



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 STRUCTURE MANAGEMENT UNIT

ATTENTION: **PRIORITY ACTION REQUEST, PARTIAL INSPECTION, SUPPLEMENTAL INSPECTION NEEDED FOR SUPERSTRUCTURE AND FULL SUBSTRUCTURE, "DANGER" SIGNS ON ALL BENT COLUMNS**

Structure Safety Report

Routine Element Inspection - Contract

STRUCTURE NUMBER: 130367 SAP STRUCTURE NO: 0140367 FHWA STRUCTURE NO: 00000000270367

DIVISION: 11 COUNTY: CALDWELL INSPECTION DATE: 04/28/2022 FREQUENCY: 24 MONTHS

FACILITY CARRIED: US321SBL MILE POST: _____

LOCATION: .15 MI.S.JCT.SR1760

FEATURE INTERSECTED: LAKE HICKORY

LATITUDE: 35° 45' 27.5" LONGITUDE: 81° 22' 37.55"

SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE: E.BTS:RC CAPS/H-PILES;INT.BTS:RC HAMMERHEAD

SPANS: 10 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

FRACTURE CRITICAL TEMPORARY SHORING SCOUR CRITICAL SCOUR PLAN OF ACTION

GRADES: (Inspector/NBI Coding) DECK 4 / 4 SUPERSTRUCTURE 4 / 4 SUBSTRUCTURE 5 / 5 CULVERT N / N

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: NONE



Sign noticed issued for	Number Required
<u>NO</u> WEIGHT LIMIT	<u>0</u>
<u>NO</u> DELINEATORS	<u>0</u>
<u>NO</u> NARROW BRIDGE	<u>0</u>
<u>NO</u> ONE LANE BRIDGE	<u>0</u>
<u>NO</u> LOW CLEARANCE	<u>0</u>

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS _____

SOUTH APPROACH

INSPECTED BY JACOB W. DOBBINS	SIGNATURE 	ASSISTED BY LAB
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NATIONAL BRIDGE INVENTROY ----- STRUCTURE INVENTORY AND APPRAISAL

06/13/2022

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE 130367
 (8) STRUCTURE NUMBER (FEDERAL) 0270367
 (5) INVENTORY ROUTE (ON/UNDER) ON 121003210
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 11
 (3) COUNTY CODE (FEDERAL) 27 (4) PLACE CODE 31060
 (6) FEATURE INTERSECTED LAKE HICKORY
 (7) FACILITY CARRIED US321SBL
 (9) LOCATION .15 MI.S.JCT.SR1760
 (11) MILEPOINT 0.0
 (12) BASE HIGHWAY NETWORK 1
 (13) LRS INVENTORY ROUTE & SUBROUTE 20321
 (16) LATITUDE 35° 45' 27.5" (17) LONGITUDE 81° 22' 37.55"
 (98) BORDER BRIDGE STATE CODE PERCENT SHARED
 (99) BORDER BRIDGE STRUCTURE NUMBER

SUFFICIENCY RATING 36.94
 STATUS = Structurally Deficient

CLASSIFICATION **CODE**

(112) NBIS BRIDGE SYSTEM YES
 (104) HIGHWAY SYSTEM Inventory Route is on NHS 1
 (26) FUNCTIONAL CLASS Urban Other Principal Arterial 14
 (100) STRAHNET HIGHWAY Not a STRAHNET Route 0
 (101) PARALLEL STRUCTURE The left structure of parallel bridges L
 (102) DIRECTION OF TRAFFIC 1-way traffic 1
 (103) TEMPORARY STRUCTURE
 (110) DESIGNATED NATIONAL NETWORK - on national network for trucks 1
 (20) TOLL On Free Road 3
 (21) MAINT - 01
 (22) OWNER - 01
 (37) HISTORICAL SIGNIFICANCE - 5

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN Steel
 TYPE Stringer/Multi-beam or girder CODE 302
 (44) STRUCTURE TYPE APPROACH
 TYPE CODE
 (45) NUMBER OF SPANS IN MAIN UNIT 10
 (46) NUMBER OF SPANS IN APPROACH 0
 (107) DECK STRUCTURE TYPE CODE 1
 (108) WEARING SURFACE/PROTECTIVE SYSTEM
 (A) TYPE OF WEARING SURFACE CODE 6
 (B) TYPE OF MEMBRANE CODE 0
 (C) TYPE OF DECK PROTECTION CODE 0

CONDITION **CODE**

(58) DECK 4
 (59) SUPERSTRUCTURE 4
 (60) SUBSTRUCTURE 5
 (61) CHANNEL & CHANNEL PROTECTION 7
 (62) CULVERTS N

LOAD RATING AND POSTING **CODE**

(31) DESIGN LOAD H 20 + Mod 6
 (63) OPERATING RATING METHOD - Load Factor 1
 (64) OPERATING RATING - HS-24 44
 (65) INVENTORY RATING METHOD - 1
 (66) INVENTORY RATING HS-14 26
 (70) BRIDGE POSTING Posting Required 4
 (41) STRUCTURE OPEN, POSTED, OR CLOSED DESCRIPTION Open, no restriction A

AGE AND SERVICE

(27) YEAR BUILT 1962
 (106) YEAR RECONSTRUCTED 0
 (42) TYPE OF SERVICE ON - Highway
 OFF - Waterway CODE 15
 (28) LANES ON STRUCTURE 2 LANES UNDER STRUCTURE 0
 (29) AVERAGE DAILY TRAFFIC 22500
 (30) YEAR OF ADT 2019 (109) TRUCK ADT PCT 12
 (19) BYPASS OR DETOUR LENGTH 1.0

APPRAISAL **CODE**

(67) STRUCTURAL EVALUATION 4
 (68) DECK GEOMETRY 3
 (69) UNDERCLEARANCES, VERT & HORIZ N
 (71) WATERWAY ADEQUACY 7
 (72) APPROACH ROADWAY ALIGNMENT 8
 (36) TRAFFIC SAFETY FEATURES 0111
 (113) SCOUR CRITICAL BRIDGES 8

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 81.0
 (49) STRUCTURE LENGTH 825.0
 (50) CURB OR SIDEWALK: LEFT 1.6 RIGHT 1.6
 (51) BRIDGE ROADWAY WIDTH, CURB TO CURB 28.0
 (52) DECK WIDTH OUT TO OUT 33.4
 (32) APPROACH ROADWAY WITH (W/ SHOULDERS) 26.0
 (33) BRIDGE MEDIAN Open median CODE 1
 (34) SKEW 0 (35) STRUCTURE FLARED 0
 (10) INVENTORY ROUTE MIN VERT CLEAR 999.9
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 28.0
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9
 (54) MIN VERT UNDERCLEAR: REFERENCE 0.0
 (55) MIN LAT UNDERCLEARANCE RT: REFERENCE N 0.0
 (56) MIN LAT UNDERCLEARANCE LT: 0.0

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK CODE
 (76) LENGTH OF STRUCTURE IMPROVEMENT
 (94) BRIDGE IMPROVEMENT COST
 (95) ROADWAY IMPROVEMENT COST
 (96) TOTAL PROJECT COST
 (97) YEAR OF IMPROVEMENT COST ESTIMATE
 (114) FUTURE ADT 45,000 YEAR OF FUTURE ADT 2040

NAVIGATION DATA

(38) NAVIGATION CONTROL - CODE 0
 (111) PIER PROTECTION CODE
 (39) NAVIGATION VERTICAL CLEARANCE 0.0
 (116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR 0.0
 (40) NAVIGATION HORIZONTAL CLEARANCE 0.0

INSPECTION

(90) INSPECTION DATE 04/22 (91) FREQUENCY 24
 (92) CRITICAL FEATURE INSPECTION (93) CFI DATE
 A) FRACTURE CRIT DETAIL A)
 B) UNDERWATER INSP 60 B) 09/21
 C) OTHER SPECIAL INSP C)

SCOUR

Superstructure Build Details

Span Number 1

Span Length 82.5000

Skew 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
4	Fixed Bearing	Fixed Bearing	4 Each	Legacy Red Lead Primer Systems with Various Topcoats	8
1	Asphalt Wearing Surface	Wearing Surface	2310 Square Feet		
4	Plate Girder	Steel Open Girder/Beam	328 Feet	Legacy Red Lead Primer Systems with Various Topcoats	3860
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	164 Feet		
4	Movable Bearing	Movable Bearing	4 Each	Legacy Red Lead Primer Systems with Various Topcoats	8

Span Number 2

Span Length 82.5000

Skew 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
8	Movable Bearing	Movable Bearing	8 Each	Legacy Red Lead Primer Systems with Various Topcoats	16
4	Fixed Bearing	Fixed Bearing	4 Each	Legacy Red Lead Primer Systems with Various Topcoats	8
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455 Square Feet		
4	Plate Girder	Steel Open Girder/Beam	1320 Feet	Legacy Red Lead Primer Systems with Various Topcoats	13680
2	Concrete Railing	Reinforced Concrete Bridge Railing	164 Feet		
1	Asphalt Wearing Surface	Wearing Surface	2310 Square Feet		
1	Compression Seal	Compression Joint Seal	30 Feet		
8	Rocker Bearing	Movable Bearing	8 Each	Legacy Red Lead Primer Systems with Various Topcoats	40

Span Number 3

Span Length 82.5000

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	164 Feet		
1	Asphalt Wearing Surface	Wearing Surface	2310 Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455 Square Feet		

Span Number 4

Span Length 82.5000

Skew 90.0000

Superstructure Build Details

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	164 Feet		
1	Asphalt Wearing Surface	Wearing Surface	2310 Square Feet		

Span Number 5 **Span Length** 82.5000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	2310 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	164 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455 Square Feet		

Span Number 6 **Span Length** 82.5000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
8	Movable Bearing	Movable Bearing	8 Each	Legacy Red Lead Primer Systems with Various Topcoats	16
1	Compression Seal	Compression Joint Seal	30 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455 Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	2310 Square Feet		
4	Plate Girder	Steel Open Girder/Beam	1320 Feet	Legacy Red Lead Primer Systems with Various Topcoats	13680
2	Concrete Railing	Reinforced Concrete Bridge Railing	164 Feet		
4	Fixed Bearing	Fixed Bearing	4 Each	Legacy Red Lead Primer Systems with Various Topcoats	8
8	Rocker Bearing	Movable Bearing	8 Each	Legacy Red Lead Primer Systems with Various Topcoats	40

Span Number 7 **Span Length** 82.5000 **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	164 Feet		
1	Asphalt Wearing Surface	Wearing Surface	2310 Square Feet		

Superstructure Build Details

1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455 Square Feet	
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Span Number 8 **Span Length** 82.5000 **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	164 Feet		
1	Asphalt Wearing Surface	Wearing Surface	2310 Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455 Square Feet		

Span Number 9 **Span Length** 82.5000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	2310 Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	164 Feet		

Span Number 10 **Span Length** 82.5000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Compression Seal	Compression Joint Seal	30 Feet		
4	Plate Girder	Steel Open Girder/Beam	328 Feet	Legacy Red Lead Primer Systems with Various Topcoats	3860
4	Movable Bearing	Movable Bearing	4 Each	Legacy Red Lead Primer Systems with Various Topcoats	8
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2455 Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	2310 Square Feet		
4	Fixed Bearing	Fixed Bearing	4 Each	Legacy Red Lead Primer Systems with Various Topcoats	8
2	Concrete Railing	Reinforced Concrete Bridge Railing	164 Feet		

Structure Element Scoring

Structure Number: 130367

Inspection Date 4/28/2022

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	24550	22820	1728	2	0
107	0	Steel Open Girder/Beam	Beam	3296	0	3152	33	111
515	107	Steel Protective Coating	Beam	35080	28078	6210	731	61
205	0	Reinforced Concrete Column	Piles and Columns	9	0	7	2	0
215	0	Reinforced Concrete Abutment	Abutments	90	69	21	0	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	144	144	0	0	0
225	0	Steel Pile	Piles and Columns	20	20	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	324	195	81	48	0
302	0	Compression Joint Seal	Expansion Joints	90	0	36	23	31
311	0	Movable Bearing	Bearing Device	40	1	16	22	1
515	311	Steel Protective Coating	Bearing Device	128	36	15	77	0
313	0	Fixed Bearing	Bearing Device	16	6	6	4	0
515	313	Steel Protective Coating	Bearing Device	32	13	11	8	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	1640	1122	511	7	0
510	0	Wearing Surface	Wearing Surfaces	23100	10632	4006	8453	9

