NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: prompt action request; sketches revised; span 3 clearances revised

Structure Safety Report

Routine Element Inspection - Contract

STRUCTURE NUMBER: 110025 **SAP STRUCTURE NO:** 0120025 **FHWA STRUCTURE NO:** 000000000230025

DIVISION: 13 **COUNTY:** BURKE **INSPECTION DATE:** 08/28/2023 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: US64 **MILE POST:**

LOCATION: .22 MI.S.JCT.SR2013

FEATURE INTERSECTED: I-40

LATITUDE: 35° 43' 9.07" **LONGITUDE:** 81° 41' 38.57"

SUPERSTRUCTURE: REINFORCED CONCRETE DECK GIRDER

SUBSTRUCTURE: E.BTS:RC CAPS/PPC PILES;BTS:RC POST&BEAM

SPANS: 4 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

☐ FRACTURE CRITICAL ☐ TEMPORARY SHORING ☐ SCOUR CRITICAL ☐ SCOUR PLAN OF ACTION

GRADES: (Inspector/NBI Coding) **DECK** 6 / 6 **SUPERSTRUCTURE** 5 / 5 **SUBSTRUCTURE** 5 / 5 **CULVERT** N / N

POSTED SV: Not Posted **POSTED TTST:** Not Posted

OTHER SIGNS PRESENT: none

south approach looking north

Sign noticed issued for		Number Required
NO	**WEIGHT LIMIT**	0
NO	**DELINEATORS**	0
NO	**NARROW BRIDGE**	0
NO	**ONE LANE BRIDGE**	0
NO	**LOW CLEARANCE**	0

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS

INSPECTED BY	SIGNATURE	ASSISTED BY
Hector Bonilla	Hector Bonilla	Juan Rodriguez

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

11/17/2023

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE **110025**
(8) STRUCTURE NUMBER (FEDERAL) **0230025**
(5) INVENTORY ROUTE (ON/UNDER) ON **121000640**
(2) STATE HIGHWAY DEPARTMENT DISTRICT **13**
(3) COUNTY CODE (FEDERAL) **23** (4) PLACE CODE **44400**
(6) FEATURE INTERSECTED **I-40**
(7) FACILITY CARRIED **US64**
(9) LOCATION **.22 MI.S.JCT.SR2013**
(11) MILEPOINT **0.0**
(12) BASE HIGHWAY NETWORK **1**
(13) LRS INVENTORY ROUTE & SUBROUTE **20064**
(16) LATITUDE **35° 43' 9.07"** (17) LONGITUDE **81° 41' 38.57"**
(98) BORDER BRIDGE STATE CODE PERCENT SHARED
(99) BORDER BRIDGE STRUCTURE NUMBER

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN **Concrete**
TYPE **Tee Beam** CODE **104**
(44) STRUCTURE TYPE APPROACH
TYPE CODE
(45) NUMBER OF SPANS IN MAIN UNIT **4**
(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**

AGE AND SERVICE

(27) YEAR BUILT **1957**
(106) YEAR RECONSTRUCTED **0**
(42) TYPE OF SERVICE ON - **Overpass Structure**
OFF - **Highway** CODE **61**
(28) LANES ON STRUCTURE **5** LANES UNDER STRUCTURE **4**
(29) AVERAGE DAILY TRAFFIC **26000**
(30) YEAR OF ADT **2022** (109) TRUCK ADT PCT **12**
(19) BYPASS OR DETOUR LENGTH **0.0**

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN **56.0**
(49) STRUCTURE LENGTH **213.0**
(50) CURB OR SIDEWALK: LEFT **2.9** RIGHT **3.3**
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB **56.0**
(52) DECK WIDTH OUT TO OUT **65.9**
(32) APPROACH ROADWAY WITH (W/ SHOULDERS) **57.0**
(33) BRIDGE MEDIAN **Closed Median (no barrier)** CODE **2**
(34) SKEW **7** (35) STRUCTURE FLARED **0**
(10) INVENTORY ROUTE MIN VERT CLEAR **999.9**
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR **56.0**
(53) MIN VERT CLEAR OVER BRIDGE RDWY **999.9**
(54) MIN VERT UNDERCLEAR: REFERENCE **H** **14.9**
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE **H** **16.2**
(56) MIN LAT UNDERCLEARANCE LT: **13.6**

NAVIGATION DATA

(38) NAVIGATION CONTROL - CODE **N**
(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**

SUFFICIENCY RATING **66.00**
STATUS =

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 **No parallel structure exists** **N**
(102) DIRECTION OF TRAFFIC **2-way traffic** **2**
(103) TEMPORARY STRUCTURE
(110) DESIGNATED NATIONAL NETWORK - **on natiional network for trucks** **1**
(20) TOLL **On Free Road** **3**
(21) MAINT - **01**
(22) OWNER - **01**
(37) HISTORICAL SIGNIFICANCE - **5**

CONDITION — CODE

(58) DECK **6**
(59) SUPERSTRUCTURE **5**
(60) SUBSTRUCTURE **5**
(61) CHANNEL & CHANNEL PROTECTION **N**
(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-34** **62**
(65) INVENTORY RATING METHOD - **1**
(66) INVENTORY RATING **HS-21** **37**
(70) BRIDGE POSTING **No Posting Required** **5**
(41) STRUCTURE OPEN, POSTED, OR CLOSED **A**
DESCRIPTION **Open, no restriction**

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION **5**
(68) DECK GEOMETRY **2**
(69) UNDERCLEARANCES, VERT & HORIZ **3**
(71) WATERWAY ADEQUACY **N**
(72) APPROACH ROADWAY ALIGNMENT **8**
(36) TRAFFIC SAFETY FEATURES **0111**
(113) SCOUR CRITICAL BRIDGES **N**

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 **52,000** YEAR OF FUTURE ADT **2040**

INSPECTION

(90) INSPECTION DATE **08/23** (91) FREQUENCY **24**
(92) CRITICAL FEATURE INSPECTION (93) CFI DATE
A) FRACTURE CRIT DETAIL A)
B) UNDERWATER INSP B)
C) OTHER SPECIAL INSP C)
SCOUR

Structure Number **110025** County **BURKE** Run Date **11/17/2023**

Span Number	Facility Carried	Inventory Route	Maximum Minimum Vertical Clearance	Milepoint	Base Highway	LRS Inventory Route	Functional Classification	Number of Lanes	Average Daily Traffic	Year of Average Daily Traffic	Total Horizontal Clearance	*See Note Below*					STRAHNET Highway	Direction of Traffic	National Highway System	National Truck Network
												Reference Feature	Minimum Vertical Underclearance	Rigth Lateral Underclearance	Left Lateral Underclearance	Underclearance Appraisal Grade				
	7	5	10	11	12	13	26	28	29	30	47	54A	54	55	56	69	100	102	104	110
2	I 40 E	11000400	17.8	103.1	1	10040	11	2	23000	2015	41.7	H	16.9	16.4	13.2	6		1	☐	☐
3	I 40 W	11000400	15.8	103.1	1	10040	11	2	23000	2015	42.1	H	14.9	16.8	12.8	3		1	☐	☐

Note: Items 54, 55, and 56 are not reported FHWA under route data points but are collected for each under route to determine the minimum value for Underclearance Appraisal Item 69.

Superstructure Build Details

Span Number 1 **Span Length** 57.000 **Skew** 83.000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	3648	Square Feet		
10	Fixed Bearing	Fixed Bearing	10	Each	WS Uncoated	10
1	Asphalt Wearing Surface	Wearing Surface	3192	Square Feet		
1	Steel Rail	Metal Bridge Railing	57	Feet	Unknown	171
10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	570	Feet		
10	Movable Bearing	Movable Bearing	10	Each	WS Uncoated	10
1	Concrete Railing	Reinforced Concrete Bridge Railing	57	Feet		

Span Number 2 **Span Length** 57.000 **Skew** 83.000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
10	Movable Bearing	Movable Bearing	10	Each	WS Uncoated	10
10	Fixed Bearing	Fixed Bearing	10	Each	WS Uncoated	10
1	Standard Joint	Pourable Joint Seal	61	Feet		
10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	570	Feet		
1	Asphalt Wearing Surface	Wearing Surface	3192	Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	3648	Square Feet		
1	Concrete Railing	Reinforced Concrete Bridge Railing	57	Feet		
1	Steel Rail	Metal Bridge Railing	57	Feet	Unknown	171

Span Number 3 **Span Length** 57.000 **Skew** 83.000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
10	Movable Bearing	Movable Bearing	10	Each	WS Uncoated	10
10	Fixed Bearing	Fixed Bearing	10	Each	WS Uncoated	10

Superstructure Build Details

1	Steel Rail	Metal Bridge Railing	57	Feet	Unknown	171
1	Concrete Railing	Reinforced Concrete Bridge Railing	57	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	3648	Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	3192	Square Feet		
1	Standard Joint	Pourable Joint Seal	61	Feet		
10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	570	Feet		

Span Number 4 **Span Length** 41.920 **Skew** 83.000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
10	Movable Bearing	Movable Bearing	10	Each	WS Uncoated	10
1	Concrete Railing	Reinforced Concrete Bridge Railing	42	Feet		
10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	420	Feet		
1	Asphalt Wearing Surface	Wearing Surface	2348	Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2683	Square Feet		
1	Standard Joint	Pourable Joint Seal	61	Feet		
10	Fixed Bearing	Fixed Bearing	10	Each	WS Uncoated	10
1	Steel Rail	Metal Bridge Railing	42	Feet	Unknown	126

Structure Element Scoring

Structure Number: **110025**

Inspection Date **8/28/2023**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12		Reinforced Concrete Deck	Deck	13,627	13,121	503	3	0
110		Reinforced Concrete Open Girder/Beam	Beam	2,130	2,014	92	16	8
205		Reinforced Concrete Column	Piles and Columns	12	4	1	7	0
215		Reinforced Concrete Abutment	Abutments	136	131	0	5	0
220		Reinforced Concrete Pile Cap/Footing	Footing	30	30	0	0	0
226		Prestressed Concrete Pile	Piles and Columns	26	26	0	0	0
234		Reinforced Concrete Pier Cap	Caps	323	133	23	151	16
301		Pourable Joint Seal	Expansion Joints	183	183	0	0	0
311		Movable Bearing	Bearing Device	40	0	3	37	0
515	311	Steel Protective Coating	Bearing Device	40	0	0	0	40
313		Fixed Bearing	Bearing Device	40	4	15	21	0
515	313	Steel Protective Coating	Bearing Device	40	3	0	13	24
330		Metal Bridge Railing	Bridge Rail	213	0	213	0	0
515	330	Steel Protective Coating	Bridge Rail	639	89	0	550	0
331		Reinforced Concrete Bridge Railing	Bridge Rail	213	184	14	15	0
510		Wearing Surface	Wearing Surfaces	11,924	11,484	0	440	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **110025** Inspection Date: **08/28/2023**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	5 Square Feet
3326	Reinforced Concrete Deck	Cracking (RC and Other)	500 Square Feet
3326	Reinforced Concrete Deck	Exposed Rebar	1 Square Feet
3306	Reinforced Concrete Open Girder/Beam	Exposed Rebar	73 Feet
3306	Reinforced Concrete Open Girder/Beam	Patched Area	1 Feet
3306	Reinforced Concrete Open Girder/Beam	Delamination/Spall	25 Feet
3306	Reinforced Concrete Open Girder/Beam	Cracking (RC and Other)	54 Feet
3306	Reinforced Concrete Open Girder/Beam	Efflorescence/Rust Staining	30 Feet
3348	Reinforced Concrete Column	Efflorescence/Rust Staining	3 Each
3348	Reinforced Concrete Column	Delamination/Spall	4 Each
3350	Reinforced Concrete Abutment	Settlement	1 Feet
3350	Reinforced Concrete Abutment	Cracking (RC and Other)	4 Feet
3348	Reinforced Concrete Pier Cap	Exposed Rebar	26 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	36 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	4 Feet
3348	Reinforced Concrete Pier Cap	Efflorescence/Rust Staining	59 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	74 Feet
3334	Movable Bearing	Connection	2 Each
3334	Movable Bearing	Corrosion	35 Each
3334	Fixed Bearing	Corrosion	20 Each
3318	Reinforced Concrete Bridge Railing	Patched Area	13 Square Feet
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	2 Feet
2816	Wearing Surface	Crack (Wearing Surface)	440 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	627 Square Feet

Element Structure Maintenance Quantities

Structure Number: **110025** Inspection Date **08/28/2023**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Beam	3306	Maintenance Concrete Superstructure Components	183	2130	8.000	16.000	92.000	2014.000
Bearing Device	3334	Bridge Bearing	37	40	0.000	37.000	3.000	0.000
Bearing Device	3334	Bridge Bearing	20	40	0.000	21.000	15.000	4.000
Bearing Device	3342	Clean and Paint Steel	40	40	40.000	0.000	0.000	0.000
Bearing Device	3342	Clean and Paint Steel	37	40	24.000	13.000	0.000	3.000
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	15	213	0.000	15.000	14.000	184.000
Bridge Rail	3322	Maintenance of Steel Bridge Rail	0	213	0.000	0.000	213.000	0.000
Bridge Rail	3342	Clean and Paint Steel	550	639	0.000	550.000	0.000	89.000
Deck	3326	Maintenance of Concrete Deck	506	13627	0.000	3.000	503.000	13121.000
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	183	0.000	0.000	0.000	183.000
Wearing Surfaces	2816	Asphalt Surface Repair	440	11924	0.000	440.000	0.000	11484.000
Abutments	3350	Maintenance of Concrete Wings and Wall	5	136	0.000	5.000	0.000	131.000
Caps	3348	Maintenance of Concrete Substructure	199	323	16.000	151.000	23.000	133.000
Footing	3348	Maintenance of Concrete Substructure	0	30	0.000	0.000	0.000	30.000
Piles and Columns	3348	Maintenance of Concrete Substructure	7	12	0.000	7.000	1.000	4.000
Piles and Columns	3348	Maintenance of Concrete Substructure	0	26	0.000	0.000	0.000	26.000

Priority Actions Request

Structure Number 110025

Span1

3306 **Beam 3** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 1 Beam 3: (PAR) at bent 1, west face, spall/delamination (8 inch x 24 inch x 1/2 inch deep) with exposed rusted rebar with (approximately 25 percent loss)

3306 **Beam 5** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Span 1 Beam 5: (PAR) at bent 1, bay 5 end diaphragm, spall/delamination (full length x full width x up to full height x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)

3306 **Beam 6** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 1 Beam 6: (PAR) at bent 1, west face, spall/delamination (5 inch x 30 inch x 1/2 inch deep) with exposed rusted rebar (approximately 25 percent loss)

3306 **Beam 7** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Span 1 Beam 7: (PAR) at bent 1, bay 7 end diaphragm, spall/delamination (full length x full width x up to full height x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)

3306 **Beam 9** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Span 1 Beam 9: (PAR) at bent 1, bay 9 end diaphragm, spall/delamination (full length x full width x up to full height x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Span2

3326 **Deck** Reinforced Concrete Deck

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	2	Span 2 Deck: (PAR) underside of deck in bay 9 near bent 1, (2) spalls (up to 18 inch x 1 foot x 1 inch deep) with exposed rusted rebar

3306 **Beam 1** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description

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

Priority Actions Request

Structure Number 110025

2	Exposed Rebar	6	Span 2 Beam 1: (PAR) FULL LENGTH X FULL WIDTH X 4 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 2 DIAPHRAGM, BAY 1.

