NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: CHANGE TO STRUCTURE DATA, PAR SUBMITTED, REQUEST LIDAR, NEWLY STRUCTURALLY DEFICIENT

Structure Safety Report

Routine Element Inspection - Contract

STRUCTURE NUMBER: 400225 **SAP STRUCTURE NO:** 0410225 **FHWA STRUCTURE NO:** 000000000810225

DIVISION: 7 **COUNTY:** GUILFORD **INSPECTION DATE:** 10/04/2022 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: SR1115 **MILE POST:**

LOCATION: 0.3 MI. W. JCT. SR3303

FEATURE INTERSECTED: I85BUS,US29/70

LATITUDE: 36° 1' 19.08" **LONGITUDE:** 79° 49' 7.61"

REINFORCED CONCRETE DECK ON I-BEAMS

SUPERSTRUCTURE: REINFORCED CONCRETE DECK ON I-BEAMS; APPROACH SLABS

SUBSTRUCTURE: END BTS:RC CAP ON STEEL PILES,INT.BTS:4COL.RCP&B ON SPRD FTG

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** 4 / 4 **SUPERSTRUCTURE** 5 / 5 **SUBSTRUCTURE** 4 / 4 **CULVERT** N / N

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

OTHER SIGNS PRESENT: NONE

LOOKING EAST

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 W-E

DIRECTION MATCHES PLANS NO

INSPECTED BY	SIGNATURE	ASSISTED BY
Garrett Hamilton		D. Drum

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

12/02/2022

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE **400225**
(8) STRUCTURE NUMBER (FEDERAL) **0810225**
(5) INVENTORY ROUTE (ON/UNDER) ON **131011150**
(2) STATE HIGHWAY DEPARTMENT DISTRICT **7**
(3) COUNTY CODE (FEDERAL) **81** (4) PLACE CODE **28000**
(6) FEATURE INTERSECTED **I85BUS,US29/70**
(7) FACILITY CARRIED **SR1115**
(9) LOCATION **0.3 MI. W. JCT. SR3303**
(11) MILEPOINT **0.0**
(12) BASE HIGHWAY NETWORK **0**
(13) LRS INVENTORY ROUTE & SUBROUTE **0**
(16) LATITUDE **36° 1' 19.08"** (17) LONGITUDE **79° 49' 7.61"**
(98) BORDER BRIDGE STATE CODE PERCENT SHARED
(99) BORDER BRIDGE STRUCTURE NUMBER

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN **Steel**
TYPE **Stringer/Multi-beam or girder** CODE **302**
(44) STRUCTURE TYPE APPROACH
TYPE CODE
(45) NUMBER OF SPANS IN MAIN UNIT **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 **1975**
(106) YEAR RECONSTRUCTED **0**
(42) TYPE OF SERVICE ON - **Overpass Structure**
OFF - **Highway** CODE **61**
(28) LANES ON STRUCTURE **4** LANES UNDER STRUCTURE **16**
(29) AVERAGE DAILY TRAFFIC **7000**
(30) YEAR OF ADT **2019** (109) TRUCK ADT PCT **7**
(19) BYPASS OR DETOUR LENGTH **1.0**

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN **90.0**
(49) STRUCTURE LENGTH **255.0**
(50) CURB OR SIDEWALK: LEFT **0.0** RIGHT **0.0**
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB **68.0**
(52) DECK WIDTH OUT TO OUT **70.0**
(32) APPROACH ROADWAY WITH (W/ SHOULDERS) **49.0**
(33) BRIDGE MEDIAN **No median** CODE **0**
(34) SKEW **16** (35) STRUCTURE FLARED **0**
(10) INVENTORY ROUTE MIN VERT CLEAR **999.9**
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR **67.0**
(53) MIN VERT CLEAR OVER BRIDGE RDWY **999.9**
(54) MIN VERT UNDERCLEAR: REFERENCE **H** **16.4**
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE **H** **11.0**
(56) MIN LAT UNDERCLEARANCE LT: **13.3**

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 **67.16**
STATUS = **Structurally Deficient**