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **130367**

Inspection Date: **04/28/2022**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	965 Square Feet
3326	Reinforced Concrete Deck	Exposed Rebar	3 Square Feet
3326	Reinforced Concrete Deck	Delamination/Spall	4 Square Feet
3314	Steel Open Girder/Beam	Distortion	2 Feet
3314	Steel Open Girder/Beam	Damage	17 Feet
3314	Steel Open Girder/Beam	Corrosion	128 Feet
3348	Reinforced Concrete Column	Cracking (RC and Other)	5 Each
3348	Reinforced Concrete Column	Exposed Rebar	1 Each
3348	Reinforced Concrete Column	Delamination/Spall	2 Each
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	34 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	5 Feet
3348	Reinforced Concrete Pier Cap	Damage	2 Feet
3348	Reinforced Concrete Pier Cap	Exposed Rebar	23 Feet
3348	Reinforced Concrete Pier Cap	Efflorescence/Rust Staining	1 Feet
3310	Compression Joint Seal	Seal Adhesion	31 Feet
3310	Compression Joint Seal	Metal Deterioration or Damage	3 Feet
3310	Compression Joint Seal	Adjacent Deck or Header	7 Feet
3334	Movable Bearing	Alignment	15 Each
3334	Movable Bearing	Movement	1 Each
3334	Movable Bearing	Corrosion	22 Each
3334	Movable Bearing	Connection	1 Each
3334	Fixed Bearing	Corrosion	4 Each
3318	Reinforced Concrete Bridge Railing	Cracking (RC and Other)	2 Feet
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	25 Feet
3318	Reinforced Concrete Bridge Railing	Exposed Rebar	13 Feet
2816	Wearing Surface	Crack (Wearing Surface)	8356 Square Feet
2816	Wearing Surface	Delamination/Spall (Wearing Surfaces)	2 Square Feet
2816	Wearing Surface	Patched Area/Pothole (Wearing Surface)	116 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	7113 Square Feet

Element Structure Maintenance Quantities

Structure Number: 130367

Inspection Date 04/28/2022

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	0	90	0	0	21	69
Beam	3314	Maintenance Steel Superstructure Components	147	3296	111	33	3152	0
Beam	3342	Clean and Paint Steel	7002	35080	61	731	6210	28078
Bearing Device	3334	Bridge Bearing	43	56	1	26	22	7
Bearing Device	3342	Clean and Paint Steel	111	160	0	85	26	49
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	40	1640	0	7	511	1122
Caps	3348	Maintenance of Concrete Substructure	65	324	0	48	81	195
Deck	3326	Maintenance of Concrete Deck	972	24550	0	2	1728	22820
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	41	90	31	23	36	0
Footing	3348	Maintenance of Concrete Substructure	0	144	0	0	0	144
Piles and Columns	3348	Maintenance of Concrete Substructure	8	9	0	2	7	0
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	20	0	0	0	20
Wearing Surfaces	2816	Asphalt Surface Repair	8474	23100	9	8453	4006	10632

Priority Actions Request

Structure Number 130367

Span1

2816 **Wearing Surface** Asphalt Wearing Surface

Priority Level	Defect Type	Quantity	Defect Description
2	Patched Area/Pothole (Wearing Surface)	1	Span 1 Wearing Surface: PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM END BENT 1 AND 4' FROM WHITE LINE

Span2

3310 **Expansion Joint** Compression Seal

Priority Level	Defect Type	Quantity	Defect Description
3	Metal Deterioration or Missing Sealant	3	Span 2 Expansion Joint: [PAR] in right travel lane near dashed line, seal completely missing and adjacent metal angle distorted and sharp

Span6

3310 **Expansion Joint** Compression Seal

Priority Level	Defect Type	Quantity	Defect Description
2	Seal Adhesion	16	Span 6 Expansion Joint: PAR: (2) up to 8' missing joint material IN BOTH LANES

2816 **Wearing Surface** Asphalt Wearing Surface

Priority Level	Defect Type	Quantity	Defect Description
2	Patched Area/Pothole (Wearing Surface)	1	Span 6 Wearing Surface: PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM BENT 5 AND 2' FROM CENTERLINE

Span7

2816 **Wearing Surface** Asphalt Wearing Surface

Priority Level	Defect Type	Quantity	Defect Description
2	Patched Area/Pothole (Wearing Surface)	1	Span 7 Wearing Surface: PAR: 12" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 10' FROM BENT 6 AND 1' FROM WHITE LINE
2	Delamination/Spall (Wearing Surface)	1	Span 7 Wearing Surface: [PAR] in LEFT travel lane, spall [9in x up to 9in x 2in deep] exposing the top of deck AT 6' FROM BENT 6 AND 2' FROM WHITE LINE

Span8

? Priority Action Request (PAR)
 1 Assigned Routine Maintenance
 2 Assigned Priority Maintenance
 3 Assigned Critical Find

Priority Actions Request

Structure Number 130367

2816 **Wearing Surface** Asphalt Wearing Surface

Priority Level	Defect Type	Quantity	Defect Description
2	Patched Area/Pothole	2	Span 8 Wearing Surface: [PAR] in both travel lanes, two [2] potholes in right travel lane near midspan: [12in diameter x up to 2in deep]; in left travel lane 20ft from bent 8 [1.5ft x 1ft x 2in deep] both exposing the top of deck
2	Patched Area/Pothole	3	Span 8 Wearing Surface: PAR: 18" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED DECK IN LEFT LANE AT 25' FROM BENT 7

Span9

2816 **Wearing Surface** Asphalt Wearing Surface

Priority Level	Defect Type	Quantity	Defect Description
2	Patched Area/Pothole	1	Span 9 Wearing Surface: [PAR] 13ft from bent 9 in West travel lane, pothole [8in diameter x 3in deep] exposing top of deck

Span10

2816 **Wearing Surface** Asphalt Wearing Surface

Priority Level	Defect Type	Quantity	Defect Description
2	Patched Area/Pothole	2	Span 10 Wearing Surface: (3) up to 8" x 6" x 1 1/2" deep area of missing asphalt wearing surface with exposed deck (PAR)

3318 **Left Bridge Rail** Concrete Railing

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	2	Span 10 Left Bridge Rail: 14" x 17" x 9" deep spall with exposed rebar on outside face of Post 5 (PAR)

Element Condition and Maintenance Data

Structure Number: 130367

Inspection Date: 04/28/2022

Span 1 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	2,455	2,435	20	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Efflorescence/Rust Staining	along length of both overhangs, multiple transverse cracks [full width x hairline] with efflorescence build-up	2	20		Square Feet

General Comments

Span 1 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	2,310	471	1,190	648	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Patched Area/Pothole (Wearing Surface)	PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM END BENT 1 AND 4' FROM WHITE LINE	4	1	1	Square Feet
510	Crack (Wearing Surface)	asphalt over end bent 1 joint, alligator cracking [up to full width x up to 1/8in]	3	48	48	Square Feet
510	Crack (Wearing Surface)	throughout Span, multiple longitudinal, transverse and diagonal cracks [up to 8ft x up to 1/8in]	3	600	600	Square Feet
510	Patched Area/Pothole (Wearing Surface)	(3) up to 15' x 4' area of sound patches	2	180		Square Feet
510	Patched Area/Pothole (Wearing Surface)	right travel lane 24ft from bent 1, broken and depressed asphalt [4ft x 2ft x up to 1in deep]; in left travel lane 28ft from bent 1, broken and depressed asphalt [16in diameter x up to 1/2in deep]	2	10		Square Feet
510	Patched Area/Pothole (Wearing Surface)	throughout Span, [22] sound patches [up to 12ft x 8ft]	2	1,000		Square Feet

General Comments

Span 1 Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	82	57	25	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	(24) hairline transverse cracks on rail and curb	2	24		Feet
331	Delamination/Spall	7" x 2" x 1" deep spall on rail at Post 15	2	1	1	Feet

General Comments

Span 1 Right Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	82	62	20	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	(20) hairline transverse cracks on rail and curb	2	20	Feet

General Comments

15' weathered concrete with exposed aggregate on rail between Posts 3 and 5

Span 1 Beam 1**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	78	0	4 Feet
515	Steel Protective Coating	965	823	140	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	[PAR] at far end, active corrosion with section loss: upper web below diaphragm [13in x 16in - avg remaining 3/8in]; lower web [4ft x up to 8in - 3/8in avg remaining]; bottom flange [18in x full width - avg remaining 7/8in]	4	4	4 Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web	2	78	Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	2	2 Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	140	140 Square Feet

General Comments

at end diaphragm adjacent to Beam 1, active corrosion with section loss [avg loss of 1/8in with 3in x 1in corrosion hole]

Span 1 Beam 1 Near Bearing**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	0	2	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	active surface corrosion [no section loss noted]	2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	2	2 Square Feet

General Comments**Span 1 Beam 1 Far Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	0	2	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: 130367

Inspection Date: 04/28/2022

311	Corrosion	active surface corrosion [no section loss noted]	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	2	2	2 Square Feet

General Comments

Span 1 Beam 2
Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	80	0	2 Feet
515	Steel Protective Coating	965	794	170	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	at far end, active corrosion with section loss: bottom flange [16in x full width - avg remaining 1in], web over bearing [9in x full height - avg remaining 5/8in] (PAR)	4	2	2 Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web	2	80	Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	1	1 Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	170	170 Square Feet

General Comments

Span 1 Beam 2 Near Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	0	2	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	active surface corrosion [no section loss noted]	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	2	2	2 Square Feet

General Comments

Span 1 Beam 2 Far Bearing
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	0	2	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	active surface corrosion present	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	2	2	2 Square Feet

General Comments

Span 1**Beam 3****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	80	2	0 Feet
515	Steel Protective Coating	965	814	150	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	[PAR] far end, active corrosion with section loss: bottom flange [15in x full width - avg remaining 5/8in]; web over bearing [9in x full height - avg remaining 5/8in]	3	2	2 Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web	2	80	Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	1	1 Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	150	150 Square Feet

General Comments

Span 1**Beam 3 Near Bearing****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	0	2	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	active surface corrosion [no section loss noted]	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	2	2	2 Square Feet

General Comments

Span 1**Beam 3 Far Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	1	1	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	active surface corrosion [no section loss noted]	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	2	1	1 Square Feet

General Comments

Span 1**Beam 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	77	1	4 Feet
515	Steel Protective Coating	965	793	160	0	12 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	[PAR] at far end active corrosion with section loss: upper web below diaphragm [16in x up to 13in - avg remaining 1/4in]; lower web for 42in [up to 5in high - avg remaining 1/2in]; bottom flange [15in x 7" on both sides - avg remaining 5/8in]	4	4	4 Feet
107	Damage	8" x 10" x 2" deep spall with exposed rebar on Bent 1 diaphragm at East end	3	1	1 Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web	2	77	Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	12	12 Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	160	160 Square Feet

General Comments**Span 1****Beam 4 Near Bearing****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	1	1	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	active surface corrosion [loss up to 1/16in]	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion and section loss	2	1	1 Square Feet

General Comments**Span 1****Beam 4 Far Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	0	2	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	active surface corrosion [no section loss noted]	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	2	2	2 Square Feet

General Comments

Span 2 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	2,455	2,427	28	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Cracking (RC and Other)	14 square feet hairline transverse cracks in East overhang (West overhang similar)	2	28	28 Square Feet

General Comments

Span 2 Expansion Joint**Compression Seal**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
302	Compression Joint Seal	30	0	5	10	15 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
302	Seal Adhesion	right travel lane, seal completely missing and is partially filled with asphalt in random locations	4	15	15 Feet
302	Adjacent Deck or Header	28" x 12" x 1" deep spalled patch along Bent 1 joint	3	3	3 Feet
302	Metal Deterioration or Damage	[PAR] in right travel lane near dashed line, seal completely missing and adjacent metal angle distorted and sharp	3	3	3 Feet
302	Seal Adhesion	along length of joint, seal adhesion failure [adhesion < 50%]	3	4	Feet
302	Adjacent Deck or Header	(2) up to 14' x 10' area of sound patches along Bent 1 joint	2		Feet
302	Seal Adhesion	along length of joint, seal adhesion failure [adhesion > 50%]	2	5	Feet

General Comments

Span 2 Wearing Surface**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	2,310	1,902	8	400	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	throughout Span, multiple longitudinal and transverse cracks [up to 8ft x up to 1/16in]	3	400	400 Square Feet
510	Patched Area/Pothole (Wearing Surface)	in right travel lane near bent 1, sound patch [4ft x 2ft]	2	8	Square Feet

General Comments

Span 2 Left Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	82	63	19	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	(18) hairline transverse cracks on rail and curb	2	18	Feet
331	Delamination/Spall	4" x 2" x 1/2" deep spall on curb at Post 13	2	1	1 Feet