3306 **Beam 3** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Span 2 Beam 3: (PAR) FULL LENGTH X FULL WIDTH X 4 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED RUSTED REBAR WITH APPROXIMATELY 25 PERCENT LOSS IN BAY 3 DIAPHRAGM AT BENT 2.
2	Exposed Rebar	6	Span 2 Beam 3: (PAR) FULL LENGTH X FULL WIDTH X 8 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED RUSTED REBAR WITH APPROXIMATELY 25 PERCENT LOSS IN BAY 3 DIAPHRAGM AT BENT 1.

3306 **Beam 5** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 2 Beam 5: (PAR) FULL LENGTH X FULL WIDTH X 10 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 2 DIAPHRAGM, BAY 5.
2	Exposed Rebar	6	Span 2 Beam 5: (PAR) FULL LENGTH X FULL WIDTH X 8 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 1 DIAPHRAGM, BAY 5.

3306 **Beam 7** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 2 Beam 7: (PAR) SPAN 2 BEAM 7 WEST WEB OVER BENT 2. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR EXPOSED. AREA IS: 7 INCH X 32 INCH X 3/4 INCH DEEP. WITH EXPOSED RUSTED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS

Span3

3306 **Beam 1** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 3 Beam 1: (PAR) 10 INCH X 39 INCH X 1 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, EAST FACE OF WEB, AT BENT 3.
2	Efflorescence/Rust	6	Span 3 Beam 1: (PAR) at bent 3, bay 1 end diaphragm, delamination (full width x full height) with cracks (up to 1/2 inch deep) with rust stains

3306 **Beam 2** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Efflorescence/Rust	6	Span 3 Beam 2: (PAR) at bent 3, bay 2 end diaphragm, delamination (full width x 8 inch) with cracks (up to 1/2 inch deep) with rust stains
2	Exposed Rebar	6	Span 3 Beam 2: (PAR) at bent 2, bay 2 end diaphragm, spall/delamination (full length x full width x 8 x 2 inch deep) with exposed rusted rebar (approximately 25

Priority Actions Request

Structure Number 110025

percent loss)

3306 **Beam 3** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
1	Efflorescence/Rust	6	Span 3 Beam 3: (PAR) at bent 3, bay 3 end diaphragm, delamination (full width x 8 inch) with cracks (up to 1/4 inch deep) with rust stains

3306 **Beam 4** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
1	Efflorescence/Rust	6	Span 3 Beam 4: (PAR) at bent 3, bay 4 end diaphragm, delamination (full width x 5 inch) with cracks (up to 1/4 inch deep) with rust stains

3334 **Beam 6** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Connection	1	Span 3 Beam 6 - Far Bearing 6: (PAR) active corrosion with section loss [up to 1/16 inch loss on plates]; east guide rail, sheared

3306 **Beam 8** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Span 3 Beam 8: (PAR) at bent 2, bay 8 end diaphragm, spall/delamination (full length x full width x 8 x 2 inch deep) with exposed rusted rebar (approximately 25 percent loss)

3306 **Beam 9** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Span 3 Beam 9: (PAR) 6 FOOT X 1 FOOT X 8 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 2 DIAPHRAGM, BAY 9.

Span4

3326 **Deck** Reinforced Concrete Deck

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	3	Span 4 Deck: (PAR) along underside left overhang, three [3] spalls [up to 6 inch diameter x 1/2 inch deep] with exposed rusted reinforcing [no loss noted]
2	Exposed Rebar	1	Span 4 Deck: (PAR) under bay 1 at 6 foot from end bent 2, spall [10 inch x 11 inch x up to 1 inch deep] with exposed rusted reinforcing [loss up to 1/16 inch]

3306 **Beam 2** Reinforced Concrete Girder

Priority Actions Request

Structure Number 110025

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 4 Beam 2: (PAR) at near end, east face, spall/delamination [18 inch x 18 inch x up to 2 inch deep] with exposed rusted reinforcing [section loss up to 1/16 inch]

3306 **Beam 6** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 4 Beam 6: (PAR) SPAN 4 BEAM 6 EAST WEB OVER BENT 3. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR WITH APPROXIMATELY 25 PERCENT LOSS AND RUST STAINS VISIBLE. AREA IS: 5 INCH X 32 INCH X 4 INCH DEEP.
2	Connection	1	Span 4 Beam 6 - Near Bearing 6: (PAR) active corrosion with section loss [up to 1/16 inch loss on plates]; east guide rail, sheared

3306 **Beam 7** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	2	Span 4 Beam 7: (PAR) SPAN 4 BEAM 7 WEST WEB OVER BENT 3. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR EXPOSED WITH APPROXIMATELY 25 PERCENT LOSS. AREA IS: 20 INCH X 15 INCH X 2 INCH DEEP.

3306 **Beam 8** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 4 Beam 8: (PAR) at bent 3, west face, spall/delamination (17 inch x 15 inch x 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss)

3306 **Beam 9** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Efflorescence/Rust Staining	6	Span 4 Beam 9: (PAR) FULL LENGTH X 8 INCH X FULL WIDTH FAILED PATCH/DELAMINATION WITH CRACKS (UP TO 1/4 INCH) WITH RUST STAINS, IN BENT 3 DIAPHRAGM, BAY 9

3306 **Beam 10** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	3	Span 4 Beam 10: (PAR) 2.5 FOOT X 2.5 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REBAR [SECTION LOSS UP TO 1/16 INCH DEEP], EAST AND BOTTOM FACES, AT BENT 3.

Bent 1

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description

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

Priority Actions Request

Structure Number **110025**

2	Efflorescence/Rust	8	End Bent 1 Cap 1: (PAR) END BENT 1 CAP HAS A DELAMINATION 8 FOOT X 6 INCH X 6 INCH WITH CRACKS UP TO 1/4 INCH CRACKS WITH EFFLORESCENCE AND RUST STAINS VISIBLE, UNDER BAY 9.

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Efflorescence/Rust	30	Bent 1 Cap 1: (PAR) underside of cap between columns, delaminations (up to 10 foot x full width) extending into vertical faces (up to 1 foot) with cracks (up to 1/8 inch) with rust stains

3348 **Pile 4** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
2	Efflorescence/Rust	1	Bent 1 Pile 4: (PAR) (2)- UP TO 5 FOOT X 1/32 INCH VETICAL CRACKS WITH RUST STAIN, EAST FACE, BEGINNING AT BOTTOM OF CAP.

Bent 2

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	10	Bent 2 Cap 1: (PAR) 5 FOOT X 1 FOOT X UP TO 3 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS AND MULTIPLE DELAMINATIONS (UP TO 10 FOOT X FULL WIDTH OF BOTTOM X UP TO FULL HEIGHT) WITH CRACKS UP TO 1/8 INCH AND RUST STAINS, SOUTH, NORTH AND BOTTOM FACES, BETWEEN PILES 2 AND 3.
2	Exposed Rebar	1	Bent 2 Cap 1: (PAR) 6 INCH DIAMETER X 1 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, SOUTH FACE, UNDER BEAM 2.
2	Efflorescence/Rust	8	Bent 2 Cap 1: (PAR) 8 FOOT X 3 FOOT DELAMINATION WITH MAP CRACKING UP TO 1/16 INCH WITH RUST STAINS, BOTTOM FACE, BETWEEN PILES 1 AND 2.
2	Exposed Rebar	10	Bent 2 Cap 1: (PAR) [3 FOOT X UP TO 20 INCH X 5 INCH] DEEP SPALL WITH EXPOSED PRIMARY REINFORCING [SECTION LOSS UP TO 1/8 INCH], NORTH AND BOTTOM FACES, BETWEEN PILES 3 AND 4 WITH ADJACENT DELAMINATIONS [UP TO 10 FOOT X FULL WIDTH OF BOTTOM], EXTENDS UP TO FULL HEIGHT OF SOUTH FACE

3350 **Abutment** Reinforced Concrete Abutment

Priority Level	Defect Type	Quantity	Defect Description
2	Settlement	1	End Bent 2 Abutment: (PAR) SOIL INFILTRATION THROUGH UTILITY ACCESS HOLE, BAY 9.

Bent 3

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Actions Request

Structure Number **110025**

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	5	Bent 3 Cap 1: (PAR) south face in bay 6, failed patch (5 foot x full height x 3 inch deep) with exposed rusted rebar (approximately 25 percent loss)
2	Delamination/Spall	24	Bent 3 Cap 1: (PAR) underside of cap between all piles, delaminations/spalls [up to 8 foot x full width x 2 inch deep], extend up vertical face (4 inch) with cracks (up to 1/4 inch)
2	Efflorescence/Rust Staining	7	Bent 3 Cap 1: (PAR) BENT 3 CAP NORTH FACE BAY 6. FAILED PATCH [7 FOOT X UP TO 40 INCH] WITH MULTIPLE ADJACENT DELAMINATION [UP TO 28 INCH X 18 INCH], RUST STAIN AND EFFLORESCENCE
2	Efflorescence/Rust Staining	6	Bent 3 Cap 1: (PAR) BENT 3 CAP TOP AND SOUTH FACE BAY 9. HAS AN UNSOUND PATCHED AREA 6 FOOT X 8 INCH X 12 INCH WITH SCATTERED HAIRLINE CRACKS, EFFLORESCENCE AND RUST STAINS

3348 **Pile 1** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
2	Efflorescence/Rust Staining	1	Bent 3 Pile 1: (PAR) MULTIPLE UP TO 3 FOOT X 1/16 INCH VERTICAL CRACKS WITH RUST STAINING, AT RANDOM THROUGHOUT.

3348 **Pile 4** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
1	Efflorescence/Rust Staining	1	Bent 3 Pile 4: (PAR) MULTIPLE UP TO FULL HEIGHT X 1/16 INCH VETICAL CRACKS WITH RUST STAINING, AT RANDOM THROUGHOUT.

Approach Guardrail and Barriers

3120 **Approach Guardrail and Barriers** Approach Guardrail and Barriers

Priority Level	Defect Type	Quantity	Defect Description
2		1	(PAR) northwest guardrail attachment, (2) missing/detached bolts
2		10	(PAR) northwest guardrail near termination, (2) areas of impact damage (up to 10 foot); 18 foot total
2		0	(PAR) span 4, bay 9 utility, near half, broken/cracked

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

Element Condition and Maintenance Data

Structure Number: **110025** Inspection Date: **08/28/2023**

Span 1 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	3,648	3,148	500	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 12	Cracking (RC and Other)	SPAN 1 BOTTOM OF DECK HAS SCATTERED CRACKS UP TO 1/32 INCH WITH SOME EFFLORESCENCE VISIBLE	2	500	500	Square Feet

General Comments

Span 1 Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	47	10	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 110	Cracking (RC and Other)	along the length of the beam, vertical cracks (up to 1/32 inch x full height) at random	2	10		Feet

General Comments

Span 1 Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	56	0	0	1	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 110	Exposed Rebar	(PAR) at bent 1, west face, spall/delamination (8 inch x 24 inch x 1/2 inch deep) with exposed rusted rebar with (approximately 25 percent loss)	4	1	1	Feet

General Comments

Span 1 Beam 5

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	57	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 110	Exposed Rebar	(PAR) at bent 1, bay 5 end diaphragm, spall/delamination (full length x full width x up to full height x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)	4		6	Feet

General Comments

Span 1 Beam 6

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	56	0	0	1	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 110	Exposed Rebar	(PAR) at bent 1, west face, spall/delamination (5 inch x 30 inch x 1/2 inch deep) with exposed rusted rebar (approximately 25 percent loss)	4	1	1	Feet

General Comments

Span 1 Beam 7

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	56	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 110	Exposed Rebar	(PAR) at bent 1, bay 7 end diaphragm, spall/delamination (full length x full width x up to full height x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)	4		6	Feet
☑ 110	Cracking (RC and Other)	at bent 1, both faces, delamination (up to 5 inch x 8 inch) with cracks (up to 1/8 inch)	3	1	1	Feet