CLASSIFICATION		CODE
(112) NBIS BRIDGE SYSTEM		**Y**
(104) HIGHWAY SYSTEM	**Inventory Route not on NHS**	**0**
(26) FUNCTIONAL CLASS	**Urban Collector**	**17**
(100) STRAHNET HIGHWAY	**Not a STRAHNET Route**	**0**
(101) PARALLEL STRUCTURE		**0**
(102) DIRECTION OF TRAFFIC	**2-way traffic**	**2**
(103) TEMPORARY STRUCTURE		
(110) DESIGNATED NATIONAL NETWORK -	**on national network for trucks**	**0**
(20) TOLL	**On Free Road**	**3**
(21) MAINT -		**01**
(22) OWNER -		**01**
(37) HISTORICAL SIGNIFICANCE -		**5**

CONDITION	CODE
(58) DECK	**4**
(59) SUPERSTRUCTURE	**5**
(60) SUBSTRUCTURE	**4**
(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-38**	**68**
(65) INVENTORY RATING METHOD -		**1**
(66) INVENTORY RATING	**HS-22**	**40**
(70) BRIDGE POSTING	**No Posting Required**	**5**
(41) STRUCTURE OPEN, POSTED, OR CLOSED		**A**
DESCRIPTION	**Open, no restriction**	

APPRAISAL	CODE
(67) STRUCTURAL EVALUATION	**4**
(68) DECK GEOMETRY	**N**
(69) UNDERCLEARANCES, VERT & HORIZ	**4**
(71) WATERWAY ADEQUACY	**N**
(72) APPROACH ROADWAY ALIGNMENT	**8**
(36) TRAFFIC SAFETY FEATURES	**1111**
(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 **14,000** YEAR OF FUTURE ADT **2040**

INSPECTION

(90) INSPECTION DATE **10/22** (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 **400225** County **GUILFORD** Run Date **12/02/2022**

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	I85S,US29S,US70W	16000850	16.6	35.2	1	10085	12	4	19000	2015	72.8	H	16.1	23.4	19.2	5		1	☐	☐
3	I85N,US29N,US70E	16000850	17.4	35.2	1	10085	12	4	19000	2015	72.3	H	16.4	23.0	18.8	5		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** 33.875 **Skew** 71.736

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2372	Square Feet		
9	Fixed Bearing	Fixed Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9
9	Plate Girder	Steel Open Girder/Beam	2493	Feet	Legacy Non Lead Primer System with various Topcoats	2493
2	Concrete and Metal Railing	Other Bridge Railing	68	Feet		
9	Movable Bearing	Movable Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9

Span Number 2 **Span Length** 92.891 **Skew** 73.000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
9	Plate Girder	Steel Open Girder/Beam	837	Feet	Legacy Non Lead Primer System with various Topcoats	9612
1	Reinforced Concrete Deck	Reinforced Concrete Deck	6503	Square Feet		
1	Concrete Wearing Surface	Wearing Surface	4691	Square Feet		
1	Standard Joint	Pourable Joint Seal	71	Feet		
9	Movable Bearing	Movable Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9
9	Fixed Bearing	Fixed Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9
2	Concrete and Metal Railing	Other Bridge Railing	186	Feet		

Span Number 3 **Span Length** 92.030 **Skew** 74.850

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	6443	Square Feet		
9	Fixed Bearing	Fixed Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9
9	Plate Girder	Steel Open Girder/Beam	837	Feet	Legacy Non Lead Primer System with various Topcoats	9522
1	Standard Joint	Pourable Joint Seal	71	Feet		
2	Concrete and Metal Railing	Other Bridge Railing	184	Feet		

Superstructure Build Details

1	Concrete Wearing Surface	Wearing Surface	4648	Square Feet		
9	Movable Bearing	Movable Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9

Span Number 4 **Span Length** 35.708 **Skew** 71.736

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
2	Concrete Railing	Reinforced Concrete Bridge Railing	72	Feet		
1	Concrete Wearing Surface	Wearing Surface	1804	Square Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2500	Square Feet		
9	Plate Girder	Steel Open Girder/Beam	324	Feet	Legacy Non Lead Primer System with various Topcoats	2746
9	Movable Bearing	Movable Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9
9	Fixed Bearing	Fixed Bearing	9	Each	Organic Zinc Primer with Acrylic Topcoat	9
1	Standard Joint	Pourable Joint Seal	71	Feet		