General Comments

30' weathered concrete with exposed aggregate on rail between Posts 4 and 9

Span 2	Right Bridge Rail
Concrete Railing	

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	82	48	34	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	(17) hairline transverse cracks on rail and curb	2	17		Feet
331	Cracking (RC and Other)	15' x 10" area of hairline map cracking on curb between Posts 10 and 12	2	15		Feet
331	Delamination/Spall	3" x 4" x 1/2" deep spall on rail at Post 3	2	1	1	Feet
331	Exposed Rebar	8" x 3" x 1/2" deep spall with exposed rebar on rail at Post 6	2	1	1	Feet

General Comments

Span 2	Beam 1
Plate Girder	

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	330	0	313	2	15	Feet
515	Steel Protective Coating	3,420	2,704	715	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at bent 2, active corrosion with section loss upper web at diaphragm: [18in x 13in - 3/8in avg remaining]; lower web: [3ft x 4in - loss < 1/16in]; bottom flange: [2ft x full width - section loss < 1/16in]	4	3	3	Feet
107	Corrosion	[PAR] Span 2 at near end, active corrosion with section loss: [15in x 10in - 1/8in avg remaining] with corrosion hole [2in diameter]; lower web: [4ft x 5in - 5/8in avg remaining]; bottom flange: [4ft x full width - 1in avg remaining]	4	4	4	Feet
107	Corrosion	[PAR] Span 5 at far end, active corrosion with section loss web: [16in x 30in - 3/8in avg remaining]; bottom flange: [6ft x full width - 7/8in avg remaining]	4	6	6	Feet
107	Corrosion	13" x 3" area of 1/4" section loss (1" remaining) on left side of bottom flange near Bent 1 (PAR)	4	2	2	Feet
107	Damage	13" x 9" x 1" deep spall and area of delamination on Span 3 face of Bent 2 diaphragm in Bay 1 in Span 3	3	2	2	Feet
107	Corrosion	exterior face of beam over bent 3, active corrosion with section loss [up to 3ft x up to full height - section loss <1/16in]	2	3		Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web in Spans 2-5	2	310		Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	1	1	Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	715	715	Square Feet

General Comments

Span 2 **Beam 1 Near Bearing**
Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	5	0	0	5	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	bearing exhibits pack rust [1/16in] with active surface corrosion [no section loss noted]	3	1	1 Each
311	Alignment	1 1/8" rotation to the North	2		1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	5	5 Square Feet

General Comments

Span 2 **Beam 1 Far Bearing**
Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	5	0	0	5	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	bearing exhibits pack rust [1/8in] and corrosion with section loss [section loss up to 1/16in]	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	3	5	5 Square Feet

General Comments

Span 2 **Beam 1 Intermediate Bearing**
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	bent 2 bearing exhibits pack rust [1/16in] with active surface corrosion [no section loss noted]	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	2	2 Square Feet

General Comments

Span 2 **Beam 1 Intermediate Bearing**
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: 130367Inspection Date: 04/28/2022

313	Corrosion	bent 3 bearing exhibits pack rust [1/16in] with active surface corrosion [no section loss noted]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	2	2	Square Feet

General Comments**Span 2 Beam 1 Intermediate Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Alignment	bearing is [3/16in] in contraction	2	1	1 Each

General Comments**Span 2 Beam 2****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	330	0	325	3	2 Feet
515	Steel Protective Coating	3,420	2,683	735	1	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	Span 2 over bent 1, active corrosion with section loss: left side web over bearing [8in x 12in - avg remaining 5/8in]; lower web [2ft x 1ft - no loss noted]; bottom flange [16in x full width - no loss noted] (PAR)	4	2	2 Feet
107	Corrosion	9" x 24" area of 1/16" section loss (11/16" remaining) on web in Span 5 at Bent 5	3	1	1 Feet
107	Damage	16" x 12" x 1/4" deep spall and area of delamination on Span 4 face of Bent 3 diaphragm in Bay 2	3	2	2 Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web in Spans 2-5	2	325	Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	1	1 Square Feet
515	Effectiveness (Steel Protective Coatings)	Limited effectiveness	3	1	1 Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	735	735 Square Feet

General Comments**Span 2 Beam 2 Near Bearing****Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	5	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Movement	1/4" rotation to the North	2	1	1 Each

General Comments

Span 2

Beam 2 Far Bearing

Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	5	0	0	5	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	bearing exhibits pack rust [3/16in] and corrosion with section loss [section loss up to 1/16in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	3	5	5	Square Feet

General Comments

Span 2

Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	330	0	326	2	2	Feet
515	Steel Protective Coating	3,420	2,588	830	1	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] over bent 2, active corrosion with section loss upper web adjacent to deck haunch: [22in x up to 10in - avg remaining 5/16in]	4	2	2	Feet
107	Corrosion	4" x 5" area of 1/4" section loss (1" remaining) on right side of bottom flange in Span 3 at Bent 2	3	1	1	Feet
107	Corrosion	9" x 24" area of 1/16" section loss (11/16" remaining) on web in Span 5 at Bent 5	3	1	1	Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web in Spans 2-5	2	326		Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	1	1	Square Feet
515	Effectiveness (Steel Protective Coatings)	Limited effectiveness	3	1	1	Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	830	830	Square Feet

General Comments

Span 2

Beam 3 Near Bearing

Rocker Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	5	0	0	5	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	bearing exhibits pack rust [1/8in] with active surface corrosion [no section loss noted]	3	1	1	Each
311	Alignment	5/8" rotation to the North	2		1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	5	5	Square Feet

General Comments

Span 2**Beam 3 Far Bearing****Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	5	0	0	5	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	bearing exhibits pack rust [3/16in] and corrosion with section loss [section loss up to 1/16in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	3	5	5	Square Feet

General Comments

Span 2**Beam 3 Intermediate Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	bent 2 bearing exhibits pack rust [1/16in] with active surface corrosion [no section loss noted]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	2	2	Square Feet

General Comments

Span 2**Beam 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	330	0	296	8	26	Feet
515	Steel Protective Coating	3,420	2,764	640	2	14	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] in Span 5 at far end, active corrosion with section loss, web at diaphragm: [18in x 30in - avg remaining 1/4in] with 4" x 8" hole; next 5ft lower web: [5ft x up to 5in - avg remaining 5/16in]; bottom flange: [4ft x up to full width - avg remaining 15/16in]	4	5	5	Feet
107	Corrosion	2' x 5" area of 1/4" section loss (1" remaining) on right side of bottom flange in Span 2 at Bent 1 (PAR)	4	2	2	Feet
107	Corrosion	6' x 2' area of 1/2" section loss (1/4" remaining) on right side of web in Span 2 at Bent 1 (PAR)	4	6	6	Feet
107	Corrosion	over bent 2, active corrosion with section loss web over bearing: [24in x 17in - 5/8in avg remaining]; lower web: [7ft x up to 5in - 5/8in avg remaining]; bottom flange: [11ft x full width - 1" remaining] (PAR)	4	11	11	Feet
107	Distortion	21" x 20" area of 1/4" buckling on lower web in Span 5 (PAR)	4	2	2	Feet
107	Corrosion	exterior face over bent 3, active corrosion with section loss upper web at deck haunch: [20in x 4in - avg remaining 11/16in]; both faces of lower web: [8ft x 4in - loss < 1/16in]	3	8	8	Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web in Spans 2-5	2	296		Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	14	14	Square Feet

515	Effectiveness (Steel Protective Coatings)	Limited effectiveness	3	2	2 Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	640	640 Square Feet

General Comments**Span 2 Beam 4 Near Bearing****Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	5	0	0	5	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	bearing exhibits pack rust [1/8in] with active surface corrosion [no section loss noted]	3	1	1 Each
311	Alignment	3/4" rotation to the North	2		1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	5	5 Square Feet

General Comments**Span 2 Beam 4 Far Bearing****Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	5	0	0	5	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	bearing exhibits pack rust [1/8in] and corrosion with section loss [section loss up to 1/16in]	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	3	5	5 Square Feet

General Comments**Span 2 Beam 4 Intermediate Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	bent 2 bearing exhibits pack rust [1/16in] with active surface corrosion [no section loss noted]	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	2	2 Square Feet

General Comments

Span 2**Beam 2 Intermediate Bearing****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	bent 3 bearing exhibits pack rust [1/16in] with active surface corrosion [no section loss noted]	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	2	2 Square Feet

General Comments**Span 2****Beam 2 Intermediate Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Alignment	3/16in rotation to the North	2	1	1 Each

General Comments**Span 2****Beam 3 Intermediate Bearing****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	bent 3 bearing exhibits pack rust [1/16in] with active surface corrosion [no section loss noted]	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	2	2 Square Feet

General Comments**Span 2****Beam 3 Intermediate Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Alignment	3/16in rotation to the North	3	1	1 Each

General Comments

Span 2**Beam 4 Intermediate Bearing****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	bent 3 bearing exhibits pack rust [1/16in] with active surface corrosion [no section loss noted]	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	2	2 Square Feet

General Comments**Span 2****Beam 4 Intermediate Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Alignment	bearing is [3/16in] in contraction	2	1	1 Each

General Comments**Span 3****Deck****Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	2,455	2,439	16	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Cracking (RC and Other)	8 square feet hairline transverse cracks with efflorescence in East overhang (West overhang similar)	2	16	16 Square Feet

General Comments**Span 3****Wearing Surface****Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	2,310	1,985	48	277	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	250 square feet up to 1/8" longitudinal and transverse cracks	3	250	250 Square Feet
510	Crack (Wearing Surface)	asphalt over bent 2, multiple transverse cracks [up to full width x up to 1/4in]	3	26	26 Square Feet
510	Delamination/Spall (Wearing Surfaces)	in right travel lane near dashed line 25ft from bent 2, spall [12in x 7in x 2in deep]	3	1	1 Square Feet
510	Patched Area/Pothole (Wearing Surface)	(4) up to 2' x 6' area of sound patches	2	48	Square Feet

General Comments

Span 3 Left Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	82	50	32	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	(32) hairline transverse cracks on rail and curb	2	32	Feet
General Comments					

Span 3 Right Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	82	57	25	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	(23) hairline transverse cracks on rail and curb	2	23	Feet
331	Exposed Rebar	16ft from bent 2, two [2] spalls [up to 6in x 2in x 1/4in deep] with two [2] exposed rusted reinforcing [no loss noted]	2	2	2 Feet
General Comments					

Span 4 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	2,455	1,697	758	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Abrasion/Wear (PSC/RC)	700 square feet weathered concrete with exposed aggregate on bottom of deck	2	700	Square Feet
12	Cracking (RC and Other)	10 square feet hairline transverse cracks with efflorescence in East overhang (West overhang similar)	2	20	20 Square Feet
12	Damage	32' x 14" weathered concrete with exposed aggregate on East overhang	2	38	Square Feet
General Comments					

Span 4 Wearing Surface**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	2,310	1,768	16	526	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	asphalt over bent 3, multiple transverse cracks [up to full width x up to 1/4in]	3	26	26 Square Feet
510	Crack (Wearing Surface)	throughout Span, multiple transverse and longitudinal cracks [up to 12ft x up to 1/8in]	3	500	500 Square Feet
510	Patched Area/Pothole (Wearing Surface)	(2) up to 4' x 4' area of sound patches	2	16	Square Feet
General Comments					

Span 4 Left Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	82	57	25	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	(24) hairline transverse cracks in rail and curb	2	24	Feet
331	Exposed Rebar	(5) areas of exposed rebar on rail between Post 1 and Post 3	2	1	1 Feet

General Comments

Span 4 Right Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	82	62	20	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	(20) hairline transverse cracks on rail and curb	2	20	Feet

General Comments

Span 5 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	2,455	2,445	10	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Cracking (RC and Other)	10 square feet hairline transverse cracks with efflorescence in East overhang	2	10	10 Square Feet

General Comments

Span 5 Wearing Surface**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	2,310	1,526	8	776	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	asphalt over bent 4, multiple transverse cracks [up to full width x up to 1/4in]	3	26	26 Square Feet
510	Crack (Wearing Surface)	throughout span, multiple transverse and longitudinal cracks [up to 15ft x up to 1/8in]	3	750	750 Square Feet
510	Patched Area/Pothole (Wearing Surface)	right travel lane 2ft from bent 4, sound patch [4ft x 2ft]	2	8	Square Feet

General Comments

Span 5 Left Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	82	62	20	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	(20) hairline transverse cracks on rail and curb	2	20	Feet

General Comments

Span 5 Right Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	82	55	27	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	(24) hairline transverse cracks on rail and curb	2	24	Feet
331	Delamination/Spall	3" x 4" x 1" deep spall on rail at Post 13	2	1	1 Feet
331	Patched Area	15" x 16" area of sound patch on rail at Post 14	2	2	Square Feet

General Comments

Span 6 Expansion Joint**Compression Seal**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
302	Compression Joint Seal	30	0	14	0	16 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
302	Seal Adhesion	PAR: (2) up to 8' missing joint material IN BOTH LANES	4	16	16 Feet
302	Debris Impaction	16' dirt and debris	2	4	Feet
302	Seal Adhesion	10' detached joint material	2	10	Feet