General Comments

Span 1 Beam 9

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	47	10	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 110	Exposed Rebar	(PAR) at bent 1, bay 9 end diaphragm, spall/delamination (full length x full width x up to full height x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)	4		6	Feet
☑ 110	Cracking (RC and Other)	along the length of the beam, vertical cracks (up to 1/32 inch x full height) at random	2	10		Feet

General Comments

Span 1 Beam 10

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	15	42	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 110	Cracking (RC and Other)	along length, multiple vertical cracks [up to full height x 1/32 inch]	2	40		Feet

☑ **110**	Patched Area	10.5 foot from end bent 1, underside, patched area (2 foot x 8 inch)	2	2		Feet

General Comments

Span 1 — Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	57	0	57	0	0	Feet
515	Steel Protective Coating	171	21	0	150	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **330**	Corrosion	surface rust at random	2	57		Square Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	surface rust	3	150	150	Square 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	57	55	0	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **331**	Patched Area	SPAN 1 RIGHT RAIL HAS (2) PATCHED AREAS UP TO 8 INCH X 1 FOOT, WITH HAIRLINE CRACKS.	3	2	2	Square Feet

General Comments

Span 1 — Far Bearing 1

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 1 — Near Bearing 2

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

☑ **313**	Corrosion	surface rust	2			Each
☑ **515**	Effectiveness (Steel Protective Coatings)	surface rust	3	1	1	Square Feet

General Comments

Span 1 — Far Bearing 3

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 1 — Far Bearing 3

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 1 — Far Bearing 4

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 1 — Near Bearing 5

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	1	0	0	1	0	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	surface rust	2	1		Each
☑	**515**	Effectiveness (Steel Protective Coatings)	surface rust	3	1	1	Square Feet

General Comments

Span 1 — Far Bearing 5

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 1 — Near Bearing 6

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	1	0	0	1	0	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	surface rust	2	1		Each
☑	**515**	Effectiveness (Steel Protective Coatings)	surface rust	3	1	1	Square Feet

General Comments

Span 1 — Far Bearing 6

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

☑ **311**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 1 Near Bearing 7

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	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	surface rust	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	surface rust	3	1	1	Square Feet

General Comments

Span 1 Far Bearing 7

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 1 Near Bearing 8

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	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	surface rust	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	surface rust	3	1	1	Square Feet

General Comments

Span 1 — Far Bearing 8

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 1 — Near Bearing 9

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	rust scale	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	rust scale	4	1	1	Square Feet

General Comments

Span 1 — Far Bearing 9

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 1 — Near Bearing 10

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	rust scale	2	1		Each

☑	**515**	Effectiveness (Steel Protective Coatings)	rust scale	4	1	1	Square Feet	

General Comments

Span 1 — Far Bearing 10

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	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	3,192	3,109	0	83	0	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**510**	Crack (Wearing Surface)	FULL ROADWAY WIDTH X UP TO 1/8 INCH TRANSVERSE CRACK, OVER END BENT 1.	3	58	58	Square Feet
☑	**510**	Crack (Wearing Surface)	throughout asphalt wearing surface, map cracks (up to 1/32 inch) at random	3	25	25	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	3,648	3,646	0	2	0	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**12**	Delamination/Spall	(PAR) underside of deck in bay 9 near bent 1, (2) spalls (up to 18 inch x 1 foot x 1 inch deep) with exposed rusted rebar	3	2	2	Square Feet
☐	**12**	Cracking (RC and Other)	DEFECT NOT FOUND 8-21-2019.	1			Square Feet

General Comments

Span 2 — Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	55	0	2	0	Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

☑ **110**	Exposed Rebar	(PAR) FULL LENGTH X FULL WIDTH X 4 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 2 DIAPHRAGM, BAY 1.	4		6	Feet
☑ **110**	Delamination/Spall	at bent 1, east face, spall/delamination (6 inch x 11 inch x 1/2 inch deep) with exposed rusted rebar	3	1	1	Feet
☑ **110**	Delamination/Spall	at bent 1, underside, spall (9 inch x 4 inch x 1 inch deep) with exposed rusted rebar	3	1	1	Feet

General Comments

Span 2 Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	57	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Cracking (RC and Other)	6 FOOT X UP TO 1/8 INCH LONGITUDINAL CRACKS, AT RANDOM THROUGHOUT BAY 2 DIAPHRAGM AT BENT 2.	3		6	Feet
☑ **110**	Cracking (RC and Other)	FULL LENGTH X FULL WIDTH DELAMINATION WITH CRACKS UP TO 1/8 INCH IN BAY 2 DIAPHRAGM AT BENT 1.	3		6	Feet

General Comments

Span 2 Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	56	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Exposed Rebar	(PAR) FULL LENGTH X FULL WIDTH X 4 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED RUSTED REBAR WITH APPROXIMATELY 25 PERCENT LOSS IN BAY 3 DIAPHRAGM AT BENT 2.	4		6	Feet
☑ **110**	Exposed Rebar	(PAR) FULL LENGTH X FULL WIDTH X 8 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED RUSTED REBAR WITH APPROXIMATELY 25 PERCENT LOSS IN BAY 3 DIAPHRAGM AT BENT 1.	4		6	Feet
☑ **110**	Cracking (RC and Other)	at bent 2, east face, delamination (7 inch x 8 inch) with cracks (up to 1/16 inch)	3	1	1	Feet

General Comments

Span 2 Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	57	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

☑ **110**	Cracking (RC and Other)	6 FOOT X UP TO 1/8 INCH LONGITUDINAL CRACKS, AT RANDOM THROUGHOUT BAY 4 DIAPHRAGM AT BENT 2.	3		6	Feet
☑ **110**	Cracking (RC and Other)	FULL LENGTH X FULL WIDTH DELAMINATION WITH CRACKS UP TO 1/8 INCH IN BAY 4 DIAPHRAGM AT BENT 1.	3		6	Feet

General Comments

Span 2 Beam 5

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	56	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Exposed Rebar	(PAR) FULL LENGTH X FULL WIDTH X 10 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 2 DIAPHRAGM, BAY 5.	4		1	Feet
☑ **110**	Exposed Rebar	(PAR) FULL LENGTH X FULL WIDTH X 8 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 1 DIAPHRAGM, BAY 5.	4		6	Feet
☑ **110**	Delamination/Spall	at bent 2, east face bottom corner, spall (8 inch x 4 inch x 8 inch x 2 inch deep)	3	1	1	Feet

General Comments

Span 2 Beam 6

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	56	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Delamination/Spall	at bent 1, west face, delamination/spall (18 inch x 9 inch x 1/2 inch deep)	3	1	1	Feet
☑ **110**	Delamination/Spall	FULL LENGTH X FULL WIDTH X 12 INCH X 2 INCH DEEP SPALL/DELAMINATION IN BAY 6 DIAPHRAGM AT BENT 2.	3		6	Feet

General Comments

Span 2 Beam 7

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	56	0	0	1	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

☑ **110**	Exposed Rebar	(PAR) SPAN 2 BEAM 7 WEST WEB OVER BENT 2. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR EXPOSED. AREA IS: 7 INCH X 32 INCH X 3/4 INCH DEEP. WITH EXPOSED RUSTED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS	4	1	1	Feet
☑ **110**	Cracking (RC and Other)	6 FOOT X UP TO 1/8 INCH LONGITUDINAL CRACKS, AT RANDOM THROUGHOUT BAY 7 DIAPHRAGM AT BENT 2.	3		6	Feet

General Comments

Span 2 Beam 8

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	56	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Delamination/Spall	West face at far end, delamination [10 inch x full height]	2	1	1	Feet

General Comments

Span 2 Beam 9

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	55	0	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Cracking (RC and Other)	at bent 1, delamination (9 inch x 3 inch) with cracks (up to 1/8 inch)	3	1	1	Feet
☑ **110**	Delamination/Spall	at bent 1, west face, spall/delamination (8 inch x up to full height x 1 inch deep)	3	1	1	Feet
☑ **110**	Delamination/Spall	FULL LENGTH X FULL WIDTH X 12 INCH X 1 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REINFORCING, IN BENT 2 DIAPHRAGM, BAY 9.	3		6	Feet

General Comments

Span 2 Beam 10

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	55	0	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Delamination/Spall	underside at bent 1, spall/delamination [1.5 foot x full width x 1 inch deep] with exposed rusted rebar	3	2	2	Feet

General Comments

Span 2 — Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	57	0	57	0	0	Feet
515	Steel Protective Coating	171	31	0	140	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **330**	Corrosion	surface rust at random	2	57		Square Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	surface rust	3	140	140	Square Feet

General Comments

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	57	46	0	11	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **331**	Patched Area	SPAN 2 RIGHT RAIL HAS (11) PATCHED AREAS UP TO 8 INCH X 1 FOOT WITH HAIRLINE CRACKS.	3	11	11	Square Feet

General Comments

Span 2 — Near Bearing 1

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing 1

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 2 — Near Bearing 2

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing 2

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 2 — Near Bearing 3

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing 3

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

☑ **311**	Corrosion	RUST SCALE	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	rust scale	4	1	1	Square Feet

General Comments

Span 2 Near Bearing 4

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 2 Far Bearing 4

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	RUST SCALE	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	rust scale	4	1	1	Square Feet

General Comments

Span 2 Near Bearing 5

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 2 Far Bearing 5

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	RUST SCALE	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	rust scale	4	1	1	Square Feet

General Comments

Span 2 Near Bearing 6

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 2 Far Bearing 6

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 2 Near Bearing 7

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each

☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss		4	1	1	Square Feet

General Comments

Span 2 — Far Bearing 7

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	active corrosion with section loss [up to 1/8 inch loss on plates]	4	1	1	Square Feet

General Comments

Span 2 — Near Bearing 8

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing 8

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 2 — Near Bearing 9

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing 9

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 2 — Near Bearing 10

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing 10

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each

☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square 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	3,192	3,084	0	108	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **510**	Crack (Wearing Surface)	58 FOOT X UP TO 1/4 INCH TRANSVERSE CRACK, OVER BENT 1.	3	58	58	Square Feet
☑ **510**	Crack (Wearing Surface)	throughout asphalt wearing surface, map cracks (up to 1/32 inch) at random	3	50	50	Square Feet

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	3,648	3,648	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☐ **12**	Cracking (RC and Other)	DEFECT NOT FOUND 8-21-2019.	1			Square Feet

General Comments

Span 3 — Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	55	1	0	1	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Exposed Rebar	(PAR) 10 INCH X 39 INCH X 1 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, EAST FACE OF WEB, AT BENT 3.	4	1	1	Feet
☑ **110**	Efflorescence/Rust Staining	(PAR) at bent 3, bay 1 end diaphragm, delamination (full width x full height) with cracks (up to 1/2 inch deep) with rust stains	3		6	Feet
☑ **110**	Cracking (RC and Other)	at bent 2, east face at bottom, longitudinal crack (1/32 inch x 1 foot)	2	1		Feet

General Comments

Span 3 Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	57	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 110	Exposed Rebar	(PAR) at bent 2, bay 2 end diaphragm, spall/delamination (full length x full width x 8 x 2 inch deep) with exposed rusted rebar (approximately 25 percent loss)	4		6	Feet
☑ 110	Efflorescence/Rust Staining	(PAR) at bent 3, bay 2 end diaphragm, delamination (full width x 8 inch) with cracks (up to 1/2 inch deep) with rust stains	3		6	Feet

General Comments

Span 3 Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	57	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 110	Efflorescence/Rust Staining	(PAR) at bent 3, bay 3 end diaphragm, delamination (full width x 8 inch) with cracks (up to 1/4 inch deep) with rust stains	3		6	Feet

General Comments

Span 3 Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	57	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 110	Efflorescence/Rust Staining	(PAR) at bent 3, bay 4 end diaphragm, delamination (full width x 5 inch) with cracks (up to 1/4 inch deep) with rust stains	3		6	Feet

General Comments

Span 3 Beam 5

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	56	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 110	Delamination/Spall	at bent 3, west face, spall/delamination (1 foot x 1.5 foot x 1 inch deep)	3	1	1	Feet

General Comments

Span 3 Beam 6

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	57	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Patched Area	(NOT FOUND 2023) SPAN 3 BEAM 6 BOTTOM AND EAST WEB OVER WEST BOUND RIGHT LANE. HAS A 4 FOOT X 1 FOOT X 1 FOOT PATCHED AREA WITH SCATTERED MAP CRACKING.	1			Feet

General Comments

Span 3 Beam 8

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	57	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Exposed Rebar	(PAR) at bent 2, bay 8 end diaphragm, spall/delamination (full length x full width x 8 x 2 inch deep) with exposed rusted rebar (approximately 25 percent loss)	4		6	Feet

General Comments

Span 3 Beam 9

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	57	57	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Exposed Rebar	(PAR) 6 FOOT X 1 FOOT X 8 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 2 DIAPHRAGM, BAY 9.	4		6	Feet

General Comments

Span 3 Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	57	0	57	0	0	Feet
515	Steel Protective Coating	171	11	0	160	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **330**	Corrosion	surface rust	2	57		Square Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	surface rust	3	160	160	Square 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	57	48	7	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **331**	Delamination/Spall	at 6 foot from bent 3, two [2] spalls [up to 18 inch x 2 inch x 3/4 inch deep], both with exposed rusted reinforcing [no loss noted]	3	2	2	Feet
☑ **331**	Patched Area	SPAN 3 RIGHT RAIL HAS MULTIPLE PATCHED AREAS (2 FOOT X 7 INCH) WITH HAIRLINE CRACKS	2	7		Square Feet

General Comments

Span 3 — Near Bearing 1

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing 1

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing 2

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing 2

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing 3

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing 3

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing 4

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	RUST SCALE	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	rust scale	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing 4