Structure Element Scoring

Structure Number: **400225**

Inspection Date **10/4/2022**

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	17,818	4,767	10,439	2,612	0
107		Steel Open Girder/Beam	Beam	4,491	4,436	11	43	1
515	107	Steel Protective Coating	Beam	24,373	24,335	0	29	9
301		Pourable Joint Seal	Expansion Joints	213	176	0	16	21
311		Movable Bearing	Bearing Device	36	5	31	0	0
515	311	Steel Protective Coating	Bearing Device	36	5	14	17	0
313		Fixed Bearing	Bearing Device	36	20	11	5	0
515	313	Steel Protective Coating	Bearing Device	36	20	1	11	4
331		Reinforced Concrete Bridge Railing	Bridge Rail	72	0	72	0	0
333		Other Bridge Railing	Bridge Rail	438	0	420	18	0
510		Wearing Surface	Wearing Surfaces	11,143	11,060	0	83	0
205		Reinforced Concrete Column	Piles and Columns	12	0	2	10	0
215		Reinforced Concrete Abutment	Abutments	140	42	98	0	0
225		Steel Pile	Piles and Columns	30	30	0	0	0
234		Reinforced Concrete Pier Cap	Caps	372	99	123	150	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **400225** Inspection Date: **10/04/2022**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	10310 Square Feet
3326	Reinforced Concrete Deck	Delamination/Spall	1303 Square Feet
3326	Reinforced Concrete Deck	Exposed Rebar	3 Square Feet
3326	Reinforced Concrete Deck	Patched Areas	60 Square Feet
3314	Steel Open Girder/Beam	Corrosion	39 Feet
3348	Reinforced Concrete Column	Cracking (RC and Other)	105 Each
3348	Reinforced Concrete Column	Delamination/Spall	10 Each
3348	Reinforced Concrete Column	Patched Area	25 Each
3348	Reinforced Concrete Pier Cap	Patched Area	2 Feet
3348	Reinforced Concrete Pier Cap	Exposed Rebar	21 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	34 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	155 Feet
3310	Pourable Joint Seal	Seal Adhesion	15 Feet
3310	Pourable Joint Seal	Debris Impaction	6 Feet
3334	Fixed Bearing	Corrosion	5 Each
3318	Other Bridge Railing	Connection	1 Feet
3318	Other Bridge Railing	Delamination/Spall	1 Feet
3318	Other Bridge Railing	Cracking (RC and Other)	16 Feet
2816	Wearing Surface	Crack (Wearing Surface)	79 Square Feet
2816	Wearing Surface	Patched Area/Pothole (Wearing Surface)	4 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	84 Square Feet

Element Structure Maintenance Quantities

Structure Number: **400225** Inspection Date **10/04/2022**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Beam	3314	Maintenance Steel Superstructure Components	39	4491	1.000	43.000	11.000	4436.000
Beam	3342	Clean and Paint Steel	38	24373	9.000	29.000	0.000	24335.000
Bearing Device	3334	Bridge Bearing	0	36	0.000	0.000	31.000	5.000
Bearing Device	3334	Bridge Bearing	5	36	0.000	5.000	11.000	20.000
Bearing Device	3342	Clean and Paint Steel	30	36	0.000	17.000	14.000	5.000
Bearing Device	3342	Clean and Paint Steel	16	36	4.000	11.000	1.000	20.000
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	0	72	0.000	0.000	72.000	0.000
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	18	438	0.000	18.000	420.000	0.000
Deck	3326	Maintenance of Concrete Deck	11676	17818	0.000	2612.000	10439.000	4767.000
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	21	213	21.000	16.000	0.000	176.000
Wearing Surfaces	2816	Asphalt Surface Repair	83	11143	0.000	83.000	0.000	11060.000
Abutments	3350	Maintenance of Concrete Wings and Wall	0	140	0.000	0.000	98.000	42.000
Caps	3348	Maintenance of Concrete Substructure	212	372	0.000	150.000	123.000	99.000
Piles and Columns	3348	Maintenance of Concrete Substructure	140	12	0.000	10.000	2.000	0.000
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	30	0.000	0.000	0.000	30.000

Priority Actions Request

Structure Number **400225**

Span1

3318 **Left Bridge Rail** Concrete and Metal Railing

Priority Level	Defect Type	Quantity	Defect Description
1	Connection	1	Span 1 Left Bridge Rail: PAR: 1 BOLT OF LEFT GUARDRAIL CONNECTION AT END BENT 1 HAS FAILED, CONNECTION STILL FUNCTIONING