General Comments

Span 6 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	2,455	2,235	220	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Cracking (RC and Other)	10 square feet hairline transverse cracks with efflorescence in East overhang (West overhang similar)	2	20	20 Square Feet
12	Cracking (RC and Other)	200 square feet hairline transverse cracks on bottom of deck	2	200	200 Square Feet

General Comments

Span 6 Wearing Surface**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	2,310	1,375	84	850	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Patched Area/Pothole (Wearing Surface)	PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM BENT 5 AND 2' FROM CENTERLINE	4	1	1 Square Feet
510	Crack (Wearing Surface)	throughout span, multiple transverse and longitudinal cracks [up to 15ft x up to 1/8in]	3	850	850 Square Feet
510	Patched Area/Pothole (Wearing Surface)	(7) up to 2' x 6' area of sound patches	2	84	Square Feet

General Comments

Span 6 Left Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	82	50	32	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	(32) hairline transverse cracks on rail and curb	2	32	Feet

General Comments

Span 6 Right Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	82	70	12	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	(12) hairline transverse cracks on rail and curb	2	12	Feet

General Comments

Span 6 Beam 1**Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	330	0	314	2	14 Feet
515	Steel Protective Coating	3,420	2,754	660	0	6 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	[PAR] at bent 6, active corrosion with section loss, upper web at diaphragm [18in x 10in - avg remaining 1/4in]; lower web [6ft x 4in - avg remaining 5/16in]; bottom flange [2ft x full width - 1" remaining]	4	6	6 Feet

Structure Number: **130367**

Inspection Date: **04/28/2022**

107	Corrosion	[PAR] in Span 9 at far end, active corrosion with section loss, upper web at diaphragm: [13in x 13in - avg remaining 1/2in]; lower web: [3ft x 4in - avg remaining knife edge] with corrosion hole over bearing [1in x 1/2in]; bottom flange: [15in x full width - avg remaining 7/8in]	4	3	3	Feet
107	Corrosion	[PAR] near end at bent 5, active corrosion with section loss, upper web at diaphragm: [15in x 10in - avg remaining 1/4in]; lower web: [3ft x 4in - avg remaining 3/8in] ; bottom flange: [18in x full width - section loss < 1/16in]	4	3	3	Feet
107	Corrosion	15" x 10" area of 1" section loss (1/4" remaining) on left side of web in Span 6 at Bent 5 (PAR)	4	2	2	Feet
107	Damage	16" x 10" x 1/2" deep spall with exposed rebar and area of delamination on Bent 8 diaphragm in Bay 1	3	2	2	Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web in Spans 6-9	2	314		Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	6	6	Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	660	660	Square Feet

General Comments

at bent 7 top flange of interior diaphragm, active corrosion [section loss up to 50%]

**Span 6 Beam 1 Near Bearing
Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	5	0	0	5	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	bearing exhibits pack rust [1/8in] and corrosion with section loss [section loss up to 1/16in]	3	1	1 Each
311	Alignment	3/4" rotation to the South	2		1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	3	5	5 Square Feet

General Comments

**Span 6 Beam 1 Far Bearing
Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	4	1	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	Peeling paint with rust	2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	1	1 Square Feet

General Comments

rocker bearing vertical

Span 6 **Beam 1 Intermediate Bearing**
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	bent 6 bearing exhibits pack rust [1/8in]	3	1	1 Each
311	Alignment	5/8" rotation to the South	2		1 Each
515	Effectiveness (Steel Protective Coatings)	Limited effectiveness	3	2	2 Square Feet

General Comments

Span 6 **Beam 1 Intermediate Bearing**
Movable Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	1	1	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	Peeling paint with rust	2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	1	1 Square Feet

General Comments

Span 6 **Beam 2**
Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	330	0	322	6	2 Feet
515	Steel Protective Coating	3,420	2,677	740	1	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	[PAR] upper web at both faces of bent 6 deck haunch, active corrosion with section loss [18in x up to 10in - avg remaining 1/4in]; lower web [20in x 2in - section loss <1/16in]	4	2	2 Feet
107	Corrosion	at near end at bent 5, active corrosion with 1/16" section loss, upper web [18in x up to 8in - avg re 11/16in]	3	2	2 Feet
107	Corrosion	in Span 9 right side lower web at far end, active corrosion [2ft x 2in - avg remaining 21/32in]	3	2	2 Feet
107	Damage	4" x 2 1/2" x 1 1/2" deep spall on Bent 8 diaphragm in Bay 1	3	1	1 Feet
107	Damage	9" x 9" x 1/2" deep spall and area of delamination on Span 7 face of Bent 6 diaphragm in Bay 1	3	1	1 Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web in Spans 6-9	2	320	Feet
107	Damage	17" x 10" area of delamination on Span 7 face of Bent 6 diaphragm in Bay 2	2	2	2 Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	2	2 Square Feet
515	Effectiveness (Steel Protective Coatings)	Limited effectiveness	3	1	1 Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	740	740 Square Feet

General Comments

top flange of interior diaphragm, active corrosion [section loss up to 50%]

Span 6 Beam 2 Near Bearing**Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	5	0	0	5	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	bearing exhibits pack rust [1/8in] and corrosion with section loss [section loss up to 1/16in]	3	1	1 Each
311	Alignment	1/4" rotation to the South	2		1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	3	5	5 Square Feet

General Comments**Span 6 Beam 2 Far Bearing****Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	4	1	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	Peeling paint with rust	2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	1	1 Square Feet

General Comments

rocker bearing vertical

Span 6 Beam 2 Intermediate Bearing**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	bent 6 bearing exhibits pack rust [1/16in]	3	1	1 Each
311	Alignment	bearing is in contraction [5/8in]	2		1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	3	2	2 Square Feet

General Comments

Span 6**Beam 3****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	330	0	327	3	0 Feet
515	Steel Protective Coating	3,420	2,694	0	726	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	at near end at bent 5, active corrosion with section loss, upper web [12in x up to 5in - 11/16in remaining]	3	1	1 Feet
107	Corrosion	in Span 9 lower web at far end, active corrosion [9in x 5in - avg remaining 11/16in]	3	1	1 Feet
107	Damage	9" x 9" x 1/2" deep spall and area of delamination on Span 7 face of Bent 6 diaphragm in Bay 2	3	1	1 Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web in Spans 6-9	2	326	Feet
107	Damage	4" x 1 1/2" x 1/2" deep spall on Span 8 face on Bent 7 diaphragm in Bay 2	2	1	1 Feet
515	Effectiveness (Steel Protective Coatings)	Limited effectiveness	3	1	1 Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	3	725	725 Square Feet

General Comments

top flange of interior diaphragm, active corrosion [section loss up to 50%]

Span 6**Beam 3 Near Bearing****Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	5	0	0	5	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	bearing exhibits pack rust [1/8in] and corrosion with section loss [section loss up to 1/16in]	3	1	1 Each
311	Alignment	1/2" rotation to the South	2		1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	3	5	5 Square Feet

General Comments**Span 6****Beam 3 Far Bearing****Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	4	1	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	Peeling paint with rust	2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	1	1 Square Feet

General Comments

rocker bearing vertical

Span 6**Beam 3 Intermediate Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	bent 6 bearing exhibits pack rust [1/16in]	3	1	1 Each
311	Alignment	bearing is in contraction [5/8in]	2		1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	3	2	2 Square Feet

General Comments**Span 6****Beam 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	330	0	299	0	31 Feet
515	Steel Protective Coating	3,420	2,764	645	0	11 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	[PAR] in Span 9 at far end, active corrosion, right side web at diaphragm [12in x 5in - avg remaining 1/2in]	4	1	1 Feet
107	Corrosion	[PAR] near end at bent 5, active corrosion with section loss, upper web at diaphragm: [14in x 6in - avg remaining 1/4in] with corrosion hole [1 1/2in x 1 1/2in] ; lower web: [4ft x 8in - avg remaining 5/16in] ; bottom flange: [40in x 6in - avg remaining 7/8in]	4	4	4 Feet
107	Corrosion	[PAR] upper web at diaphragm at bent 6, active corrosion with section loss [30in x up to 12in - avg remaining 1/4in]; lower web [10ft x up to 7in - avg remaining 3/8in]	4	10	10 Feet
107	Corrosion	10' x 5" area of up to 5/8" section loss (7/8" remaining) on right side of bottom flange in Span 7 at Bent 6 (PAR)	4	10	10 Feet
107	Corrosion	8" x 3/16" loss of width on bottom flange in Span 6 at Bent 5 (PAR)	4	1	1 Feet
107	Corrosion	in Span 9 at far end, active corrosion, lower web [34in x 2in - avg remaining 11/16in]; bottom flange [32in x up to 6in - avg remaining 7/8in] (PAR)	4	3	3 Feet
107	Corrosion	over bent 8 upper web at diaphragm, active corrosion [24in x up to 3in - avg remaining 5/8in]; lower web [4ft x 2in - avg remaining 5/8in] (PAR)	4	2	2 Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web in Spans 6-9	2	299	Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	11	11 Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	645	645 Square Feet

General Comments

top flange of interior diaphragm, active corrosion [section loss up to 50%]

Span 6 **Beam 4 Near Bearing****Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	0	1 Each
515	Steel Protective Coating	5	0	0	5	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Connection	[PAR] West rocker bolt is missing	4	1	1 Each
311	Corrosion	bearing exhibits pack rust [1/8in] and corrosion with section loss [section loss up to 1/16in]	3		1 Each
311	Alignment	5/8" rotation to the South	2		1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	3	5	5 Square Feet

General Comments**Span 6** **Beam 4 Far Bearing****Rocker Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	5	4	1	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	Peeling paint with rust	2	1	Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	1	1 Square Feet

General Comments

rocker bearing vertical

Span 6 **Beam 4 Intermediate Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	bearing over bent 6 exhibits pack rust [1/8in]	3	1	1 Each
311	Alignment	bearing is in contraction [5/8in]	2		1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	3	2	2 Square Feet

General Comments

Span 6**Beam 2 Intermediate Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	1	1	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	Peeling paint with rust	2	1		Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	1	1	Square Feet

General Comments**Span 6****Beam 3 Intermediate Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	1	1	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	Peeling paint with rust	2	1		Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	1	1	Square Feet

General Comments**Span 6****Beam 4 Intermediate Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	1	1	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	Peeling paint with rust	2	1		Each
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	1	1	Square Feet

General Comments**Span 7****Deck****Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	2,455	2,305	150	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	12 square feet hairline transverse cracks with efflorescence in West overhang (East overhang similar)	2	24	24	Square Feet
12	Cracking (RC and Other)	42 square feet hairline transverse cracks on bottom of deck in Bay 3 (Each Bay similar)	2	126	126	Square Feet

General Comments

Span 7 Wearing Surface**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	2,310	66	816	1,427	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Patched Area/Pothole (Wearing Surface)	PAR: 12" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 10' FROM BENT 6 AND 1' FROM WHITE LINE	4	1	1	Square Feet
510	Crack (Wearing Surface)	asphalt over bent 6, multiple transverse cracks [up to full width x up to 1/4in]	3	26	26	Square Feet
510	Crack (Wearing Surface)	throughout span at random locations, multiple areas of map cracking [up to 1/8in wide]	3	200	200	Square Feet
510	Crack (Wearing Surface)	throughout span, multiple transverse and longitudinal cracks [up to 15ft x up to 1/8in]	3	1,200	1,200	Square Feet
510	Delamination/Spall (Wearing Surfaces)	[PAR] in LEFT travel lane, spall [9in x up to 9in x 2in deep] exposing the top of deck AT 6' FROM BENT 6 AND 2' FROM WHITE LINE	3	1	1	Square Feet
510	Patched Area/Pothole (Wearing Surface)	(17) up to 12' x 4' area of sound patches	2	816		Square Feet

General Comments

Span 7 Left Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	82	49	33	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	(29) hairline transverse cracks on rail and curb	2	29		Feet
331	Delamination/Spall	9" x 3" x 1/2" deep spall on curb at Post 3	2	1	1	Feet
331	Exposed Rebar	(8) up to 4" x 5" x 3/4" deep spalls with exposed rebar on rail between Posts 4 and 6	2	3	3	Feet

General Comments

1' weathered concrete with exposed aggregate on rail at Post 6

Span 7 Right Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	82	45	37	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	(27) hairline transverse cracks on rail and curb	2	27		Feet
331	Delamination/Spall	along length of rail, ten [10] spalls [up to 6in x 2in x 1/2in deep] exposing ten [10] exposed rusted reinforcing [no section loss noted]	2	10	10	Feet

General Comments

Span 8 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	2,455	1,969	486	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	150 square feet hairline longitudinal and transverse cracks with efflorescence on bottom of deck in Bay 2 (Each Bay similar)	2	450	450	Square Feet
12	Cracking (RC and Other)	18 square feet hairline transverse cracks with efflorescence in East overhang (West overhang similar)	2	36	36	Square Feet