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing 5

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each

☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss		4	1	1	Square Feet

General Comments

Span 3 — Far Bearing 5

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing 6

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing 6

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Connection	(PAR) active corrosion with section loss [up to 1/16 inch loss on plates]; east guide rail, sheared	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing 7

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing 7

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing 8

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing 8

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

☑ **311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing 9

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing 9

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing 10

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing 10

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	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	3,192	3,084	0	108	0	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**510**	Crack (Wearing Surface)	throughout asphalt wearing surface, map cracks (up to 1/32 inch) at random	3	50	50	Square Feet
☑	**510**	Crack (Wearing Surface)	UP TO 58 FOOT X UP TO 1/4 INCH TRANSVERSE CRACKS, OVER BENT 2.	3	58	58	Square 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	2,683	2,679	3	1	0	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**12**	Exposed Rebar	(PAR) under bay 1 at 6 foot from end bent 2, spall [10 inch x 11 inch x up to 1 inch deep] with exposed rusted reinforcing [loss up to 1/16 inch]	3	1	1	Square Feet
☑	**12**	Delamination/Spall	(PAR) along underside left overhang, three [3] spalls [up to 6 inch diameter x 1/2 inch deep] with exposed rusted reinforcing [no loss noted]	2	3	3	Square Feet
☐	**12**	Cracking (RC and Other)	DEFECT NOT FOUND 8-21-2019.	1			Square Feet

General Comments

Span 4 — Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	42	32	10	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

☑ **110**	Cracking (RC and Other)	6 FOOT X UP TO 1/8 INCH LONGITUDINAL CRACKS, AT RANDOM THROUGHOUT BAY 1 DIAPHRAGM AT BENT 3.	3		6	Feet
☑ **110**	Cracking (RC and Other)	along the length of the beam, vertical cracks (up to 1/32 inch x full height) at random	2	10		Feet

General Comments

Span 4 Beam 2

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	42	41	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Exposed Rebar	(PAR) at near end, east face, spall/delamination [18 inch x 18 inch x up to 2 inch deep] with exposed rusted reinforcing [section loss up to 1/16 inch]	3	1	1	Feet

General Comments

Span 4 Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	42	41	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Delamination/Spall	at bent 3, east face, delamination (6 inch x 15 inch) with cracks (up to 1/32 inch)	2	1	1	Feet

General Comments

Span 4 Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	42	41	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Cracking (RC and Other)	6 FOOT X UP TO 1/8 INCH LONGITUDINAL CRACKS, AT RANDOM THROUGHOUT BAY 4 DIAPHRAGM AT BENT 3.	3		6	Feet
☑ **110**	Delamination/Spall	at bent 3, west face, spall/delamination (10 inch x 6 inch x 1/2 inch deep)	3	1	1	Feet

General Comments

Span 4 Beam 5

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	42	41	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

☑ **110**	Patched Area	4 FOOT X 10 INCH X 6 INCH PATCH, IN BENT 3 DIAPHRAGM, BAY 5.		2	1		Feet

General Comments

Span 4 Beam 6

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	42	41	0	0	1	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Exposed Rebar	(PAR) SPAN 4 BEAM 6 EAST WEB OVER BENT 3. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR WITH APPROXIMATELY 25 PERCENT LOSS AND RUST STAINS VISIBLE. AREA IS: 5 INCH X 32 INCH X 4 INCH DEEP.	4	1	1	Feet
☑ **110**	Patched Area	at bent 3, west face, failed patch (8 inch x 8 inch x 3/4 inch inch deep)	3		1	Feet

General Comments

Span 4 Beam 7

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	42	40	0	0	2	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Exposed Rebar	(PAR) SPAN 4 BEAM 7 WEST WEB OVER BENT 3. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR EXPOSED WITH APPROXIMATELY 25 PERCENT LOSS. AREA IS: 20 INCH X 15 INCH X 2 INCH DEEP.	4	2	2	Feet
☑ **110**	Delamination/Spall	1 FOOT X 7 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING, IN BENT 3 DIAPHRAGM, BAY 7.	3		1	Feet

General Comments

Span 4 Beam 8

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	42	41	0	0	1	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **110**	Exposed Rebar	(PAR) at bent 3, west face, spall/delamination (17 inch x 15 inch x 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss)	4	1	1	Feet
☑ **110**	Cracking (RC and Other)	6 FOOT X UP TO 1/8 INCH LONGITUDINAL CRACKS, AT RANDOM THROUGHOUT BAY 8 DIAPHRAGM AT BENT 3.	3		6	Feet

General Comments

Span 4 Beam 9

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	42	41	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 110	Efflorescence/Rust Staining	(PAR) FULL LENGTH X 8 INCH X FULL WIDTH FAILED PATCH/DELAMINATION WITH CRACKS (UP TO 1/4 INCH) WITH RUST STAINS, IN BENT 3 DIAPHRAGM, BAY 9	3		6	Feet
☑ 110	Delamination/Spall	East face at near end, patched area [16 inch x 8 inch]	2	1	1	Feet

General Comments

Span 4 Beam 10

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	42	24	15	3	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 110	Cracking (RC and Other)	West face at near end, delamination [3 foot x up to full height] with cracks [up to 1/8 inch]	3		3	Feet
☑ 110	Exposed Rebar	(PAR) 2.5 FOOT X 2.5 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REBAR [SECTION LOSS UP TO 1/16 INCH DEEP], EAST AND BOTTOM FACES, AT BENT 3.	3	3	3	Feet
☑ 110	Cracking (RC and Other)	along the length of the beam, vertical cracks (up to 1/32 inch x full height) at random	2	15		Feet

General Comments

Span 4 Left Bridge Rail

Steel Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	42	0	42	0	0	Feet
515	Steel Protective Coating	126	26	0	100	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 330	Corrosion	surface rust	2	42		Square Feet
☑ 330	Connection	(2023 defect moved to northwest guardrail) at Northwest guardrail attachment, two [2] loose connection bolts	1			Feet
☑ 515	Effectiveness (Steel Protective Coatings)	surface rust	3	100	100	Square 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	42	35	7	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **331**	Patched Area	SPAN 4 RIGHT RAIL HAS (7) PATCHED AREAS (UP TO 1 FOOT X 8 INCH) WITH HAIRLINE CRACKS.	2	7		Square Feet

General Comments

Span 4 — Near Bearing 1

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 4 — Far Bearing 1

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	corrosion with section loss (up to 1/8 inch loss)	3	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 4 — Near Bearing 2

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]	3	1	1	Each

☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet	

General Comments

Span 4 — Far Bearing 2

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	1	0	0	1	0	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	SURFACE RUST	2	1		Each
☑	**515**	Effectiveness (Steel Protective Coatings)	surface rust	3	1	1	Square Feet

General Comments

Span 4 — Near Bearing 3

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 4 — Far Bearing 3

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	1	0	0	1	0	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	surface rust	2	1		Each
☑	**515**	Effectiveness (Steel Protective Coatings)	surface rust	3	1	1	Square Feet

General Comments

Span 4 — Near Bearing 4

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 4 — Far Bearing 4

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	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	surface rust	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	surface rust	3	1	1	Square Feet

General Comments

Span 4 — Near Bearing 5

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 4 — Far Bearing 5

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	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	surface rust	2	1		Each

☑ **515**	Effectiveness (Steel Protective Coatings)	surface rust	3	1	1	Square Feet	

General Comments

Span 4 — Near Bearing 6

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Connection	(PAR) active corrosion with section loss [up to 1/16 inch loss on plates]; east guide rail, sheared	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 4 — Far Bearing 6

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	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	surface rust	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	surface rust	3	1	1	Square Feet

General Comments

Span 4 — Near Bearing 7

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/8 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 4 — Far Bearing 7

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	1	0	0	1	0	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	surface rust	2	1		Each
☑	**515**	Effectiveness (Steel Protective Coatings)	surface rust	3	1	1	Square Feet

General Comments

Span 4 — Near Bearing 8

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 4 — Far Bearing 8

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	1	0	0	1	0	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	surface rust	2	1		Each
☑	**515**	Effectiveness (Steel Protective Coatings)	surface rust	3	1	1	Square Feet

General Comments

Span 4 — Near Bearing 9

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	1	0	0	0	1	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	active corrosion with section loss [up to 1/16 inch on plates]	3	1	1	Each

☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet	

General Comments

Span 4 — Far Bearing 9

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	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	surface rust	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	surface rust	3	1	1	Square Feet

General Comments

Span 4 — Near Bearing 10

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	active corrosion with section loss [up to 1/16 inch loss on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	Square Feet

General Comments

Span 4 — Far Bearing 10

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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	active corrosion with section loss [up to 1/8 inch on plates]	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	corrosion with section loss	4	1	1	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	2,348	2,207	0	141	0	Square Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	510	Crack (Wearing Surface)	58 FOOT X UP TO 1/8 INCH TRANSVERSE CRACKS, OVER BENT 3.	3	58	58	Square Feet
☑	510	Crack (Wearing Surface)	over end bent 2, transverse cracks [up to 58 foot x 1/4 inch]	3	58	58	Square Feet
☑	510	Crack (Wearing Surface)	throughout asphalt wearing surface, map cracks (up to 1/32 inch) at random	3	25	25	Square Feet

General Comments

End Bent 1 — Abutment

Reinforced Concrete Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	68	68	0	0	0	Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☐	215	Cracking (RC and Other)	DEFECT NOT FOUND 8-21-2019	1			Feet

General Comments

End 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	70	62	0	8	0	Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	234	Efflorescence/Rust Staining	(PAR) END BENT 1 CAP HAS A DELAMINATION 8 FOOT X 6 INCH X 6 INCH WITH CRACKS UP TO 1/4 INCH CRACKS WITH EFFLORESCENCE AND RUST STAINS VISIBLE, UNDER BAY 9.	3	8	8	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	61	15	1	45	0	Feet

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	234	Cracking (RC and Other)	along the length of the cap, near top, longitudinal cracks (up to 1/16 inch x 8 foot) at random	3	15	15	Feet
☑	234	Efflorescence/Rust Staining	(PAR) underside of cap between columns, delaminations (up to 10 foot x full width) extending into vertical faces (up to 1 foot) with cracks (up to 1/8 inch) with rust stains	3	30	30	Feet

☑ **234**	Delamination/Spall	West face, spall [4 inch diameter x 1/2 inch] with exposed rusted reinforcing [no loss noted]	2	1	1	Feet	
☑ **234**	Efflorescence/Rust Staining	(combined with other notes 2023) South face below beam 5, two [2] horizontal cracks [up to 1/8 inch] and rust stain	1			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**	Cracking (RC and Other)	7 FOOT X UP TO 1/32 INCH VERTICAL CRACK, EAST FACE, BEGINNING AT BOTTOM OF CAP	2	1		Each

General Comments

Bent 1 Pile 3

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**	Delamination/Spall	east and west faces, spall/delamination (21 inch x full height x 1/2 inch deep) with cracks (up to 1/32 inch)	3	1	1	Each
☑ **205**	Cracking (RC and Other)	MULTIPLE UP TO 10 FOOT X 1/32 INCH VERTICAL CRACKS, AT RANDOM THROUGHOUT.	2			Each

General Comments

Bent 1 Pile 4

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**	Efflorescence/Rust Staining	(PAR) (2)- UP TO 5 FOOT X 1/32 INCH VERTICAL CRACKS WITH RUST STAIN, EAST FACE, BEGINNING AT BOTTOM OF CAP.	3	1	1	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	61	1	0	49	11	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

☑ **234**	Exposed Rebar	(PAR) 5 FOOT X 1 FOOT X UP TO 3 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS AND MULTIPLE DELAMINATIONS (UP TO 10 FOOT X FULL WIDTH OF BOTTOM X UP TO FULL HEIGHT) WITH CRACKS UP TO 1/8 INCH AND RUST STAINS, SOUTH, NORTH AND BOTTOM FACES, BETWEEN PILES 2 AND 3.	4	10	10	Feet
☑ **234**	Exposed Rebar	(PAR) 6 INCH DIAMETER X 1 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, SOUTH FACE, UNDER BEAM 2.	4	1	1	Feet
☑ **234**	Cracking (RC and Other)	along the length of the cap, near top, longitudinal cracks (up to 1/16 inch x 8 foot) at random	3	31	31	Feet
☑ **234**	Efflorescence/Rust Staining	(PAR) 8 FOOT X 3 FOOT DELAMINATION WITH MAP CRACKING UP TO 1/16 INCH WITH RUST STAINS, BOTTOM FACE, BETWEEN PILES 1 AND 2.	3	8	8	Feet
☑ **234**	Exposed Rebar	(PAR) [3 FOOT X UP TO 20 INCH X 5 INCH] DEEP SPALL WITH EXPOSED PRIMARY REINFORCING [SECTION LOSS UP TO 1/8 INCH], NORTH AND BOTTOM FACES, BETWEEN PILES 3 AND 4 WITH ADJACENT DELAMINATIONS [UP TO 10 FOOT X FULL WIDTH OF BOTTOM], EXTENDS UP TO FULL HEIGHT OF SOUTH FACE	3	10	10	Feet
☑ **234**	Delamination/Spall	(COMBINED WITH OTHER NOTES 2023) BENT 2 CAP SOUTH FACE AND TOP IN BAY 5. HAS A CRACK/SPALL AND DELAMINATED AREA WITH RUST STAINS VISIBLE. AREA IS: FROM EDGE BACK 3 INCH, FROM EDGE DOWN 14 INCH X 54 INCH. SPALL AREA IS: 3 INCH X 15 INCH X 3/4 INCH DEEP.	1			Feet
☑ **234**	Efflorescence/Rust Staining	(COMBINED WITH OTHER NOTES 2023) BENT 2 CAP TOP AND SOUTH FACE IN BAY 6. HAS A CRACKED UP TO 1/32 INCH AND DELAMINATED AREA WITH RUST STAINS VISIBLE.	1			Feet