Span3

3326 **Deck** Reinforced Concrete Deck

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 3 Deck: PAR: 10 INCH DIAMETER X 1 INCH DEEP SPALL WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS, IN UNDERSIDE BAY 3 AT 3 FEET PAST CENTER DIAPHRAGM
2	Exposed Rebar	2	Span 3 Deck: PAR: 2 FEET X 10 INCH X 5 INCH DEEP SPALL WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS, IN UNDERSIDE OF BAY 5 OVER BENT 2

3314 **Beam 1** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Damage	2	Span 3 Beam 1: PAR: AT BENT 2 LEFT OVERHANG DIAPHRAGM, SPALL 2 FOOT WIDE X 8 INCH LONG X 2 INCH DEEP WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS

3314 **Beam 4** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 3 Beam 4: PAR: CORROSION WITH 5/16 INCH SECTION LOSS (15/16 INCH REMAINING) ON LEFT BOTTOM FLANGE FOR OUTER 2 INCH FOR 9 INCH LONG STARTING 7 INCH FROM BENT 3

Bent 3

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	1	Bent 3 Cap 1: PAR: 6 INCH X 4 INCH X 5 INCH SPALL ON PEDESTAL UNDER GIRDER 5 SPAN 4 WITH 1 INCH X 1 1/2 INCH UNDER BEARING, NO EXPOSED REINFORCEMENT

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

Element Condition and Maintenance Data

Structure Number: **400225** Inspection Date: **10/04/2022**

Span 1 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	2,372	0	1,179	1,193	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 12	Cracking (RC and Other)	SCATTERED MAP CRACKING UP TO 1/16 INCH WIDE THROUGHOUT UNDERSIDE OF DECK IN ALL SPANS	3	1,186	1,186	Square Feet
☑ 12	Delamination/Spall	LEFT EASTBOUND LANE, SPALL, 1 FOOT WIDE X 4 INCH LONG X 1 1/2 DEEP	3	1	1	Square Feet
☑ 12	Delamination/Spall	TOP OF DECK IN FAR RIGHT EASTBOUND LANE AT BENT 1, 6 FEET X 1 FOOT DELAMINATION WITH CRACKING UP TO 1/8 INCH WIDE	3	6	6	Square Feet
☑ 12	Cracking (RC and Other)	HAIRLINE MAP CRACKING TOPSIDE WITH WEARING SCATTERED THROUGHOUT	2	1,179	1,179	Square Feet
☑ 12	Cracking (RC and Other)	SCATTERED HAIRLINE TRANSVERSE CRACKS IN UNDERSIDE OF BOTH OVERHANGS, (4) IN NORTH OVERHANG, (6) IN SOUTH OVERHANG	2			Square Feet

General Comments

Span 1 Left Bridge Rail

Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	34	0	24	10	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 333	Connection	PAR: 1 BOLT OF LEFT GUARDRAIL CONNECTION AT END BENT 1 HAS FAILED, CONNECTION STILL FUNCTIONING	3	1	1	Feet
☑ 333	Cracking (RC and Other)	MAP CRACKING UP TO 1/16 INCH WIDE X UP TO FULL HEIGHT NEAR BENT 1 FOR 8 FEET LONG	3	8	8	Feet
☑ 333	Delamination/Spall	6 INCH X 3 INCH X 1 INCH DEEP SPALL AT BENT 1, NO EXPOSED REINFORCEMENT	3	1	1	Feet
☑ 333	Cracking (RC and Other)	HAIRLINE VERTICAL CRACKING THROUGHOUT, UP TO FULL HEIGHT	2	24		Feet
☑ 333	Deterioration (Other)	SCATTERED ABRASION WITH EXPOSED AGGREGATE THROUGHOUT, AGGREGATE STABLE	2			Feet

General Comments

Span 1 Right Bridge Rail

Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	34	0	34	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 333	Cracking (RC and Other)	HAIRLINE VERTICAL CRACKING THROUGHOUT, UP TO FULL HEIGHT	2	34		Feet

General Comments

Span 1 Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	277	276	1	0	0	Feet
515	Steel Protective Coating	277	277	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Damage	AT BENT 1 LEFT OVERHANG DIAPHRAGM, DELAMINATION, 12 INCH X 6 INCH WITH RUST STAINS	2	1		Feet