General Comments

Span 8 Wearing Surface**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	2,310	0	800	1,505	5	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Patched Area/Pothole (Wearing Surface)	[PAR] in both travel lanes, two [2] potholes in right travel lane near midspan: [12in diameter x up to 2in deep]; in left travel lane 20ft from bent 8 [1.5ft x 1ft x 2in deep] both exposing the top of deck	4	2	2	Square Feet
510	Patched Area/Pothole (Wearing Surface)	PAR: 18" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED DECK IN LEFT LANE AT 25' FROM BENT 7	4	3	3	Square Feet
510	Crack (Wearing Surface)	1/4" TRANSVERSE CRACKING OVER BENT 7	3	26	26	Square Feet
510	Crack (Wearing Surface)	throughout Span, multiple transverse and longitudinal cracks [up to 15ft x up to 1/8in]	3	1,388	1,400	Square Feet
510	Patched Area/Pothole (Wearing Surface)	(2) up to 6" x 3" x 2" deep area of missing asphalt wearing surface near Bent 8	3	1	1	Square Feet
510	Patched Area/Pothole (Wearing Surface)	(4) up to 10' x 5' area of unsound patches	3	90	90	Square Feet
510	Patched Area/Pothole (Wearing Surface)	(25) up to 15' x 4' area of sound patches	2	800		Square Feet

General Comments

Span 8 Left Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	82	48	34	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	(29) hairline transverse cracks on rail and curb	2	29		Feet
331	Delamination/Spall	along length of rail and curb, five [5] spalls [up to 6in x 2in x 1/2in deep] exposing five [5] exposed rusted reinforcing [no section loss noted]	2	5	5	Feet

General Comments

7.5' weathered concrete with exposed aggregate on rail between Posts 4 and 5

Span 8 Right Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	82	52	30	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	(30) hairline transverse cracks on rail and curb	2	30	Feet

General Comments

Span 9 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	2,455	2,420	33	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Delamination/Spall	deck haunch at beam 1 over bent 8, delamination/spall [18in x 12in x 1-1/4n deep] West one [1] exposed rusted reinforcing [no section loss noted]	3	2	2 Square Feet
12	Cracking (RC and Other)	15 square feet hairline transverse cracks with efflorescence on East overhang (West overhang similar)	2	30	30 Square Feet
12	Delamination/Spall	deck haunch at beam 2 over bent 8, delamination [16in x 12in]	2	2	2 Square Feet
12	Exposed Rebar	(5) up to 7" x 3" x 1/2" deep spalls with exposed rebar on bottom of deck in Bay 1	2	1	1 Square Feet

General Comments

Span 9 Wearing Surface**Asphalt Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	2,310	93	1,000	1,216	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Patched Area/Pothole (Wearing Surface)	[PAR] 13ft from bent 9 in West travel lane, pothole [8in diameter x 3in deep] exposing top of deck	4	1	1 Square Feet
510	Crack (Wearing Surface)	1/2" TRANSVERSE CRACKING OVER BENT 8	3	26	26 Square Feet
510	Crack (Wearing Surface)	250 square feet up to 1/8" alligator cracking	3	250	250 Square Feet
510	Crack (Wearing Surface)	asphalt over bent 9, multiple transverse cracks [up to full width x up to 1/4in]	3	26	26 Square Feet
510	Crack (Wearing Surface)	throughout span, multiple transverse and longitudinal cracks [up to 15ft x up to 1/8in]	3	900	900 Square Feet
510	Patched Area/Pothole (Wearing Surface)	(8) up to 12" x 10" area of unsound patches	3	8	8 Square Feet
510	Patched Area/Pothole (Wearing Surface)	25ft from bent 10 in right travel lane, pothole [1.5ft diameter x up to 1in deep]	3	3	3 Square Feet
510	Patched Area/Pothole (Wearing Surface)	9ft from bent 9 in left travel lane, pothole [1.5ft diameter x up to 2in deep]	3	3	3 Square Feet
510	Patched Area/Pothole (Wearing Surface)	throughout Span, (22) sound patches [up to 18ft x 9ft]	2	1,000	Square Feet

General Comments

Span 9 Left Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	82	57	25	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	(25) hairline transverse cracks on rail and curb	2	25	Feet

General Comments

Span 9 Right Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	82	51	31	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	(31) hairline transverse cracks on rail and curb	2	31	Feet

General Comments

Span 10 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	2,455	2,448	7	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Cracking (RC and Other)	5 square feet hairline transverse cracks in West lane, 16' from End Bent 2	2	5	5 Square Feet
12	Exposed Rebar	(3) up to 10" x 5" x 1" deep spalls with exposed rebar in East lane, 26' from End Bent 2	2	2	2 Square Feet
12	Cracking (RC and Other)	along length of underside of left and right overhangs at drain pipes, multiple transverse cracks [up to 3ft x hairline]	1	36	Square Feet

General Comments

Span 10 Expansion Joint**Compression Seal**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
302	Compression Joint Seal	30	0	17	13	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
302	Adjacent Deck or Header	(2) up to 14" x 12" x 2" deep area of missing asphalt wearing surface with exposed rebar along Bent 9 joint (PAR)	3	4	4 Feet
302	Seal Adhesion	along length of joint, seal adhesion failure [adhesion < 50%]	3	9	Feet
302	Adjacent Deck or Header	(2) up to 7' x 2' area of sound patches along Bent 9 joint	2		Feet
302	Debris Impaction	Full length dirt and debris	2	5	Feet
302	Seal Adhesion	along length of joint, seal adhesion failure [adhesion > 50%]	2	12	Feet

General Comments

Span 10 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	2,310	1,446	36	828	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	asphalt over end bent 2, multiple transverse cracks [up to full width x up to 1/4in]	3	26	26 Square Feet
510	Crack (Wearing Surface)	throughout span, multiple transverse and longitudinal cracks [up to 15ft x up to 1/8in]	3	800	800 Square Feet
510	Patched Area/Pothole (Wearing Surface)	(3) up to 8" x 6" x 1 1/2" deep area of missing asphalt wearing surface with exposed deck (PAR)	3	2	2 Square Feet
510	Patched Area/Pothole (Wearing Surface)	(2) up to 9' x 2' area of sound patches	2	36	Square Feet
510	Patched Area/Pothole (Wearing Surface)	(2) up to 9'-6" x 4' x 2" deep area of missing asphalt wearing surface with exposed rebar (PATCHED PRIOR TO 2022 INSPECTION)	1	76	Square Feet

General Comments

Span 10 Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	82	65	12	5	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	13" up to 1/16" diagonal crack on outside face of Post 4	3	2	2 Feet
331	Delamination/Spall	10 1/2" x 15" x 4" deep spall on Post 12	3	1	1 Feet
331	Exposed Rebar	14" x 17" x 9" deep spall with exposed rebar on outside face of Post 5 (PAR)	3	2	2 Feet
331	Cracking (RC and Other)	(2) hairline vertical and diagonal cracks on rail at Post 5	2	2	Feet
331	Cracking (RC and Other)	(8) hairline vertical and transverse cracks in rail and curb	2	8	Feet
331	Delamination/Spall	8" x 3" x 1" deep spall on rail at Post 13	2	1	1 Feet
331	Delamination/Spall	9" x 4" x 1" deep spall on End Post	2	1	1 Feet

General Comments

15' weathered concrete with exposed rebar on rail between Posts 5 and 8

Span 10 Right Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	82	62	18	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Delamination/Spall	1" x 7" x 4" deep spall on Post 12	3	1	1 Feet
331	Delamination/Spall	1" x 9" x 7" deep spall on Post 13	3	1	1 Feet
331	Cracking (RC and Other)	(14) hairline transverse cracks in rail and curb	2	14	Feet

331	Exposed Rebar	along length of rail and curb, four [4] spalls [up to 6in x 2in x 1/2in deep] exposing four [4] exposed rusted reinforcing [no section loss noted]	2	4	4	Feet
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General Comments
Span 10**Beam 1****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	78	0	4 Feet
515	Steel Protective Coating	965	741	220	0	4 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	[PAR] at near end, active corrosion with section loss, upper web at diaphragm: [13in x 13in - avg remaining 3/16in] with corrosion hole [3in x 3in]; lower web: [4ft x 2in - avg remaining 7/16in]; bottom flange: [12in x full width - avg remaining 3/4in]	4	4	4 Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web	2	78	Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	4	4 Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	220	220 Square Feet

General Comments
Span 10**Beam 1 Near Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	active surface corrosion with section loss [up to 3/16in]	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion with section loss	3	2	2 Square Feet

General Comments
Span 10**Beam 1 Far Bearing****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	0	2	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	active surface corrosion [no section loss noted]	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	2	2	2 Square Feet

General Comments

Span 10**Beam 2****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	79	2	1 Feet
515	Steel Protective Coating	965	864	100	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	at near end, active corrosion: bottom flange [8in x full width - avg remaining 1in] (PAR)	4	1	1 Feet
107	Damage	17" x 11" x 4" deep spall on Bent 4 diaphragm in Bay 2	3	2	2 Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web	2	79	Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	1	1 Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	100	100 Square Feet

General Comments**Span 10****Beam 2 Near Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	active surface corrosion with section loss [up to 3/16in]	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion with section loss	3	2	2 Square Feet

General Comments**Span 10****Beam 3****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	80	0	2 Feet
515	Steel Protective Coating	965	818	145	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	[PAR] at near end, active corrosion with section loss, web over bearing: [23in x up to full height - avg remaining 1/2in]; bottom flange: [14in x full width - avg remaining 1-1/8in]	4	2	2 Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web	2	80	Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	2	2 Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	145	145 Square Feet

General Comments

Span 10**Beam 3 Near Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	active surface corrosion with section loss [up to 3/16in]	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion with section loss	3	2	2 Square Feet

General Comments**Span 10****Beam 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	82	0	78	2	2 Feet
515	Steel Protective Coating	965	803	160	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	[PAR] at near end, active corrosion with section loss, upper web at diaphragm: [12in x 1in - avg remaining 1/4in] ; lower web: [19in x 3in - avg remaining 7/16in]; bottom flange: [20in x 5in - avg remaining 7/8in]	4	2	2 Feet
107	Damage	17" x 11" x 4" deep spall on Bent 4 diaphragm in Bay 3	3	2	2 Feet
107	Corrosion	Full length peeling paint with rust and surface rust on both flanges and web	2	78	Feet
515	Effectiveness (Steel Protective Coatings)	Failed	4	2	2 Square Feet
515	Effectiveness (Steel Protective Coatings)	Substantially effective	2	160	160 Square Feet

General Comments**Span 10****Beam 4 Near Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	0	1	0 Each
515	Steel Protective Coating	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	active surface corrosion with section loss [up to 3/16in]	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion with section loss	3	2	2 Square Feet

General Comments

Span 10**Beam 4 Far Bearing****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	2	0	2	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	active surface corrosion [no section loss noted]	2	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	2	2	2 Square Feet

General Comments**Bent 1****Pile 1****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 9-28-2021- UP TO A 1/4" LOSS TO SURFACE CONCRETE FROM 1' ABOVE WATERLINE TO MUDLINE.	2	1	Each
205	Cracking (RC and Other)	6' x 3' area of hairline vertical and horizontal cracks with efflorescence on East face (West face similar)	2		Each
205	Cracking (RC and Other)	6' x 4' area of hairline vertical and horizontal cracks with efflorescence on Span 2 face (Span 1 face similar)	2		Each

General Comments**Bent 1****Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	28	23	3	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	22" x 33" x 1" deep spall and area of delamination on Span 1 face under Beam 3	3	2	2 Feet
234	Cracking (RC and Other)	18" x 48" area of hairline horizontal and vertical cracks with efflorescence on Span 2 face under Bay 1	2	2	Feet
234	Delamination/Spall	(6) up to 2" x 3" x 1/2" deep spalls on Span 2 face under Bay 1	2	1	1 Feet

General Comments**Bent 1****Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	36	19	0	17	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	60" x 9" x 1" deep spall and area of delamination with 7' long up to 1/16" horizontal crack	3	7	7 Feet

234 Cracking (RC and Other) along length of cap below Bay 1, horizontal crack [up to 10ft x up to 1/16in] with 48" x 8" area of delamination 3 10 10 Feet

General Comments

Bent 2 Pile 1

Reinforced Concrete Column

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 9-28-2021- UP TO A 1/4" LOSS TO SURFACE CONCRETE FROM 1' ABOVE WATERLINE TO MUDLINE.	2	1	Each
205	Cracking (RC and Other)	8' x 2' area of hairline vertical and horizontal cracks on West face	2		Each