General Comments

Bent 2 Pile 3

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**	Delamination/Spall	west face at base, delamination/spall (2 foot x 7 foot x 1/2 inch deep) with cracks (up to 1/32 inch)	3	1	1	Each
☐ **205**	Cracking (RC and Other)	DUPLICATE DEFECT 8-21-2019	1			Each

General Comments

Bent 2 Pile 4

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**	Delamination/Spall	west face, spall/delamination (2 foot x full height x 1/2 inch deep) with cracks (up to 1/32 inch) some with efflorescence	3	1	1	Each
☑ **205**	Cracking (RC and Other)	along column, vertical cracks (up to 1/32 inch x 5 foot)	2			Each
☐ **205**	Delamination/Spall	DUPLICATE DEFECT 8-21-2019.	1			Each

General Comments

End Bent 2 — Abutment

Reinforced Concrete Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	68	63	0	5	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **215**	Cracking (RC and Other)	at bay 1 utility penetration, delamination (4 foot x 4 inch) with cracks (up to 1/4 inch)	3	4	4	Feet
☑ **215**	Settlement	(PAR) SOIL INFILTRATION THROUGH UTILITY ACCESS HOLE, BAY 9.	3	1	1	Feet

General Comments

End 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	70	55	0	15	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **234**	Cracking (RC and Other)	below bay 9, delamination (8 foot x 5 inch x 5 inch) with cracks (up to 3/16 inch)	3	8	8	Feet
☑ **234**	Delamination/Spall	below bay 1, spall/delamination (7 foot x 15 inch x 4 inch x 2 inch deep)	3	7	7	Feet

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	61	0	22	34	5	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **234**	Exposed Rebar	(PAR) south face in bay 6, failed patch (5 foot x full height x 3 inch deep) with exposed rusted rebar (approximately 25 percent loss)	4	5	5	Feet
☑ **234**	Cracking (RC and Other)	along the length of the cap, near top, longitudinal cracks (up to 1/8 inch x 8 foot) at random	3		20	Feet
☑ **234**	Delamination/Spall	(PAR) underside of cap between all piles, delaminations/spalls [up to 8 foot x full width x 2 inch deep], extend up vertical face (4 inch) with cracks (up to 1/4 inch)	3	24	24	Feet

☑ **234**	Efflorescence/Rust Staining	(PAR) BENT 3 CAP NORTH FACE BAY 6. FAILED PATCH [7 FOOT X UP TO 40 INCH] WITH MULTIPLE ADJACENT DELAMINATION [UP TO 28 INCH X 18 INCH], RUST STAIN AND EFFLORESCENCE	3		7	Feet
☑ **234**	Efflorescence/Rust Staining	(PAR) BENT 3 CAP TOP AND SOUTH FACE BAY 9. HAS AN UNSOUND PATCHED AREA 6 FOOT X 8 INCH X 12 INCH WITH SCATTERED HAIRLINE CRACKS, EFFLORESCENCE AND RUST STAINS	3	6	6	Feet
☑ **234**	Patched Area	BENT 3 CAP NORTH FACE BAY 9. HAS A PATCHED AREA 3 FOOT X 2 FOOT WITH SCATTERED HAIRLINE CRACKS WITH EFFLORESCENCE VISIBLE	3	4	4	Feet
☑ **234**	Cracking (RC and Other)	along the length of the cap, vertical cracks (up to 1/32 inch x full height) and map cracks (hairline) at random	2	18		Feet
☑ **234**	Delamination/Spall	south face in bay 4, delamination (4 foot x 1.5 foot) with cracks (up to 1/32 inch)	2	4	4	Feet
☑ **234**	Delamination/Spall	(COMBINED WITH OTHER NOTES 2023) BENT 3 CAP SOUTH FACE AND BOTTOM BAY 5. HAS A AREA THAT IS CRACKED AND DELAMINATED. AREA IS: FROM BOTTOM EDGE UP 5 INCH FROM EDGE BACK 36 INCH X 8 FOOT	1			Feet

General Comments

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	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **205**	Efflorescence/Rust Staining	(PAR) MULTIPLE UP TO 3 FOOT X 1/16 INCH VERTICAL CRACKS WITH RUST STAINING, AT RANDOM THROUGHOUT.	3	1	1	Each

General Comments

Bent 3 Pile 3

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**	Delamination/Spall	southwest corner, spall/delamination (6 foot x 11 inch x 5 inch x 1 inch deep) with cracks (up to 1/8 inch)	3	1	1	Each

General Comments

Bent 3 Pile 4

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**	Efflorescence/Rust Staining	(PAR) MULTIPLE UP TO FULL HEIGHT X 1/16 INCH VERTICAL CRACKS WITH RUST STAINING, AT RANDOM THROUGHOUT.	3	1	1	Each

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3648
Span 1	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 6	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 7	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 8	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 9	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Beam 10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 1	Left Bridge Rail	Steel Rail	Metal Bridge Railing	57
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	3192
Span 1	Far Bearing 1	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing 1	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing 2	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing 3	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing 3	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing 3	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing 4	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing 4	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing 5	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing 5	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing 6	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing 6	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing 7	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing 7	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing 8	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing 8	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing 9	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing 9	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing 10	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing 10	Fixed Bearing	Fixed Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3648
Span 2	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 6	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 7	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 8	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 9	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 2	Beam 10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 2	Left Bridge Rail	Steel Rail	Metal Bridge Railing	57
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 2	Expansion Joint 1	Standard Joint	Pourable Joint Seal	61
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	3192
Span 2	Far Bearing 1	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing 1	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing 2	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing 2	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing 3	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing 3	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing 4	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing 4	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing 5	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing 5	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing 6	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing 6	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing 7	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing 7	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing 8	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing 8	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing 9	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing 9	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing 10	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing 10	Movable Bearing	Movable Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3648
Span 3	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 6	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 7	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 8	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 9	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Beam 10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	57
Span 3	Left Bridge Rail	Steel Rail	Metal Bridge Railing	57
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 3	Expansion Joint 2	Standard Joint	Pourable Joint Seal	61
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	3192
Span 3	Far Bearing 1	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing 1	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing 2	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing 2	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing 3	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing 3	Movable Bearing	Movable Bearing	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Far Bearing 4	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing 4	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing 5	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing 5	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing 6	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing 6	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing 7	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing 7	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing 8	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing 8	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing 9	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing 9	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing 10	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing 10	Fixed Bearing	Fixed Bearing	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2683
Span 4	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 6	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 7	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 8	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 9	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Beam 10	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	42
Span 4	Left Bridge Rail	Steel Rail	Metal Bridge Railing	42
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	42
Span 4	Expansion Joint 3	Standard Joint	Pourable Joint Seal	61
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2348
Span 4	Near Bearing 1	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing 1	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing 2	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing 2	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing 3	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing 3	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing 4	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing 4	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing 5	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing 5	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing 6	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing 6	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing 7	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing 7	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing 8	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing 8	Movable Bearing	Movable Bearing	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 4	Near Bearing 9	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing 9	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing 10	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing 10	Movable Bearing	Movable Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	61
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	70
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	68
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	61
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	70
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	68
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	61
Bent 3	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1

General Inspection Notes

Span 2 Expansion Joint 1

EXPANSION JOINT OVER BENT 1 PAVED OVER

Span 3 Expansion Joint 2

EXPANSION JOINT OVER BENT 2 PAVED OVER

Span 4 Expansion Joint 3

EXPANSION JOINT OVER BENT 3 PAVED OVER

National Bridge and NC Inspection Items

Structure Number: 110025 **Inspection Date:** 08/28/2023

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**6**
Item 59: Superstructure	0 - 9 , N	**5**
Item 60: Substructure	0 - 9 , N	**5**
Item 61: Channel and Channel Protection	0 - 9 , N	**N**
Item 62: Culvert	0 - 9 , N	**N**
Item 71: Waterway Adequacy	0 - 9 , N	**N**
Item 72: Approach Roadway Alignment	0 - 9 , N	**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	**P**		
Slope Protection	G, F, P, or C		**0**	**3352**
Scour	G, F, P, or C			
Wingwall	G, F, P, or C	**G**	**0**	**3350**
Field Scour Evaluation				
Drift	G, F, P, or C		**0**	**3366**
Fender System	G, F, P, or C		**0**	**3364**
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	**G**		
Superstructure Paint Code				

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	**N**
Priority Maintenance Request Submitted	YES/NO	**Y**
Inspection Time	Hours	**12**
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	**Y**
Bucket Truck Used	YES/NO	**N**
Boat Used	YES/NO	**N**
Other Equipment Used	YES/NO	**N**
Portion of Structure in > 3' of water	YES/NO	**N**

National Bridge and NC SMU Inspection Item Details

Structure Number: 110025 **Inspection Date:** 08/28/2023

Item Utilities **Grade** P **Maint Code** **Qty.** 0

Details bay 9, cast iron pipe utility (6 inch diameter) and gas line (4 inch diameter)

bay 8, (9) pvc pipes (4 inch diameter)

bay 1, gas line (6 inch diameter)

(PAR) at bent 2, bay 9 utility, metal platform, corroded and sheared

(PAR) span 4, bay 9 utility, near half, broken/cracked

(PAR) at bent 3, utility platform, corrosion with section loss (up to 100 percent loss) with corrosion holes (up to 3 inch diameter); hanger connection, corrosion with section loss (up to 100 percent loss)

Item General Comments and Misc Items **Grade** **Maint Code** **Qty.** 0

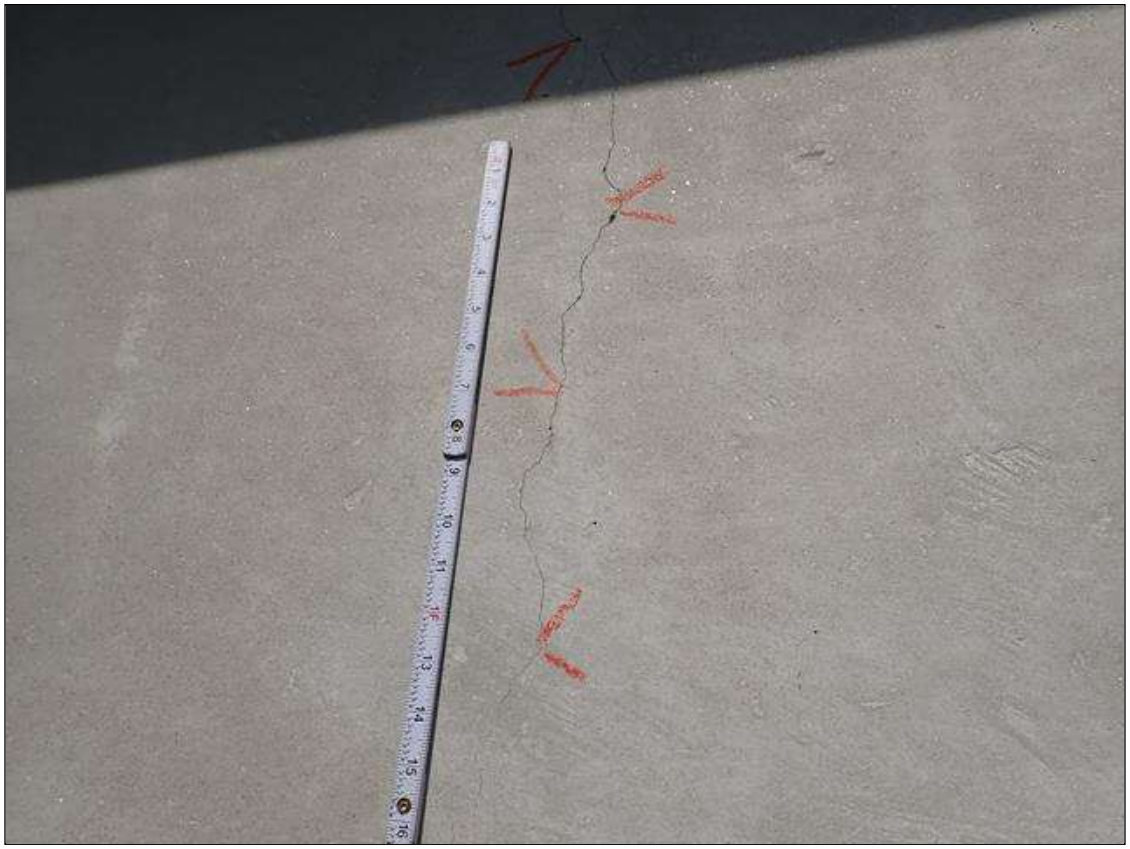
Details (PAR) northwest guardrail near termination, (2) areas of impact damage (up to 10 foot); 18 foot total

(PAR) northwest guardrail attachment, (2) missing/detached bolts

(PAR) southeast guardrail, timber posts 7, 12 and 14, decay/section loss (up to full width x full height x full depth)

End Bent 1 Cap 1: (PAR) END BENT 1 CAP HAS A DELAMINATION 8 FOOT X 6 INCH X 6 INCH WITH CRACKS UP TO 1/4 INCH CRACKS WITH EFFLORESCENCE AND RUST STAINS VISIBLE, UNDER BAY 9.