General Comments

Span 1 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	277	276	0	1	0	Feet
515	Steel Protective Coating	277	276	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	AT BENT 1, CORROSION WITH 1/8 INCH SECTION LOSS (7/16 INCH REMAINING) ON TOP 1 INCH OF WEB FOR 9 INCH LONG	3	1	1	Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVEINESS, CORROSION NOT FULLY ARRESTED	3	1	1	Square Feet

General Comments

Span 1 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	277	276	0	1	0	Feet
515	Steel Protective Coating	277	276	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	AT BENT 1, CORROSION WITH 1/8 INCH SECTION LOSS (7/16 INCH REMAINING) ON TOP 6 INCH OF WEB FOR 9 INCH	3	1	1	Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	1	1	Square Feet

General Comments

Span 1 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	277	276	1	0	0	Feet
515	Steel Protective Coating	277	276	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	AT BENT 1, TOP 9 INCHES OF WEB HAS A REPAIR PLATE, 9 INCH HIGH X 9 INCH LONG X 1/2 INCH THICK WITH RUST SCALE	2	1		Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	AT BENT 1, LIMITED EFFECTIVENESS, NO PROTECTION OF UNDERLYING METAL	3	1	1	Square Feet

General Comments

Span 1 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	277	276	0	1	0	Feet
515	Steel Protective Coating	277	276	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	AT BENT 1, CORROSION WITH 1/8 INCH SECTION LOSS (7/16 INCH REMAINING) ON TOP 1 INCH OF WEB FOR 9 INCH LONG	3	1	1	Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	1	1	Square Feet

General Comments

Span 1 Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	277	276	0	1	0	Feet
515	Steel Protective Coating	277	276	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	AT BENT 1, CORROSION WITH 1/8 INCH SECTION LOSS (7/16 INCH REMAINING) ON TOP 6 INCH AND BOTTOM 6 INCH OF WEB FOR 9 INCH LONG	3	1	1	Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	1	1	Square Feet

General Comments

Span 1 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	277	276	0	1	0	Feet
515	Steel Protective Coating	277	276	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	AT BENT 1, CORROSION WITH 1/8 INCH SECTION LOSS (7/16 INCH REMAINING) ON TOP 3 INCH AND BOTTOM 6 INCH OF WEB FOR 9 INCH LONG	3	1	1	Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	1	1	Square Feet

General Comments

Span 1 Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	FRECKLED RUST ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST PRESENT	2	1	1	Square Feet

General Comments

Span 1 Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	FRECKLED RUST ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST PRESENT	2	1	1	Square Feet

General Comments

Span 1 — Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 1 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 1 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	FRECKLED RUST ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST PRESENT	2	1	1	Square Feet

General Comments

Span 1 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each

☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 1 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 1 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 1 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	FRECKLED RUST ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST RUST ON BEARING PLATES	2	1		Square Feet

General Comments

Span 1 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 311	Corrosion	FRECKLED RUST ON BEARING PLATES	2	1		Each
☑ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST PRESENT	2	1	1	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	6,503	3,520	2,460	523	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 12	Cracking (RC and Other)	BAY 4 STARTING 15 FEET FROM BENT 2, 2 AREAS UP TO 20 SQUARE FEET OF CRACKING UP TO 1/16 INCH WIDE WITH RUST STAINING	3	40	40	Square Feet
☑ 12	Delamination/Spall	3 FEET WIDE DELAMINATION ALONG LEFT SHOULDER FOR ENTIRE SPAN LENGTH	3	460	460	Square Feet
☑ 12	Delamination/Spall	5 INCH X 9 INCH X 5 INCH DEEP SPALL ON LEFT SHOULDER AT BENT 1 JOINT, REBAR COVERED BY PACKED DEBRIS	3	5	5	Square Feet
☑ 12	Delamination/Spall	6 FEET X 6 INCH X 5 INCH DEEP SPALL ON LEFT SHOULDER AT BENT 2 JOINT, REBAR COVERED BY PACKED DEBRIS	3	6	6	Square Feet
☑ 12	Delamination/Spall	MIDSPAN, ALONG RIGHT SHOULDER, 12 SQUARE FEET OF DELAMINATION	3	12	12	Square Feet
☑ 12	Cracking (RC and Other)	HAIRLINE MAP CRACKING IN TOP OF LEFT AND RIGHT SHOULDERS FOR FULL WIDTH OF SHOULDER X FULL LENGTH OF SPAN	2	1,260	1,260	Square Feet
☑ 12	Cracking (RC and Other)	HAIRLINE MAP CRACKING WITH EFFLORESCENCE SCATTERED THROUGHOUT UNDERSIDE	2	1,200	1,200	Square Feet