General Comments

Bent 2 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	28	9	12	7	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	36" x 30" area of up to 1/16" vertical and horizontal cracks on West face	3	3	3 Feet
234	Exposed Rebar	42" x 32" x 2" deep spall with exposed rebar and area of delamination with up to 1/8" vertical and horizontal cracks on Span 2 face at West end	3	4	4 Feet
234	Cracking (RC and Other)	(3) up to 1' x 1' area of hairline horizontal and vertical cracks with efflorescence and rust stains on Span 3 face under Bay 2	2	3	Feet
234	Cracking (RC and Other)	26" x 9" area of delamination with 50" x 31" area of hairline vertical and horizontal cracks on Span 3 face at West end	2	5	Feet
234	Damage	20" x 11" area of weathered concrete with exposed aggregate on Span 3 face under Beam 4	2	2	2 Feet
234	Delamination/Spall	14" x 15" area of delamination on Span 2 face under Bay 2	2	2	2 Feet

General Comments

Bent 2 Abutment

Reinforced Concrete Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
215	Reinforced Concrete Abutment	45	24	21	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
215	Cracking (RC and Other)	7' hairline horizontal cracks in Bay 1 (Bays 2 and 3 similar)	2	21	Feet

General Comments

Bent 2 Cap 1**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	36	25	0	11	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	11' up to 1/16" horizontal cracks under Bays 2 and 3	3	11	11 Feet

General Comments

Vegetation growth at West end (East end similar)

Bent 3 Pile 1**Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 9-28-2021- UP TO A 1/4" LOSS TO SURFACE CONCRETE FROM 1' ABOVE WATERLINE TO MUDLINE.	2	1	Each

General Comments**Bent 3 Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	28	20	2	6	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Exposed Rebar	2' x 10" x 2 1/2" deep spall with exposed rebar and area of delamination on Span 3 face under Bay 3	3	2	2 Feet
234	Exposed Rebar	North face of bent in Bay 3, delamination/spall [4ft x 1ft x up to 6in deep] with exposed steel (PAR)	3	4	4 Feet
234	Cracking (RC and Other)	12" x 7" area of delamination with 2' x 18" area of hairline horizontal and vertical cracks on Span 4 face and top of cap under Bay 3	2	2	Feet

General Comments**Bent 4 Pile 1****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 9-28-2021- UP TO A 1/4" LOSS TO SURFACE CONCRETE FROM 1' ABOVE WATERLINE TO MUDLINE.	2	1	Each
205	Exposed Rebar	3" x 7" x 1/2" deep spall with exposed rebar on Span 5 face	2		1 Each

General Comments

Bent 4 Cap 1**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	28	24	4	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	(4) hairline vertical cracks on Span 5 face (Span 4 face similar)	2	4	Feet

General Comments**Bent 5 Pile 1****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Cracking (RC and Other)	32" up to 1/16" vertical crack on Span 6 face	3	1	3 Each
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 9-28-2021- UP TO A 1/4" LOSS TO SURFACE CONCRETE FROM 1' ABOVE WATERLINE TO MUDLINE.	2		Each

General Comments**Bent 5 Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	28	27	1	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Exposed Rebar	1" x 5" x 1/2" deep spall with exposed rebar on Span 5 face under Beam 2	2	1	1 Feet

General Comments**Bent 6 Pile 1****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Cracking (RC and Other)	2' x 2' area of delamination with up to 1/16" vertical and horizontal cracks on Southwest corner	3	1	2 Each
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 9-28-2021- UP TO A 1/4" LOSS TO SURFACE CONCRETE FROM 1' ABOVE WATERLINE TO MUDLINE.	2		Each
205	Cracking (RC and Other)	(4) up to 12' hairline vertical cracks on Span 7 face (Span 6 face similar)	2		Each
205	Cracking (RC and Other)	7' x 3' area of hairline vertical and horizontal cracks on East face	2		Each
205	Delamination/Spall	9" x 18" area of delamination on Northwest corner	2		1 Each

General Comments

Bent 6 Cap 1**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	28	9	16	3	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	South face of cap below Bay 2, delamination [34in x 14in] extends [10in] on top face of cap with 1/16" horizontal crack	3	3	3 Feet
234	Cracking (RC and Other)	3' hairline horizontal crack under Bay 2	2	3	Feet
234	Cracking (RC and Other)	along length of both faces of cap, multiple vertical cracks [up to 30in x 0.012in] most extend to top face	2	13	Feet

General Comments**Bent 7 Pile 1****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 9-28-2021- UP TO A 1/4" LOSS TO SURFACE CONCRETE FROM 1' ABOVE WATERLINE TO MUDLINE.	2	1	Each
205	Cracking (RC and Other)	(3) up to 5' hairline vertical cracks on Span 7 face	2		Each
205	Cracking (RC and Other)	8' hairline vertical crack on West face	2		Each
205	Delamination/Spall	5" x 2" x 1" deep spall on West face	2		1 Each

General Comments

Bent 7

Bent 7 Cap 1**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	28	21	7	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	(7) hairline vertical cracks on Span 8 face (Span 7 face similar)	2	7	Feet

General Comments

BENT 7

Bent 8 Pile 1**Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
205	Reinforced Concrete Column	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 9-28-2021- UP TO A 1/4" LOSS TO SURFACE CONCRETE FROM 1' ABOVE WATERLINE TO MUDLINE.	2	1	Each
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General Comments**Bent 8 Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	28	18	9	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Exposed Rebar	12" x 7" x 1" deep spall with exposed rebar on East face	3	1	1	Feet
234	Cracking (RC and Other)	along North and South face, multiple vertical cracks [up to 2ft x 0.012in] most wrap around to top face	2	8		Feet
234	Exposed Rebar	3" x 4" x 1/2" deep spall with exposed rebar on Span 8 face under Bay 3	2	1	1	Feet

General Comments**Bent 9 Pile 1****Reinforced Concrete Column**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
205	Reinforced Concrete Column	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 9-28-2021- UP TO A 1/4" LOSS TO SURFACE CONCRETE FROM 1' ABOVE WATERLINE TO MUDLINE.	2	1		Each

General Comments**Bent 9 Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	28	0	27	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Efflorescence/Rust Staining	West face of cap, delamination/spall [18in x 18in x up to 3/4in deep] with rust stain	3	1	1	Feet
234	Cracking (RC and Other)	(3) up to 2' x 2' areas of hairline map cracking on Span 9 face	2	6		Feet
234	Cracking (RC and Other)	18" x 4" area of delamination with 3' hairline horizontal cracks on Span 9 face of beam step-up under Bay 3	2	3		Feet
234	Cracking (RC and Other)	along length of North face eight [8] vertical cracks [up to 6ft high x 1/32in] with rust stains, most wrap around to top face	2	8		Feet
234	Exposed Rebar	5" x 2" x 1/2" deep spall with exposed rebar on Span 10 face under Bay 3	2	1	1	Feet
234	Exposed Rebar	North face at West end, spall with exposed rebar and area of delamination [32in x 20in x 1- 3/4in deep] with two [2] exposed vertical rebar	2	3	3	Feet
234	Exposed Rebar	North face under beam 2, spall with exposed rebar and area of delamination [34in x 32in x 1-1/2in deep]	2	3	3	Feet
234	Exposed Rebar	South face at beam 3, spall with exposed rebar [27in x 21in x up to 2in deep] with one [1] exposed vertical rebar	2	3	3	Feet

General Comments

Structure Number: 130367

Inspection Date: 04/28/2022

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2455
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 1	Beam 1 Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Beam 2 Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Beam 3 Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Beam 4 Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 2	Expansion Joint	Compression Seal	Compression Joint Seal	30
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 5	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 5	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 5	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 6	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 6	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 6	Expansion Joint	Compression Seal	Compression Joint Seal	30
Span 6	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 7	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 7	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 7	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 8	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 8	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 8	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 9	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 9	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 9	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 10	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 10	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	82
Span 10	Expansion Joint	Compression Seal	Compression Joint Seal	30
Span 10	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2310
Span 10	Beam 1 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 10	Beam 2 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 10	Beam 3 Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 10	Beam 4 Far Bearing	Fixed Bearing	Fixed Bearing	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	45
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36

Elements Verified

Location	Name	Component	Element Name	Amount
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	45

General Inspection Notes

Bent 1 Footing

9-28-2021 UNDERWATER- FOOTING IS NOT EXPOSED AT THIS TIME.

Bent 2 Footing

9-28-2021 UNDERWATER- FOOTING IS NOT EXPOSED AT THIS TIME.

Bent 3 Footing

9-28-2021 UNDERWATER- FOOTING IS NOT EXPOSED AT THIS TIME.

Bent 4 Footing

9-28-2021 UNDERWATER- FOOTING IS NOT EXPOSED AT THIS TIME.

Bent 5 Footing

9-28-2021 UNDERWATER- FOOTING IS NOT EXPOSED AT THIS TIME.

Bent 6 Footing

9-28-2021 UNDERWATER- FOOTING IS NOT EXPOSED AT THIS TIME.

Bent 7 Footing

9-28-2021 UNDERWATER- FOOTING IS NOT EXPOSED AT THIS TIME.

Bent 8 Footing

9-28-2021 UNDERWATER- FOOTING IS NOT EXPOSED AT THIS TIME.

Bent 9 Footing

9-28-2021 UNDERWATER- FOOTING IS NOT EXPOSED AT THIS TIME.

National Bridge and NC Inspection Items

Structure Number: 130367

Inspection Date: 04/28/2022

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	4
Item 59: Superstructure	0 - 9 , N	4
Item 60: Substructure	0 - 9 , N	5
Item 61: Channel and Channel Protection	0 - 9 , N	7
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:
Items 58,59,60,62 reflect this inspection only.

For overall NBI coding grade, see cover sheet.

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C	G		
Slope Protection	G, F, P, or C		0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation		G		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	F		
Superstructure Paint Code		A		

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	6
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	N
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	Y
Other Equipment Used	YES/NO	N
Portion of Structure in > 3' of water	YES/NO	

National Bridge and NC SMU Inspection Item Details

Structure Number: 130367

Inspection Date: 04/28/2022

Item	Response to live load	Grade	F	Maint Code		Qty.	0
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Details DEFLECTIONS UNDER HEAVY TRAFFIC LOADS

Item	General Comments and Misc Items	Grade		Maint Code		Qty.	0
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Details PARTIAL INSPECTION
CURRENT REHAB CONSTRUCTION
WILL NEED A SUPPLEMENTAL INSPECTION TO USE A SNOOPER TO FULLY INSPECT THE SUPERSTRUCTURE
AND SUBSTRUCTURE AND TO GET A STREAMBED SOUNDING



Bent 2 Abutment: 7' hairline horizontal cracks in Bay 1 (Bays 2 and 3 similar)



Bent 2 Cap 1: 11' up to 1/16" horizontal cracks under Bays 2 and 3



Bent 9 Cap 1: North face at West end, spall with exposed rebar and area of delamination [32in x 20in x 1- 3/4in deep] with two [2] exposed vertical rebar



Bent 9 Cap 1: North face under beam 2, spall with exposed rebar and area of delamination [34in x 32in x 1-1/2in deep]



Span 10 Wearing Surface: asphalt over end bent 2, multiple transverse cracks [up to full width x up to 1/4in]



Span 10 Wearing Surface: (2) up to 9'-6" x 4' x 2" deep area of missing asphalt wearing surface with exposed rebar
(PATCHED PRIOR TO 2022 INSPECTION)



Span 10 Wearing Surface: (2) up to 9'-6" x 4' x 2" deep area of missing asphalt wearing surface with exposed rebar (PATCHED PRIOR TO 2022 INSPECTION)



Span 10 Wearing Surface: (3) up to 8" x 6" x 1 1/2" deep area of missing asphalt wearing surface with exposed deck (PAR)



Span 10 Wearing Surface: (3) up to 8" x 6" x 1 1/2" deep area of missing asphalt wearing surface with exposed deck (PAR)



Span 10 Left Bridge Rail: 14" x 17" x 9" deep spall with exposed rebar on outside face of Post 5 (PAR)



Span 10 Expansion Joint: (2) up to 14" x 12" x 2" deep area of missing asphalt wearing surface with exposed rebar along Bent 9 joint (PAR)



Span 10 Expansion Joint: (2) up to 14" x 12" x 2" deep area of missing asphalt wearing surface with exposed rebar along Bent 9 joint (PAR)



Span 9 Wearing Surface: throughout Span, (22) sound patches [up to 18ft x 9ft]



Span 9 Wearing Surface: 1/2" TRANSVERSE CRACKING OVER BENT 8



Span 8 Wearing Surface: (25) up to 15' x 4' area of sound patches



Span 8 Wearing Surface: PAR: 18" DIAMETER X 2" DEEP POT HOLE WITH EXPOSED DECK IN LEFT LANE AT 25' FROM BENT 7



Span 8 Wearing Surface: [PAR] in both travel lanes, two [2] potholes in right travel lane near midspan: [12in diameter x up to 2in deep]; in left travel lane 20ft from bent 8 [1.5ft x 1ft x 2in deep] both exposing the top of deck



