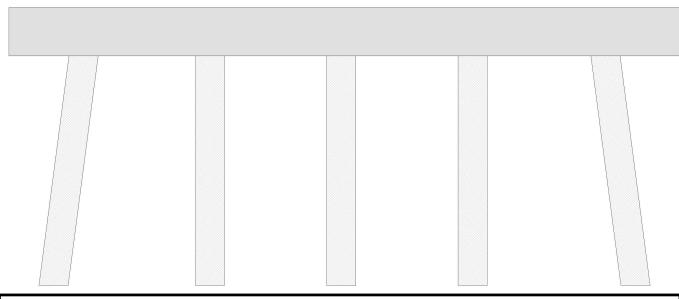
Bent/Abutment #: 5 Similar Bents: 6

Title Description

530020 SUBSTRUCTURE/ BT.5 SIMILAR BENTS 5 & 6

Bridge No: 530020 Drawn By: PD IPOCK Date: 4/6/2010 File Name: \$0050002988





Cap Information Material Cast-in-Place Concrete												
Length Width Height Left Overhang Right Overh				hang Left Beam to End of Cap. Right Beam to End of					nd of Cap.			
34.500					1.7	'50 ft.		1	.750 ft.			
Subcap Information Material												
Lengt		Height	Left Over	rhang Right Overhang Left Pile to Splice.								
Sill Information Material												
Lengt	th Width	Height										
Pile#	Material	Spacing	Width/Dia.	Height	Length	Orie	ntation	Driven?	Replaceme	ent?	Removed?	Collar?
1	Concrete	6.5 ft.	1.5 ft.			Batte	ered	Yes	No		No	No
2	Concrete	6.75 ft.	1.5 ft.			Vert	ical	Yes	No		No	No
3	Concrete	6.75 ft.	1.5 ft.			Vert	ical	Yes	No		No	No
4	Concrete	6.833 ft.	1.5 ft.			Vert	ical	Yes	No		No	No
5	Concrete		1.5 ft.			Batte	ered	Yes	No		No	No
	.butment #:								ISD 4/8/22			

Title Description
END BENTS END BENTS 1 AND 2

Bridge No: 530020 Drawn By: MED Date: 4/3/2018 File Name: \$0334000346