General Comments

Span 2 — Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	88	1	4	0	Feet
515	Steel Protective Coating	1,068	1,065	0	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

☑ **107**	Corrosion	CORROSION WITH 1/8 INCH SECTION LOSS (1 1/8 INCH REMAINING) ON BOTTOM FLANGES FOR OUTER 2 INCH FOR 3 FEET AT BENT 1 AND 1/8 INCH SECTION LOSS (5/8 INCH REMAINING) ON TOP 1 INCH OF WEB FOR 9 INCH LONG AT BENT 1	3	3	3	Feet
☑ **107**	Damage	AT BENT 1 BAY 1 DIAPHRAGM, SPALL, 1 FOOT LONG X 2 INCH HIGH X 1 INCH DEEP	3	1		Feet
☑ **107**	Damage	AT BENT 1 LEFT OVERHANG DIAPHRAGM, DELAMINATION, 12 INCH X 6 INCH WITH EFFLORESCENCE	2	1		Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	3	3	Square Feet

General Comments

Span 2 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	92	0	1	0	Feet
515	Steel Protective Coating	1,068	1,067	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION WITH 1/8 INCH SECTION LOSS (5/8 INCH REMAINING) ON TOP 1 INCH OF WEB FOR 9 INCH LONG AT BENT 1	3	1	1	Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	1	1	Square Feet

General Comments

Span 2 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	92	0	1	0	Feet
515	Steel Protective Coating	1,068	1,067	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION WITH 1/8 INCH SECTION LOSS (5/8 INCH REMAINING) ON TOP 6 INCH OF WEB FOR 9 INCH LONG AT BENT 1	3	1	1	Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	1	1	Square Feet

General Comments

Span 2 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	91	0	2	0	Feet
515	Steel Protective Coating	1,068	1,067	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	3/16 INCH SECTION LOSS (9/16 INCH REMAINING) ON LOWER 10 INCH AND TOP 3 INCH OF WEB FOR 10 INCH LONG AT BENT 1. CORROSION HAS BEEN ARRESTED	3	1	1	Feet
☑ **107**	Damage	BENT 1 BAY 5 DIAPHRAGM, SPALL, 10 INCH X 3 INCH X 1 INCH DEEP	3	1		Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	1	1	Square Feet

General Comments

Span 2 Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	91	0	2	0	Feet
515	Steel Protective Coating	1,068	1,067	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	AT BENT 2, FULL HEIGHT OF WEB, PITTING UP TO 1/16 INCH DEEP WITH RUST STAINS	3	1	1	Feet
☑ **107**	Corrosion	CORROSION WITH 1/8 INCH SECTION LOSS (5/8 INCH REMAINING) ON TOP 6 INCH AND BOTTOM 6 INCH OF WEB FOR 9 INCH LONG AT BENT 1	3	1	1	Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	1	1	Square Feet

General Comments

Span 2 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	92	0	1	0	Feet
515	Steel Protective Coating	1,068	1,067	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION WITH 1/8 INCH SECTION LOSS (5/8 INCH REMAINING) ON TOP 3 INCH AND BOTTOM 6 INCH OF WEB FOR 9 INCH LONG AT BENT 1	3	1	1	Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	1	1	Square Feet

General Comments

Span 2 — Beam 9

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	92	0	1	0	Feet
515	Steel Protective Coating	1,068	1,067	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION WITH 1/8 INCH SECTION LOSS (5/8 INCH REMAINING) ON TOP 1 INCH OF WEB FOR 9 INCH LONG AT BENT 3	3	1	1	Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	1	1	Square Feet

General Comments

Span 2 — Bent 1 Expansion Joint

Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	71	56	0	0	15	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **301**	Seal Adhesion	WESTBOUND LANES, SEPARATION OF JOINT MATERIAL OVER BENT 1, UP TO FULL DEPTH OF FILLER MATERIAL	4	15	15	Feet

General Comments

Span 2 — Left Bridge Rail

Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	93	0	85	8	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **333**	Cracking (RC and Other)	MAP CRACKING UP TO 1/16 INCH WIDE FOR UP TO FULL HEIGHT OF RAIL FOR 8 FEET LONG AT BENT 1	3	8	8	Feet
☑ **333**	Cracking (RC and Other)	SCATTERED HAIRLINE VERTICAL CRACKING THROUGHOUT, UP TO FULL HEIGHT	2	85		Feet