Span 9 Wearing Surface: [PAR] 13ft from bent 9 in West travel lane, pothole [8in diameter x 3in deep] exposing top of deck



Span 8 Wearing Surface: 1/4" TRANSVERSE CRACKING OVER BENT 7



Span 7 Wearing Surface: PAR: 12" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 10' FROM BENT 6 AND 1' FROM WHITE LINE



Span 7 Wearing Surface: [PAR] in LEFT travel lane, spall [9in x up to 9in x 2in deep] exposing the top of deck AT 6' FROM BENT 6 AND 2' FROM WHITE LINE



Span 7 Wearing Surface: asphalt over bent 6, multiple transverse cracks [up to full width x up to 1/4in]



Span 6 Wearing Surface: PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM BENT 5 AND 2' FROM CENTERLINE



Span 6 Expansion Joint: PAR: (2) up to 8' missing joint material IN BOTH LANES



Span 5 Wearing Surface: asphalt over bent 4, multiple transverse cracks [up to full width x up to 1/4in]



Span 4 Wearing Surface: asphalt over bent 3, multiple transverse cracks [up to full width x up to 1/4in]



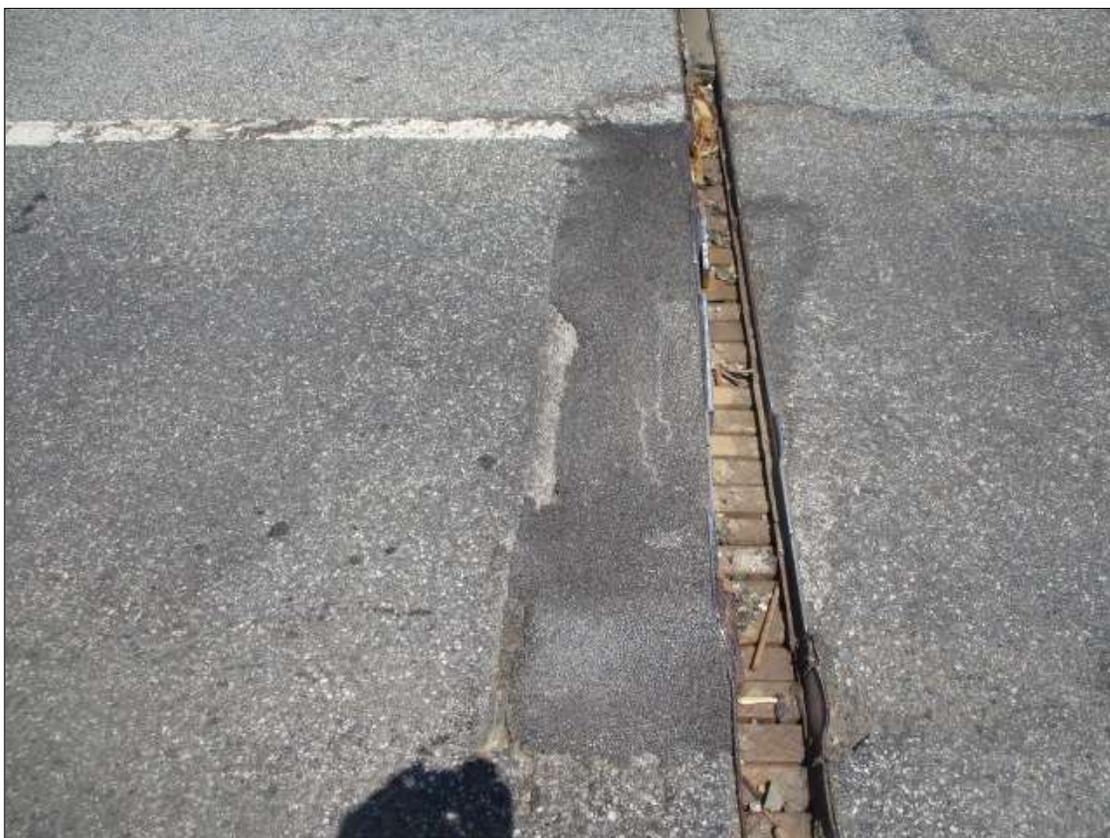
Span 3 Wearing Surface: asphalt over bent 2, multiple transverse cracks [up to full width x up to 1/4in]



Span 2 Expansion Joint: [PAR] in right travel lane near dashed line, seal completely missing and adjacent metal angle distorted and sharp



Span 2 Expansion Joint: [PAR] in right travel lane near dashed line, seal completely missing and adjacent metal angle distorted and sharp



Span 2 Wearing Surface: in right travel lane near bent 1, sound patch [4ft x 2ft]



Span 1 Wearing Surface: PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM END BENT 1 AND 4' FROM WHITE LINE



Span 1 Wearing Surface: asphalt over end bent 1 joint, alligator cracking [up to full width x up to 1/8in]



Bent 1 Cap 1: along length of cap below Bay 1, horizontal crack [up to 10ft x up to 1/16in] with 48" x 8" area of delamination



Bent 1 Cap 1: 22" x 33" x 1" deep spall and area of delamination on Span 1 face under Beam 3



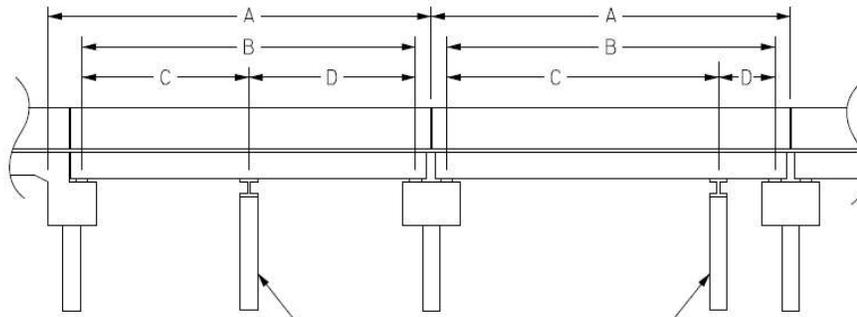
Bent 9 Cap 1: South face at beam 3, spall with exposed rebar [27in x 21in x up to 2in deep] with one [1] exposed vertical rebar

Structure Data Worksheet

Span Profile

County: **CALDWELL**

Structure Number: **130367**



A: SPAN LENGTH
 B: BEARING TO BEARING
 C: DISTANCE FROM NEAR BEARING
 D: DISTANCE TO FAR BEARING

Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	82.500	81.000			
2	82.500	81.000			
3	82.500	81.000			
4	82.500	81.000			
5	82.500	81.000			
6	82.500	81.000			
7	82.500	81.000			
8	82.500	81.000			
9	82.500	81.000			
10	82.500	81.000			



TYPICAL WINGWALL



UTILITIES IN LEFT OVERHANG



END BENT 2



TYPICAL INTERMEDIATE DIAPHRAGM



END BENT BEARING



UTILITY IN RIGHT OVERHANG



TYPICAL INTERIOR BENT



TYPICAL UNDERSIDE



TYPICAL UNDERDECK



TYPICAL GUARDRAIL END TREATMENT



TYPICAL APPROACH GUARDRAIL POST SPACING



NORTH APPROACH



BRIDGE PLAQUE



LOOKING NORTH FROM BRIDGE



JOINT OVER BENT 9



TYPICAL RAIL



LOOKING WEST UPSTREAM



LOOKING EAST DOWNSTREAM



JOINT OVER BENT 5



JOINT OVER BENT 1



LOOKING SOUTH FROM BRIDGE



TYPICAL GUARDRAIL CONNECTION



SOUTH APPROACH



END BENT 1



EAST ELEVATION



WEST ELEVATION



DANGER SIGNS ON EVERY BENT PILE



LOOKING WEST UPSTREAM UNDER BRIDGE

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 130367

County CALDWELL

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3310	Maintenance/Repair/Replacement of Standard Bridge Expansion Joints	LF	3	Span 2 Expansion Joint: [PAR] in right travel lane near dashed line, seal completely missing and adjacent metal angle distorted and sharp	
 2816	Asphalt Surface Repair or Replacement	SY	1	Span 1 Wearing Surface: PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM END BENT 1 AND 4' FROM WHITE LINE	
 2816	Asphalt Surface Repair or Replacement	SY	1	Span 6 Wearing Surface: PAR: 8" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM BENT 5 AND 2' FROM CENTERLINE	
 2816	Asphalt Surface Repair or Replacement	SY	1	Span 7 Wearing Surface: PAR: 12" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 10' FROM BENT 6 AND 1' FROM WHITE LINE	
 2816	Asphalt Surface Repair or Replacement	SY	1	Span 7 Wearing Surface: [PAR] in LEFT travel lane, spall [9in x up to 9in x 2in deep] exposing the top of deck AT 6' FROM BENT 6 AND 2' FROM WHITE LINE	
 2816	Asphalt Surface Repair or Replacement	SY	3	Span 8 Wearing Surface: PAR: 18" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED DECK IN LEFT LANE AT 25' FROM BENT 7	
 2816	Asphalt Surface Repair or Replacement	SY	2	Span 8 Wearing Surface: [PAR] in both travel lanes, two [2] potholes in right travel lane near midspan: [12in diameter x up to 2in deep]; in left travel lane 20ft from bent 8 [1.5ft x 1ft x 2in deep] both exposing the top of deck	
 2816	Asphalt Surface Repair or Replacement	SY	1	Span 9 Wearing Surface: [PAR] 13ft from bent 9 in West travel lane, pothole [8in diameter x 3in deep] exposing top of deck	
 2816	Asphalt Surface Repair or Replacement	SY	2	Span 10 Wearing Surface: (3) up to 8" x 6" x 1 1/2" deep area of missing asphalt wearing surface with exposed deck (PAR)	
 3310	Maintenance/Repair/Replacement of Standard Bridge Expansion Joints	LF	16	Span 6 Expansion Joint: PAR: (2) up to 8' missing joint material IN BOTH LANES	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 130367

County CALDWELL

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3318	Maint to Concrete Handrail	LF	2	Span 10 Left Bridge Rail: 14" x 17" x 9" deep spall with exposed rebar on outside face of Post 5 (PAR)	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 130367

County CALDWELL

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

MMS Code	MMS Description	Quantity
3310	Maintenance/Repair/Replacement of Standard Bridge Expansion Joints	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Critical Finding	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/28/2022	J. W. DOBBINS	
Details		
Span 2 Expansion Joint: [PAR] in right travel lane near dashed line, seal completely missing and adjacent metal angle distorted and sharp		

MMS Code	MMS Description	Quantity
2816	Asphalt Surface Repair or Replacement	1 SY
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/28/2022	J. W. DOBBINS	
Details		
Span 1 Wearing Surface: PAR: 8" DIAMETER X 2" DEEP POT HOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM END BENT 1 AND 4' FROM WHITE LINE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 130367

County CALDWELL

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

MMS Code	MMS Description	Quantity
2816	Asphalt Surface Repair or Replacement	1 SY
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/28/2022	J. W. DOBBINS	
Details		
Span 6 Wearing Surface: PAR: 8" DIAMETER X 2" DEEP POT HOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 15' FROM BENT 5 AND 2' FROM CENTERLINE		

MMS Code	MMS Description	Quantity
2816	Asphalt Surface Repair or Replacement	1 SY
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/28/2022	J. W. DOBBINS	
Details		
Span 7 Wearing Surface: PAR: 12" DIAMETER X 2" DEEP POT HOLE WITH EXPOSED TOP OF DECK IN LEFT LANE AT 10' FROM BENT 6 AND 1' FROM WHITE LINE		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 130367

County CALDWELL

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

MMS Code	MMS Description	Quantity
2816	Asphalt Surface Repair or Replacement	1 SY
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/28/2022	J. W. DOBBINS	
Details		
Span 7 Wearing Surface: [PAR] in LEFT travel lane, spall [9in x up to 9in x 2in deep] exposing the top of deck AT 6' FROM BENT 6 AND 2' FROM WHITE LINE		

MMS Code	MMS Description	Quantity
2816	Asphalt Surface Repair or Replacement	3 SY
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/28/2022	J. W. DOBBINS	
Details		
Span 8 Wearing Surface: PAR: 18" DIAMETER X 2" DEEP POTHOLE WITH EXPOSED DECK IN LEFT LANE AT 25' FROM BENT 7		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 130367