Span 1 Beam 10: 10.5 foot from end bent 1, underside, patched area (2 foot x 8 inch)



Span 1 Beam 10: along length, multiple vertical cracks [up to full height x 1/32 inch]

Span 1 Beam 9: along the length of the beam, vertical cracks (up to 1/32 inch x full height) at random

Span 1 Beam 1: along the length of the beam, vertical cracks (up to 1/32 inch x full height) at random

(PAR) at bent 2, bay 9 utility, metal platform, corroded and sheared

Span 4 Beam 10: along the length of the beam, vertical cracks (up to 1/32 inch x full height) at random

(PAR) span 4, bay 9 utility, near half, broken/cracked

End Bent 2 Cap 1: below bay 9, delamination (8 foot x 5 inch x 5 inch) with cracks (up to 3/16 inch)

(PAR) span 4, bay 9 utility, near half, broken/cracked

End Bent 2 Abutment: (PAR) SOIL INFILTRATION THROUGH UTILITY ACCESS HOLE, BAY 9.

Span 4 Beam 10 - Far Bearing 10: active corrosion with section loss [up to 1/8 inch on plates]

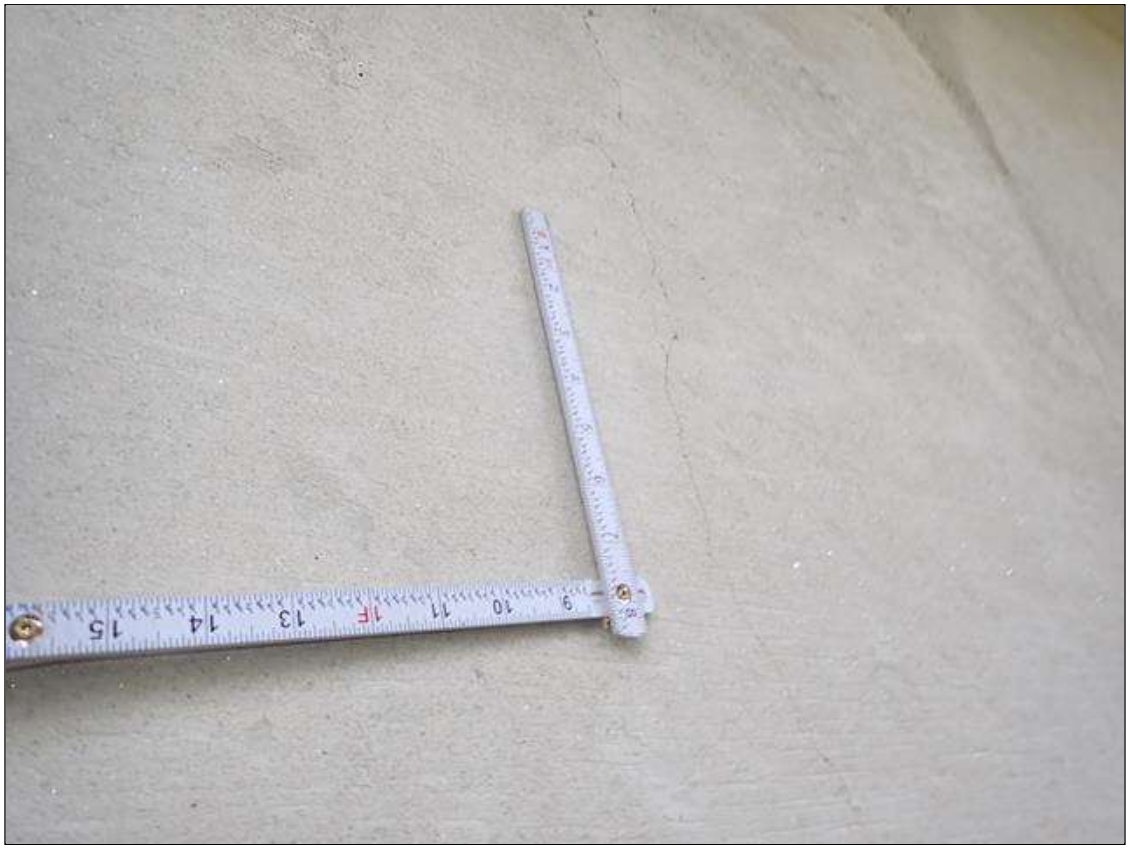
End Bent 2 Cap 1: below bay 1, spall/delamination (7 foot x 15 inch x 4 inch x 2 inch deep)

End Bent 2 Abutment: at bay 1 utility penetration, delamination (4 foot x 4 inch) with cracks (up to 1/4 inch)

Span 4 Beam 1 - Far Bearing 1: corrosion with section loss (up to 1/8 inch loss)

Span 4 Deck: (PAR) under bay 1 at 6 foot from end bent 2, spall [10 inch x 11 inch x up to 1 inch deep] with exposed rusted reinforcing [loss up to 1/16 inch]

Span 4 Deck: (PAR) along underside left overhang, three [3] spalls [up to 6 inch diameter x 1/2 inch deep] with exposed rusted reinforcing [no loss noted]



Span 4 Beam 1: along the length of the beam, vertical cracks (up to 1/32 inch x full height) at random

(PAR) northwest guardrail near termination, (2) areas of impact damage (up to 10 foot); 18 foot total

(PAR) northwest guardrail near termination, (2) areas of impact damage (up to 10 foot); 18 foot total

(PAR) southeast guardrail, timber posts 7, 12 and 14, decay/section loss (up to full width x full height x full depth)

(PAR) southeast guardrail, timber posts 7, 12 and 14, decay/section loss (up to full width x full height x full depth)

(PAR) southeast guardrail, timber posts 7, 12 and 14, decay/section loss (up to full width x full height x full depth)

Span 1 Wearing Surface: FULL ROADWAY WIDTH X UP TO 1/8 INCH TRANSVERSE CRACK, OVER END BENT 1.

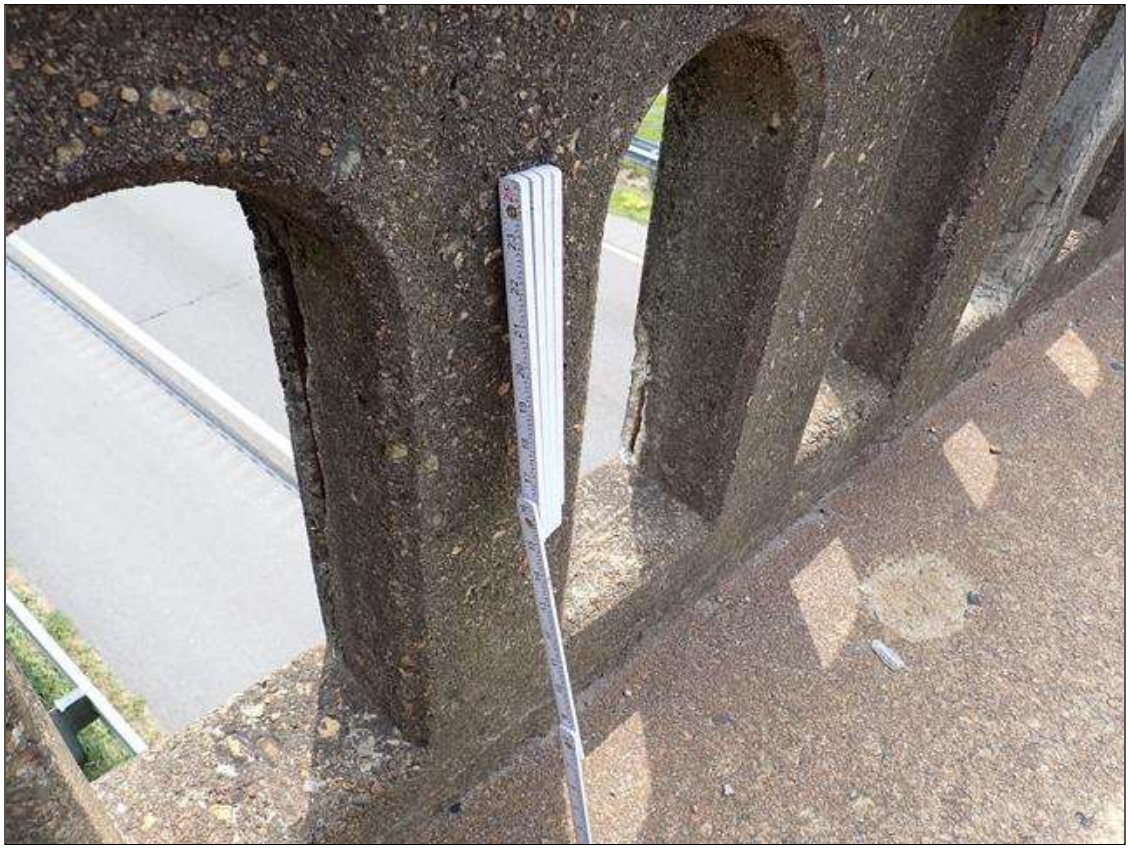
Span 1 Left Bridge Rail: surface rust at random

Span 2 Wearing Surface: 58 FOOT X UP TO 1/4 INCH TRANSVERSE CRACK, OVER BENT 1.

Span 2 Wearing Surface: throughout asphalt wearing surface, map cracks (up to 1/32 inch) at random

(PAR) northwest guardrail attachment, (2) missing/detached bolts

Span 4 Right Bridge Rail: SPAN 4 RIGHT RAIL HAS (7) PATCHED AREAS (UP TO 1 FOOT X 8 INCH) WITH HAIRLINE CRACKS.



Span 3 Right Bridge Rail: at 6 foot from bent 3, two [2] spalls [up to 18 inch x 2 inch x 3/4 inch deep], both with exposed rusted reinforcing [no loss noted]

Span 3 Right Bridge Rail: SPAN 3 RIGHT RAIL HAS MULTIPLE PATCHED AREAS (2 FOOT X 7 INCH) WITH HAIRLINE CRACKS

Span 2 Right Bridge Rail: SPAN 2 RIGHT RAIL HAS (11) PATCHED AREAS UP TO 8 INCH X 1 FOOT WITH HAIRLINE CRACKS.

Span 3 Beam 1: (PAR) 10 INCH X 39 INCH X 1 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, EAST FACE OF WEB, AT BENT 3.

Span 3 Beam 1 - Far Bearing 1: active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]

Span 4 Beam 1 - Near Bearing 1: active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]

Span 3 Beam 1: (PAR) at bent 3, bay 1 end diaphragm, delamination (full width x full height) with cracks (up to 1/2 inch deep) with rust stains

Bent 3 Cap 1: along the length of the cap, vertical cracks (up to 1/32 inch x full height) and map cracks (hairline) at random

Bent 3 Cap 1: (PAR) underside of cap between all piles, delaminations/spalls [up to 8 foot x full width x 2 inch deep], extend up vertical face (4 inch) with cracks (up to 1/4 inch)

Bent 3 Cap 1: (PAR) underside of cap between all piles, delaminations/spalls [up to 8 foot x full width x 2 inch deep], extend up vertical face (4 inch) with cracks (up to 1/4 inch)

Bent 3 Cap 1: (PAR) underside of cap between all piles, delaminations/spalls [up to 8 foot x full width x 2 inch deep], extend up vertical face (4 inch) with cracks (up to 1/4 inch)

Span 4 Beam 2: (PAR) at near end, east face, spall/delamination [18 inch x 18 inch x up to 2 inch deep] with exposed rusted reinforcing [section loss up to 1/16 inch]

Span 3 Beam 3 - Far Bearing 3: active corrosion with section loss [up to 1/16 inch loss on plates]

Span 3 Beam 2: (PAR) at bent 3, bay 2 end diaphragm, delamination (full width x 8 inch) with cracks (up to 1/2 inch deep) with rust stains

Span 3 Beam 3: (PAR) at bent 3, bay 3 end diaphragm, delamination (full width x 8 inch) with cracks (up to 1/4 inch deep) with rust stains

Span 4 Beam 3: at bent 3, east face, delamination (6 inch x 15 inch) with cracks (up to 1/32 inch)

Span 4 Beam 3 - Near Bearing 3: active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]

Span 4 Beam 4: at bent 3, west face, spall/delamination (10 inch x 6 inch x 1/2 inch deep)

Bent 3 Cap 1: south face in bay 4, delamination (4 foot x 1.5 foot) with cracks (up to 1/32 inch)

Span 3 Beam 5: at bent 3, west face, spall/delamination (1 foot x 1.5 foot x 1 inch deep)

Span 3 Beam 5 - Far Bearing 5: active corrosion with section loss [up to 1/16 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]

Span 3 Beam 4: (PAR) at bent 3, bay 4 end diaphragm, delamination (full width x 5 inch) with cracks (up to 1/4 inch deep) with rust stains

Span 4 Beam 6: at bent 3, west face, failed patch (8 inch x 8 inch x 3/4 inch inch deep)

Bent 3 Cap 1: (PAR) south face in bay 6, failed patch (5 foot x full height x 3 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Bent 3 Cap 1: (PAR) south face in bay 6, failed patch (5 foot x full height x 3 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Span 4 Beam 6: (PAR) SPAN 4 BEAM 6 EAST WEB OVER BENT 3. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR WITH APPROXIMATELY 25 PERCENT LOSS AND RUST STAINS VISIBLE. AREA IS: 5 INCH X 32 INCH X 4 INCH DEEP.

Span 3 Beam 6 - Far Bearing 6: (PAR) active corrosion with section loss [up to 1/16 inch loss on plates]; east guide rail, sheared

Span 4 Beam 6 - Near Bearing 6: (PAR) active corrosion with section loss [up to 1/16 inch loss on plates]; east guide rail, sheared

Span 4 Beam 7: (PAR) SPAN 4 BEAM 7 WEST WEB OVER BENT 3. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR EXPOSED WITH APPROXIMATELY 25 PERCENT LOSS. AREA IS: 20 INCH X 15 INCH X 2 INCH DEEP.