General Comments

Span 2 — Right Bridge Rail

Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	93	0	93	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

☑ **333**	Cracking (RC and Other)	SCATTERED HAIRLINE VERTICAL CRACKING THROUGHOUT, UP TO FULL HEIGHT OF RAIL	2	93	Feet

General Comments

Span 2 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	FRECKLED RUST ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST PRESENT	2	1	1	Square Feet

General Comments

Span 2 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	FRECKLED RUST ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST PRESENT	2	1	1	Square Feet

General Comments

Span 2 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	FRECKLED RUST ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST PRESENT	2	1	1	Square Feet

General Comments

Span 2 Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 311	Corrosion	FRECKLED RUST ON BEARING PLATES	2	1		Each
☑ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST PRESENT	2	1	1	Square Feet

General Comments

Span 2 Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 311	Corrosion	FRECKLED RUST ON BEARING PLATES	2	1		Each
☑ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST PRESENT	2	1	1	Square Feet

General Comments

Span 2 Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 311	Corrosion	FRECKLED RUST ON BEARING PLATES	2	1		Each
☑ 515	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST PRESENT	2	1	1	Square Feet

General Comments

Span 2 Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 311	Corrosion	FRECKLED RUST ON BEARING PLATES	2	1		Each

☑ **515**	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST PRESENT	2	1	1	Square Feet

General Comments

Span 2 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	FRECKLED RUST ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST PRESENT	2	1	1	Square Feet

General Comments

Span 2 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	FRECKLED RUST ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST PRESENT	2	1	1	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	6,443	1,247	4,415	781	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **12**	Delamination/Spall	4 FEET X 6 INCH X 5 INCH DEEP SPALL WITH EXPOSED REBAR IN UNDERSIDE OF BAY 6 OVER BENT 3, NO SECTION LOSS	3	4	4	Square Feet
☑ **12**	Delamination/Spall	DELAMINATION 360 SQUARE FEET IN WESTBOUND SHOULDER AND 360 SQUARE FEET IN EASTBOUND SHOULDER	3	720	720	Square Feet
☑ **12**	Delamination/Spall	UP TO 4 FEET X 1 FOOT X 5 INCH DEEP SPALL ON LEFT SHOULDER AT BENT 2 JOINT, REBAR COVERED BY PACKED DEBRIS	3	4	4	Square Feet
☑ **12**	Exposed Rebar	PAR: 10 INCH DIAMETER X 1 INCH DEEP SPALL WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS, IN UNDERSIDE BAY 3 AT 3 FEET PAST CENTER DIAPHRAGM	3	1	1	Square Feet

☑ **12**	Exposed Rebar	PAR: 2 FEET X 10 INCH X 5 INCH DEEP SPALL WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS, IN UNDERSIDE OF BAY 5 OVER BENT 2	3	2	2	Square Feet
☑ **12**	Patched Areas	LEFT SHOULDER, UP TO 50 SQUARE FEET OF UNSOUND PATCHED AREAS WITH CRACKS UP TO 1/16 INCH WIDE WITH EFFLORESCENCE	3	50	50	Square Feet
☑ **12**	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKING IN LEFT AND RIGHT SHOULDERS FOR FULL WIDTH OF SHOULDER X FULL LENGTH OF SPAN	2	1,200		Square Feet
☑ **12**	Cracking (RC and Other)	SCATTERED THROUGHOUT BOTH OVERHANGS, HAIRLINE TRANSVERSE CRACKS WITH EFFLORESCENCE	2	540	540	Square Feet
☑ **12**	Cracking (RC and Other)	THROUGHOUT UNDERSIDE IN ALL BAYS, HAIRLINE CRACKS WITH EFFLORESCENCE	2	2,500	2,500	Square Feet
☑ **12**	Patched Areas	IN BAYS 2 AND 3, SCATTERED FORMWORK LEFT IN PLACE	2	175		Square Feet

General Comments

Span 3 — Bent 2 Expansion Joint

Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	71	65	0	0	6	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **301**	Debris Impaction	LEFT SHOULDER, JOINT IS COMPLETELY FILLED WITH VEGETATION GROWTH	4	6	6	Feet