County CALDWELL

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

MMS Code	MMS Description	Quantity
2816	Asphalt Surface Repair or Replacement	2 SY
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/28/2022	J. W. DOBBINS	
Details		
<p>Span 8 Wearing Surface: [PAR] in both travel lanes, two [2] potholes in right travel lane near midspan: [12in diameter x up to 2in deep]; in left travel lane 20ft from bent 8 [1.5ft x 1ft x 2in deep] both exposing the top of deck</p>		

MMS Code	MMS Description	Quantity
2816	Asphalt Surface Repair or Replacement	1 SY
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/28/2022	J. W. DOBBINS	
Details		
<p>Span 9 Wearing Surface: [PAR] 13ft from bent 9 in West travel lane, pothole [8in diameter x 3in deep] exposing top of deck</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 130367

County CALDWELL

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

MMS Code	MMS Description	Quantity
2816	Asphalt Surface Repair or Replacement	2 SY
Location:		
Bent/Span No.		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification
Submitted Date:	Submitted By:	Assisted By:
04/28/2022	J. W. DOBBINS	
Details		
Span 10 Wearing Surface: (3) up to 8" x 6" x 1 1/2" deep area of missing asphalt wearing surface with exposed deck (PAR)		

MMS Code	MMS Description	Quantity
3310	Maintenance/Repair/Replacement of Standard Bridge Expansion Joints	16 LF
Location:		
Bent/Span No.		
Priority Level		Status
Priority Maintenance		Division Bridge Maintenance Notification
Submitted Date:	Submitted By:	Assisted By:
04/28/2022	J. W. DOBBINS	
Details		
Span 6 Expansion Joint: PAR: (2) up to 8' missing joint material IN BOTH LANES		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 130367

County CALDWELL

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

MMS Code	MMS Description	Quantity
3318	Maint to Concrete Handrail	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/28/2022	J. W. DOBBINS	
Details		
Span 10 Left Bridge Rail: 14" x 17" x 9" deep spall with exposed rebar on outside face of Post 5 (PAR)		

Bridge Inspection Field Sketch



Measurements Taken 20ft North* of Bridge

Roadway	24ft Wide	2 Paved Lanes	Looking South
Left Shoulder	2.5ft Wide *	1ft Paved	1.5ft Unpaved *
Right Shoulder	2.5ft Wide *	1ft Paved	1.5ft Unpaved *
Left Guardrail	2.5ft from road		
Right Guardrail	2.5ft from road		

* MEASUREMENT MODIFIED

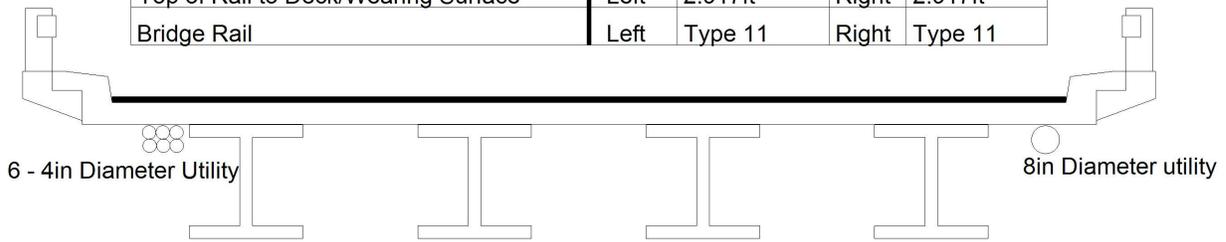
MEASUREMENTS VERIFIED 2-28-22 JWD

SKETCH MODIFIED 4/22/20 BY JMS

Title Approach Roadway Sketch		Description Data Worksheet	
Bridge No: 130367	Drawn By: G.R.R.	Date: 08/04/2008	File Name: S0130000710

Bridge Inspection Field Sketch

Deck Width/Out to Out	33.416ft *	Between Rails	31.250ft
Clear Roadway	28.0ft	Wearing Surface	0.167ft
Median Width		Median Height	
Curb Height		Left 0.667ft	Right 0.667ft
Sidewalk Width		Left	Right
Clear Roadway (Rail to Median)		Left	Right
Guardrail Width		Left 2.708ft *	Right 2.708ft *
Top of Rail to Deck/Wearing Surface		Left 2.917ft	Right 2.917ft
Bridge Rail		Left Type 11	Right Type 11

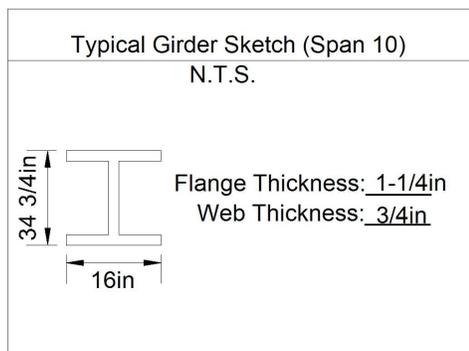


Measurements for Span #	1		
Deck Thickness	0.645	Left Overhang	4.708 *
Top of Rail to Bottom of Beam	6.583	Right Overhang	4.708 *

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

Span 2 - 5 and 6 - 9 are continuous

* MEASUREMENT MODIFIED

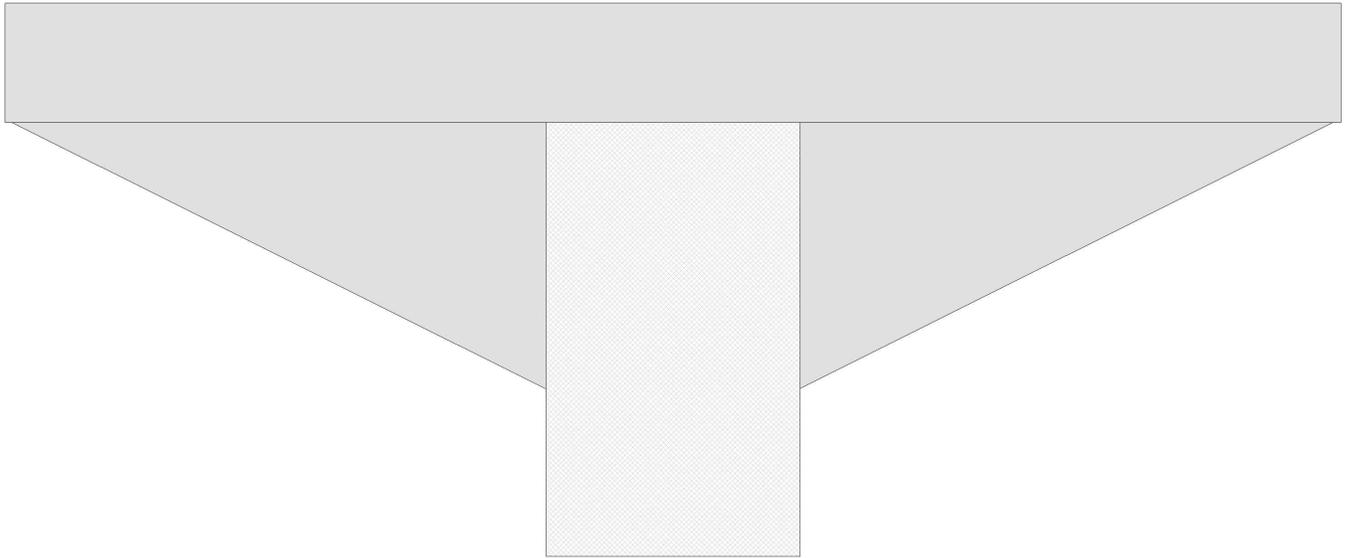


MEASUREMENTS VERIFIED 4-28-22 JWD

SKETCH MODIFIED 4/22/20 BY JMS

Title		Description	
Typical Section Sketch		Data Worksheet	
Bridge No: 130367	Drawn By: DCW	Date: 08/04/2008	File Name: S0126000715

Bridge Inspection Field Sketch



Cap Information			Material Cast-in-Place Concrete							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
28.000 ft.	3.000 ft.	2.500 ft.	14.000 ft.	14.000 ft.	2.000 ft.	2.000 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete		5.33 ft.			Vertical	No	No	No	No
Bent #: 1		Similar Bents: 2 THRU 9								

9-28-2021 UNDERWATER INSPECTED BENTS 1 THRU 9 FROM MUDLINE TO WATER SURFACE

SKETCH VERIFIED 4/22/20 BY JMS

Title Typical Bent Sketch			Description Data Worksheet			
Bridge No: 130367	Drawn By: JEK	Date: 4/15/2016	File Name: S0630000025			

Bridge Inspection Field Sketch

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Title

130367

Description

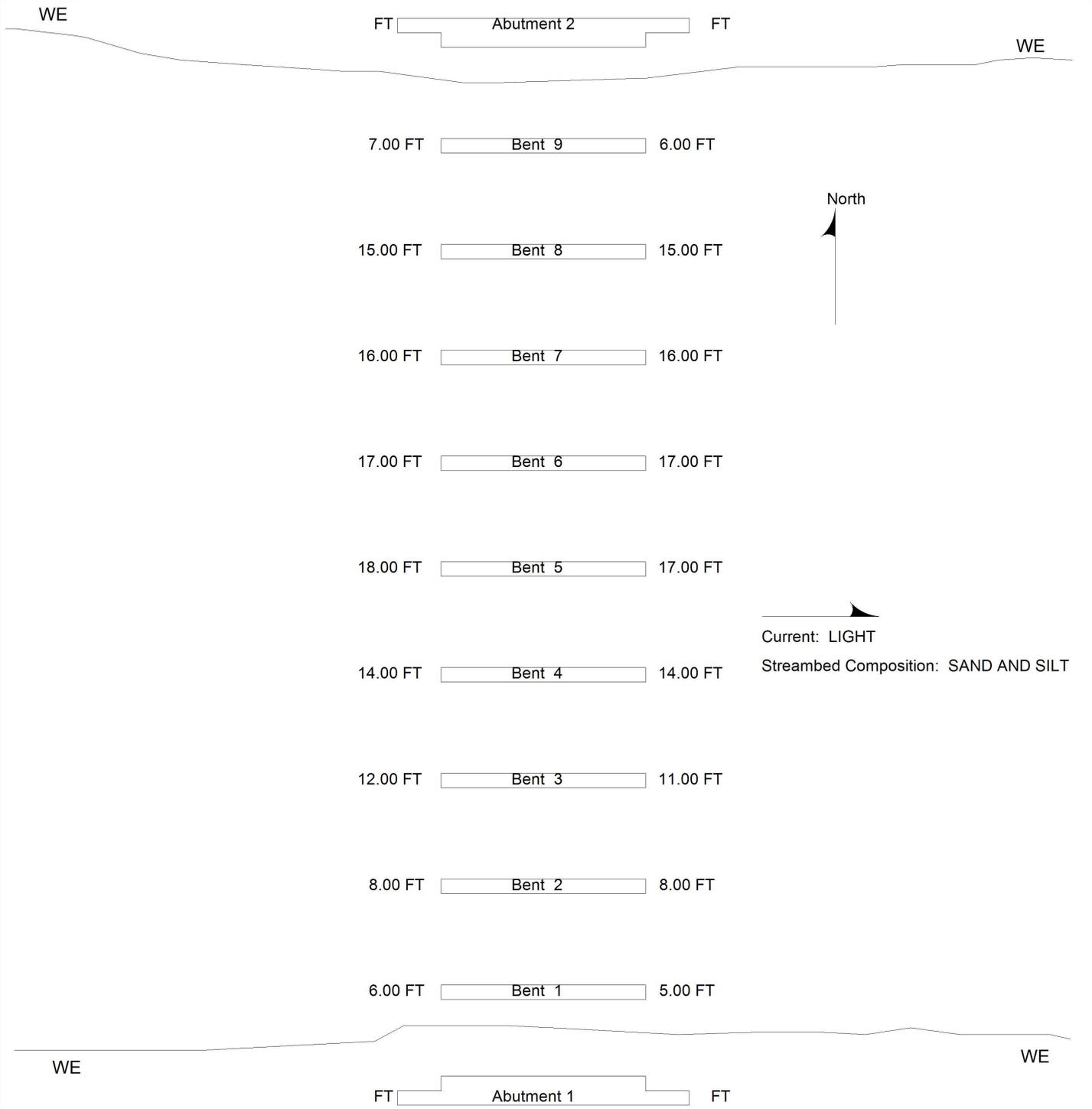
Bridge No: 130367

Drawn By: John Houston

Date: 12/07/2005

File Name: S015000038

Bridge Inspection Field Sketch



9-28-2021 UNDERWATER INSPECTED BENTS 1 THRU 9 FROM MUDLINE TO WATER SURFACE
VERIFIED 9-28-2021 JCH

Title PLAN VIEW		Description PLAN VIEW	
Bridge No: 130367	Drawn By: JOHN HOUSTON	Date: 09/21/2017	File Name: S0150000133