Span 4 Beam 8: (PAR) at bent 3, west face, spall/delamination (17 inch x 15 inch x 1.5 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Bent 3 Cap 1: (PAR) BENT 3 CAP TOP AND SOUTH FACE BAY 9. HAS AN UNSOUND PATCHED AREA 6 FOOT X INCH X 12 INCH WITH SCATTERED HAIRLINE CRACKS, EFFLORESCENCE AND RUST STAINS

Bent 3 Cap 1: (PAR) BENT 3 CAP TOP AND SOUTH FACE BAY 9. HAS AN UNSOUND PATCHED AREA 6 FOOT X INCH X 12 INCH WITH SCATTERED HAIRLINE CRACKS, EFFLORESCENCE AND RUST STAINS

Span 4 Beam 9: East face at near end, patched area [16 inch x 8 inch]

(PAR) at bent 3, utility platform, corrosion with section loss (up to 100 percent loss) with corrosion holes (up to 3 inch diameter); hanger connection, corrosion with section loss (up to 100 percent loss)

(PAR) at bent 3, utility platform, corrosion with section loss (up to 100 percent loss) with corrosion holes (up to 3 inch diameter); hanger connection, corrosion with section loss (up to 100 percent loss)

(PAR) at bent 3, utility platform, corrosion with section loss (up to 100 percent loss) with corrosion holes (up to 3 inch diameter); hanger connection, corrosion with section loss (up to 100 percent loss)

Span 4 Beam 10: West face at near end, delamination [3 foot x up to full height] with cracks [up to 1/8 inch]

Span 4 Beam 10: (PAR) 2.5 FOOT X 2.5 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REBAR [SECTION LOSS UP TO 1/16 INCH DEEP], EAST AND BOTTOM FACES, AT BENT 3.

Span 4 Beam 9: (PAR) FULL LENGTH X 8 INCH X FULL WIDTH FAILED PATCH/DELAMINATION WITH CRACKS (UP TO 1/4 INCH) WITH RUST STAINS, IN BENT 3 DIAPHRAGM, BAY 9

Bent 3 Cap 1: BENT 3 CAP NORTH FACE BAY 9. HAS A PATCHED AREA 3 FOOT X 2 FOOT WITH SCATTERED HAIRLINE CRACKS WITH EFFLORESCENCE VISIBLE

Bent 3 Cap 1: (PAR) BENT 3 CAP NORTH FACE BAY 6. FAILED PATCH [7 FOOT X UP TO 40 INCH] WITH MULTIPLE ADJACENT DELAMINATION [UP TO 28 INCH X 18 INCH], RUST STAIN AND EFFLORESCENCE

Bent 3 Cap 1: along the length of the cap, near top, longitudinal cracks (up to 1/8 inch x 8 foot) at random

Bent 3 Pile 4: (PAR) MULTIPLE UP TO FULL HEIGHT X 1/16 INCH VERTICAL CRACKS WITH RUST STAINING, AT RANDOM THROUGHOUT.

Bent 3 Pile 3: southwest corner, spall/delamination (6 foot x 11 inch x 5 inch x 1 inch deep) with cracks (up to 1/8 inch)

Bent 3 Pile 1: (PAR) MULTIPLE UP TO 3 FOOT X 1/16 INCH VERTICAL CRACKS WITH RUST STAINING, AT RANDOM THROUGHOUT.

Span 3 Beam 6: (NOT FOUND 2023) SPAN 3 BEAM 6 BOTTOM AND EAST WEB OVER WEST BOUND RIGHT LANE. HAS A 4 FOOT X 1 FOOT X 1 FOOT PATCHED AREA WITH SCATTERED MAP CRACKING.

Bent 1 Pile 1: 7 FOOT X UP TO 1/32 INCH VERTICAL CRACK, EAST FACE, BEGINNING AT BOTTOM OF CAP

Bent 1 Pile 3: east and west faces, spall/delamination (21 inch x full height x 1/2 inch deep) with cracks (up to 1/32 inch)

Bent 1 Pile 4: (PAR) (2)- UP TO 5 FOOT X 1/32 INCH VERTICAL CRACKS WITH RUST STAIN, EAST FACE, BEGINNING AT BOTTOM OF CAP.

Bent 2 Pile 4: west face, spall/delamination (2 foot x full height x 1/2 inch deep) with cracks (up to 1/32 inch) some with efflorescence

Bent 2 Pile 3: west face at base, delamination/spall (2 foot x 7 foot x 1/2 inch deep) with cracks (up to 1/32 inch)

Bent 2 Pile 3: west face at base, delamination/spall (2 foot x 7 foot x 1/2 inch deep) with cracks (up to 1/32 inch)

Span 3 Beam 1: at bent 2, east face at bottom, longitudinal crack (1/32 inch x 1 foot)

Span 3 Beam 2 - Near Bearing 2: active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]

Span 3 Beam 2: (PAR) at bent 2, bay 2 end diaphragm, spall/delamination (full length x full width x 8 x 2 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Bent 2 Cap 1: along the length of the cap, near top, longitudinal cracks (up to 1/16 inch x 8 foot) at random

Bent 2 Cap 1: (PAR) 8 FOOT X 3 FOOT DELAMINATION WITH MAP CRACKING UP TO 1/16 INCH WITH RUST STAINS, BOTTOM FACE, BETWEEN PILES 1 AND 2.

Bent 2 Cap 1: (PAR) 5 FOOT X 1 FOOT X UP TO 3 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS AND MULTIPLE DELAMINATIONS (UP TO 10 FOOT X FULL WIDTH OF BOTTOM X UP TO FULL HEIGHT) WITH CRACKS UP TO 1/8 INCH AND RUST STAINS, SOUTH, NORTH AND BOTTOM FACES, BETWEEN PILES 2 AND 3.

Bent 2 Cap 1: (PAR) 5 FOOT X 1 FOOT X UP TO 3 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS AND MULTIPLE DELAMINATIONS (UP TO 10 FOOT X FULL WIDTH OF BOTTOM X UP TO FULL HEIGHT) WITH CRACKS UP TO 1/8 INCH AND RUST STAINS, SOUTH, NORTH AND BOTTOM FACES, BETWEEN PILES 2 AND 3.

Bent 2 Cap 1: (PAR) [3 FOOT X UP TO 20 INCH X 5 INCH] DEEP SPALL WITH EXPOSED PRIMARY REINFORCING [SECTION LOSS UP TO 1/8 INCH], NORTH AND BOTTOM FACES, BETWEEN PILES 3 AND 4 WITH ADJACENT DELAMINATIONS [UP TO 10 FOOT X FULL WIDTH OF BOTTOM], EXTENDS UP TO FULL HEIGHT OF SOUTH FACE

Bent 2 Cap 1: (PAR) 6 INCH DIAMETER X 1 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, SOUTH FACE, UNDER BEAM 2.

Span 2 Beam 3: at bent 2, east face, delamination (7 inch x 8 inch) with cracks (up to 1/16 inch)

Span 2 Beam 5: at bent 2, east face bottom corner, spall (8 inch x 4 inch x 8 inch x 2 inch deep)

Span 2 Beam 7: (PAR) SPAN 2 BEAM 7 WEST WEB OVER BENT 2. HAS A CRACK/SPALL AND DELAMINATED AREA WITH REBAR EXPOSED. AREA IS: 7 INCH X 32 INCH X 3/4 INCH DEEP. WITH EXPOSED RUSTED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS

Span 2 Beam 8: West face at far end, delamination [10 inch x full height]

Bent 2 Cap 1: (PAR) [3 FOOT X UP TO 20 INCH X 5 INCH] DEEP SPALL WITH EXPOSED PRIMARY REINFORCING [SECTION LOSS UP TO 1/8 INCH], NORTH AND BOTTOM FACES, BETWEEN PILES 3 AND 4 WITH ADJACENT DELAMINATIONS [UP TO 10 FOOT X FULL WIDTH OF BOTTOM], EXTENDS UP TO FULL HEIGHT OF SOUTH FACE

Span 3 Beam 8: (PAR) at bent 2, bay 8 end diaphragm, spall/delamination (full length x full width x 8 x 2 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Span 3 Beam 9: (PAR) 6 FOOT X 1 FOOT X 8 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 2 DIAPHRAGM, BAY 9.

(PAR) at bent 2, bay 9 utility, metal platform, corroded and sheared

Span 2 Beam 9: FULL LENGTH X FULL WIDTH X 12 INCH X 1 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REINFORCING, IN BENT 2 DIAPHRAGM, BAY 9.

Span 2 Beam 6: FULL LENGTH X FULL WIDTH X 12 INCH X 2 INCH DEEP SPALL/DELAMINATION IN BAY 6 DIAPHRAGM AT BENT 2.

Span 2 Beam 5: (PAR) FULL LENGTH X FULL WIDTH X 10 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 2 DIAPHRAGM, BAY 5.

Span 2 Beam 3: (PAR) FULL LENGTH X FULL WIDTH X 4 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED RUSTED REBAR WITH APPROXIMATELY 25 PERCENT LOSS IN BAY 3 DIAPHRAGM AT BENT 2.

Span 2 Beam 1: (PAR) FULL LENGTH X FULL WIDTH X 4 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 2 DIAPHRAGM, BAY 1.

Span 2 Beam 10: underside at bent 1, spall/delamination [1.5 foot x full width x 1 inch deep] with exposed rusted rebar

Span 2 Beam 9: at bent 1, delamination (9 inch x 3 inch) with cracks (up to 1/8 inch)

Span 2 Beam 9: at bent 1, west face, spall/delamination (8 inch x up to full height x 1 inch deep)

Span 1 Beam 7: at bent 1, both faces, delamination (up to 5 inch x 8 inch) with cracks (up to 1/8 inch)

Span 2 Beam 5: (PAR) FULL LENGTH X FULL WIDTH X 8 INCH X 2 INCH DEEP SPALL WITH EXPOSED REINFORCING WITH APPROXIMATELY 25 PERCENT LOSS, IN BENT 1 DIAPHRAGM, BAY 5.

Span 2 Beam 6: at bent 1, west face, delamination/spall (18 inch x 9 inch x 1/2 inch deep)

Span 1 Beam 6: (PAR) at bent 1, west face, spall/delamination (5 inch x 30 inch x 1/2 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Span 2 Beam 5 - Near Bearing 5: active corrosion with section loss [up to 1/8 inch loss on plates]; anchor bolts, corrosion with section loss [approximately 75 percent remaining]

Bent 1 Cap 1: along the length of the cap, near top, longitudinal cracks (up to 1/16 inch x 8 foot) at random

Span 2 Beam 3: (PAR) FULL LENGTH X FULL WIDTH X 8 INCH X 2 INCH DEEP SPALL/DELAMINATION WITH EXPOSED RUSTED REBAR WITH APPROXIMATELY 25 PERCENT LOSS IN BAY 3 DIAPHRAGM AT BENT 1.

Span 1 Beam 3: (PAR) at bent 1, west face, spall/delamination (8 inch x 24 inch x 1/2 inch deep) with exposed rusted rebar with (approximately 25 percent loss)

Span 2 Beam 1: at bent 1, underside, spall (9 inch x 4 inch x 1 inch deep) with exposed rusted rebar

Span 2 Beam 1: at bent 1, east face, spall/delamination (6 inch x 11 inch x 1/2 inch deep) with exposed rusted rebar

Span 2 Deck: (PAR) underside of deck in bay 9 near bent 1, (2) spalls (up to 18 inch x 1 foot x 1 inch deep) with exposed rusted rebar

Span 2 Deck: (PAR) underside of deck in bay 9 near bent 1, (2) spalls (up to 18 inch x 1 foot x 1 inch deep) with exposed rusted rebar

Bent 1 Cap 1: (PAR) underside of cap between columns, delaminations (up to 10 foot x full width) extending into vertical faces (up to 1 foot) with cracks (up to 1/8 inch) with rust stains

Bent 1 Cap 1: (PAR) underside of cap between columns, delaminations (up to 10 foot x full width) extending into vertical faces (up to 1 foot) with cracks (up to 1/8 inch) with rust stains

Bent 1 Cap 1: (PAR) underside of cap between columns, delaminations (up to 10 foot x full width) extending into vertical faces (up to 1 foot) with cracks (up to 1/8 inch) with rust stains

Bent 1 Cap 1: West face, spall [4 inch diameter x 1/2 inch] with exposed rusted reinforcing [no loss noted]

Span 1 Beam 5: (PAR) at bent 1, bay 5 end diaphragm, spall/delamination (full length x full width x up to full height x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)

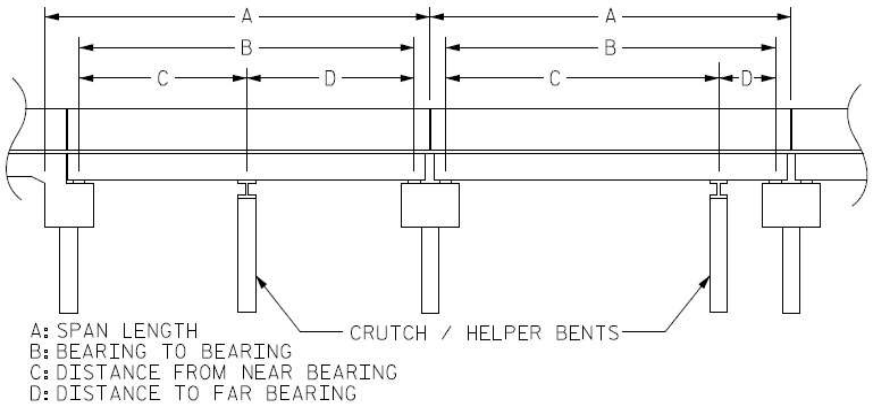
Span 1 Beam 7: (PAR) at bent 1, bay 7 end diaphragm, spall/delamination (full length x full width x up to full height x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Span 1 Beam 9: (PAR) at bent 1, bay 9 end diaphragm, spall/delamination (full length x full width x up to full height x 1 inch deep) with exposed rusted rebar (approximately 25 percent loss)

Structure Data Worksheet

Span Profile

County: **BURKE** Structure Number: **110025**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	57.000	55.167			
2	57.000	55.667			
3	57.000	55.667			
4	41.920	40.000			

Structure Number: 110025 Span: 2 Route Name: I 40 E

roadway under span 2, looking east

Route Number: 11000400	**Route Name:** I 40 E			**Reference Feature:** H
Minimum Vertical Clearance 16.940 feet	**Maximum Minimum Vertical Clearance** 17.750 feet			
Total Horizontal Clearance 41.670 feet	**Lateral Clearances: Left:** 13.240 feet **Right** 16.400 feet			
☑ **Base Highway Network**	**LRS Inventory Route, Sub Route Number** 10040			
Milepost: 103.050	**Number of Lanes:** 2	**ADT:** 23000	**Year of ADT:** 2015	**Percentage of Trucks:** 16
☑ **National Highway System**		☐ **STRAHNET Highway Designator**		
Functional Classification 11 Local Principal Arterial - Interstate		**Direction of Traffic:** 1 1 - way traffic		

Structure Number: 110025 Span: 3 Route Name: I 40 W

roadway under span 3, looking west

Route Number: 11000400	**Route Name:** I 40 W			**Reference Feature:** H
Minimum Vertical Clearance 14.930 feet	**Maximum Minimum Vertical Clearance** 15.750 feet			
Total Horizontal Clearance 42.070 feet	**Lateral Clearances: Left:** 12.833 feet **Right** 16.750 feet			
☑ **Base Highway Network**	**LRS Inventory Route, Sub Route Number** 10040			
Milepost: 103.050	**Number of Lanes:** 2	**ADT:** 23000	**Year of ADT:** 2015	**Percentage of Trucks:** 16
☑ **National Highway System**		☐ **STRAHNET Highway Designator**		
Functional Classification 11	Local Principal Arterial - Interstate	**Direction of Traffic:** 1	1 - way traffic	

Bridge Inspection Field Sketch

Roadway	54.25ft Wide	5 Paved Lanes	Looking North
Left Shoulder	4ft Wide	1ft Paved	3ft Unpaved
Right Shoulder	4ft Wide	2ft Paved	2ft Unpaved
Left Guardrail			
Right Guardrail	4ft from road		

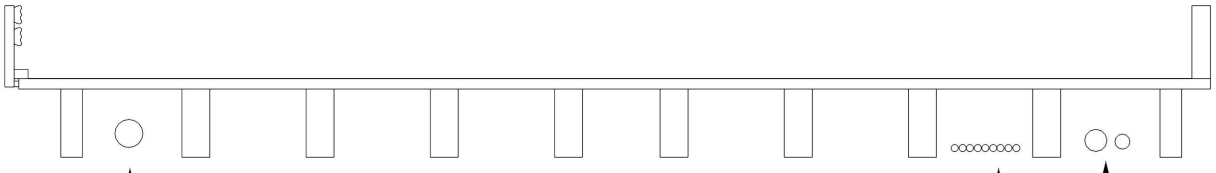
MEASUREMENTS TAKEN 60' FROM END BENT 1

Title	Description
APPROACH ROADWAY	LOOKING NORTH

Structure No:	Drawn By:	Date:	Filename:
110025	JCRODRIGUEZ	8/28/2023	S000930000245.wes

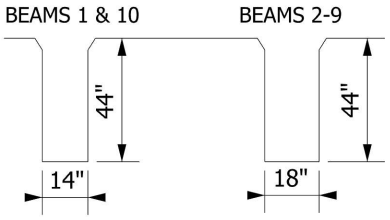
Bridge Inspection Field Sketch

Deck Width/Out to Out	65.863ft	Between Rails			62ft
Clear Roadway	56ft	Wearing Surface			3.5in
Median Width		Median Height			
Curb Height		Left	7.5in	Right	7.5in
Sidewalk Width		Left	2.92ft	Right	3.25ft
Clear Roadway (Rail to Median)		Left		Right	
Guardrail Width		Left	11in	Right	11in
Top of Rail to Deck/Wearing Surface		Left	3.917ft	Right	3.917ft
Bridge Rail Type		Left	Type 3	Right	Type 20



Measurements for Span #	1	All spans similar	
Deck Thickness	6.75in	Left Overhang	3.5ft
Top of Rail to Bottom of Beam (Avg)	8.146ft	Right Overhang	3.333ft

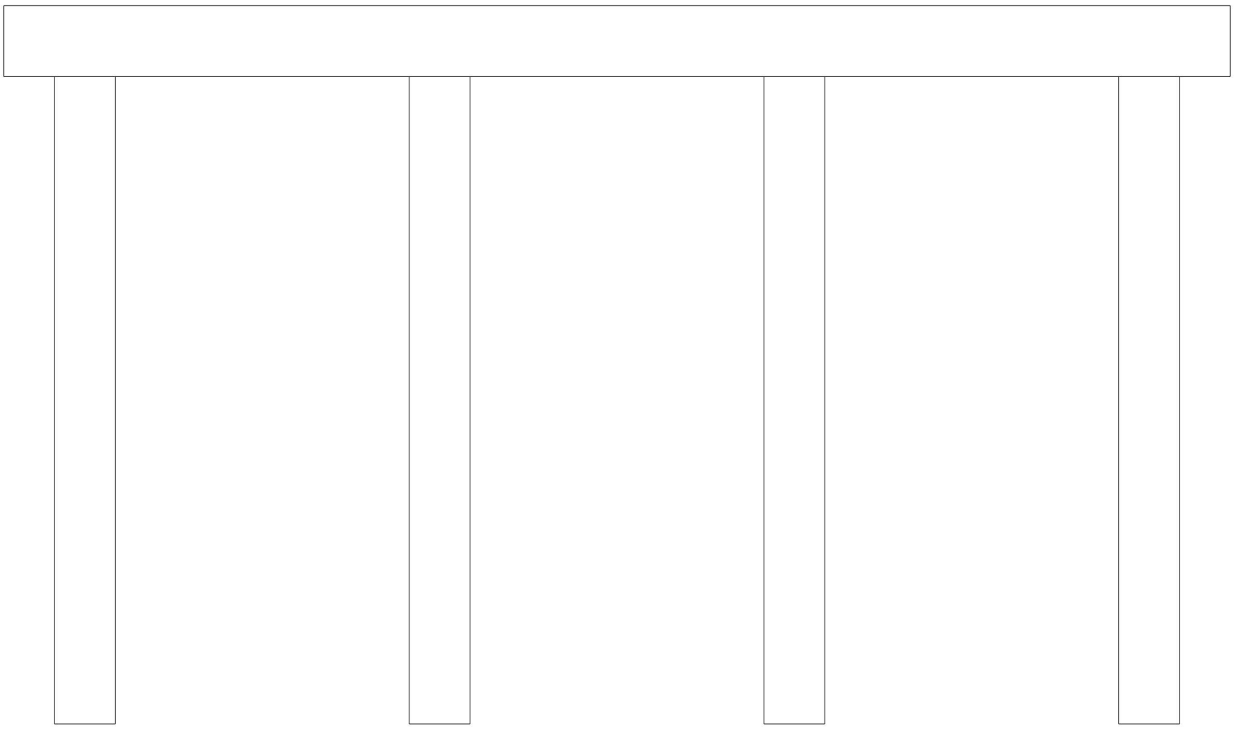
Beam #	Beam Type	Width	Height	Spacing	From
1	Reinforced Concrete Girder	14in	44in	3.5ft	Left Edge of Deck
2	Reinforced Concrete Girder	18in	44in	6.67ft	Beam 1
3	Reinforced Concrete Girder	18in	44in	6.67ft	Beam 2
4	Reinforced Concrete Girder	18in	44in	6.67ft	Beam 3
5	Reinforced Concrete Girder	18in	44in	6.67ft	Beam 4
6	Reinforced Concrete Girder	18in	44in	5.67ft	Beam 5
7	Reinforced Concrete Girder	18in	44in	6.67ft	Beam 6
8	Reinforced Concrete Girder	18in	44in	6.67ft	Beam 7
9	Reinforced Concrete Girder	18in	44in	6.67ft	Beam 8
10	Reinforced Concrete Girder	14in	44in	6.67ft	Beam 9



Title TYPICAL SECTION	Description LOOKING NORTH

Structure No: 110025	Drawn By: JCRODRIGUEZ	Date: 8/28/2023	Filename: S000930000246.wes

Bridge Inspection Field Sketch



Caps							
#	Name	Type	Length	Width	Height	Left Beam to End of Cap	Right Beam to End of Cap
1	Cap 1	Reinforced Concrete Pier Cap	60.5ft	36in	42in	2ft	1.3ft

Piles							
#	Name	Type	Spacing	From	Height/Diam.	Width	Length
1	Pile 1	Reinforced Concrete Column	4ft	Left End of Bent	36in	36in	21ft
2	Pile 2	Reinforced Concrete Column	17.5ft	Pile 1	36in	36in	21ft
3	Pile 3	Reinforced Concrete Column	17.5ft	Pile 2	36in	36in	21ft
4	Pile 4	Reinforced Concrete Column	17.5ft	Pile 3	36in	36in	21ft

Title	Description
BENT SKETCH	LOOKING NORTH

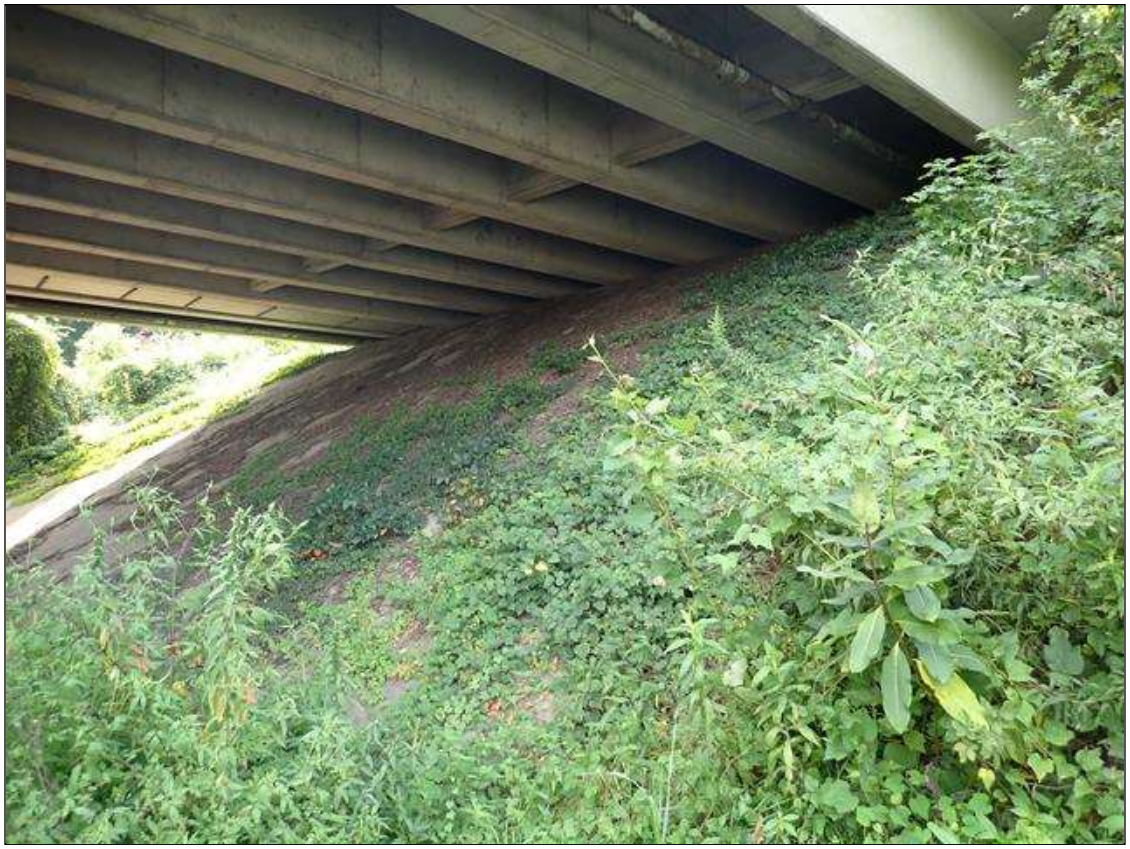
Structure No:	Drawn By:	Date:	Filename:
110025	JCRODRIGUEZ	8/28/2023	S000930000247.wes

bent 2

superstructure underside

roadway under span 2, looking east (I-40 eastbound)

west profile looking east



end bent 1 slope protection

intermediate diaphragm

end bent 1

bay 9, cast iron pipe utility (6 inch diameter) and gas line (4 inch diameter)

bay 8, (9) pvc pipes (4 inch diameter)

southeast wingwall

end bearing assembly

bay 1, gas line (6 inch diameter)

southwest wingwall

bent 1

bent 3

east profile looking west

roadway under span 3, looking west (I-40 westbound)

end bent 2 slope protection

end bent 2

northeast wingwall

northwest guardrail termination

northwest guardrail

northwest guardrail attachment

northwest guardrail transition

end bent 2 asphalt

north approach looking south

bent 3 asphalt

bent 2 asphalt

north approach looking north

south approach looking south

roadway looking west

bent 1 asphalt

end bent 1 asphalt

left bridge rail and sidewalk

asphalt wearing surface

right bridge rail and sidewalk

roadway looking east

southeast guardrail attachment

southeast guardrail transition

southeast guardrail

southeast guardrail termination

south approach looking north

ladder used

interior bearing assembly

beams over bent

northwest wingwall

northwest guardrail