General Comments

Span 3 — Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	90	0	3	0	Feet
515	Steel Protective Coating	1,058	1,057	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION WITH 1/16 INCH SECTION LOSS FULL HEIGHT OF WEB AT END OF BEAM	3	1	1	Feet
☑ **107**	Damage	PAR: AT BENT 2 LEFT OVERHANG DIAPHRAGM, SPALL 2 FOOT WIDE X 8 INCH LONG X 2 INCH DEEP WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS	3	2		Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	1	1	Square Feet

General Comments

Span 3 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	91	1	1	0	Feet
515	Steel Protective Coating	1,058	1,057	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION WITH SECTION LOSS (0.99 INCH REMAINING) ON BOTH BOTTOM FLANGES FOR OUTER 2 INCH FOR 1 FOOT AT BENT 3	3	1	1	Feet
☑ **107**	Corrosion	WELDED REPAIR TO BOTH SIDES OF BOTH BEARING STIFFENERS AT BENT 3, 9 INCH X 8 INCH X 3/8 INCH THICK STEEL PLATE	2	1		Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	COATING FAILING, CORROSION WITH SECTION LOSS AT BENT 3	4	1	1	Square Feet

General Comments

Span 3 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	90	1	2	0	Feet
515	Steel Protective Coating	1,058	1,057	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION WITH 1/8 INCH SECTION LOSS (5/8 INCH REMAINING) ON LOWER 4 INCH OF WEB FOR 2 FEET LONG AT BENT 3	3	2	2	Feet
☑ **107**	Corrosion	WELDED REPAIR TO BOTH SIDES OF BOTH BEARING STIFFENERS AT BENT 3, 9 INCH X 8 INCH X 3/8 INCH THICK STEEL PLATE	2	1		Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	1	1	Square Feet

General Comments

Span 3 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	91	1	0	1	Feet
515	Steel Protective Coating	1,058	1,057	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	PAR: CORROSION WITH 5/16 INCH SECTION LOSS (15/16 INCH REMAINING) ON LEFT BOTTOM FLANGE FOR OUTER 2 INCH FOR 9 INCH LONG STARTING 7 INCH FROM BENT 3	4	1	1	Feet
☑ **107**	Corrosion	WELDED REPAIR TO BOTH SIDES OF BOTH BEARING STIFFENERS AT BENT 3, 9 INCH X 8 INCH X 3/8 INCH THICK STEEL PLATE	2	1		Feet

☑ **515**	Effectiveness (Steel Protective Coatings)	COATING FAILING ON BOTTOM FLANGE NEAR BENT 3, CORROSION WITH SECTION LOSS PRESENT	4	1	1	Square Feet

General Comments

Span 3 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	91	1	1	0	Feet
515	Steel Protective Coating	1,058	1,057	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION ARRESTED WITH PAINT, 1/2 INCH SECTION LOSS (3/4 INCH REMAINING) ON BOTH BOTTOM FLANGES FOR OUTER 2 INCH FOR 1 FOOT STARTING AT BENT 3	3	1	1	Feet
☑ **107**	Corrosion	AT BENT 2, TOP 6 INCHES OF WEB HAS A REPAIR PLATE, 6 INCH X 6 INCH X 1/2 INCH THICK WITH RUST SCALE	2	1		Feet
☑ **107**	Corrosion	WELDED REPAIR TO BOTH SIDES OF BOTH BEARING STIFFENERS AT BENT 3, 9 INCH X 8 INCH X 3/8 INCH THICK STEEL PLATE	2			Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	COATING FAILING ON BOTTOM FLANGE AT BENT 3, CORROSION WITH SECTION LOSS PRESENT	4	1	1	Square Feet

General Comments

Span 3 Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	90	0	3	0	Feet
515	Steel Protective Coating	1,058	1,056	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION WITH 1/16 INCH PITTING (11/16 INCH REMAINING) ON FULL HEIGHT OF WEB AT BENT 2	3	1	1	Feet
☑ **107**	Corrosion	CORROSION WITH 1/4 INCH SECTION LOSS (1 INCH REMAINING) ON BOTTOM FLANGES FOR OUTER 2 INCH FOR 6 INCH LONG AT BENT 3	3	1	1	Feet
☑ **107**	Corrosion	WELDED PLATE REPAIR TO BOTH SIDES OF LEFT BEARING STIFFENER AT BENT 3, 5 INCH HIGH X 4 INCH WIDE X 3/8 INCH THICK WITH RUST SCALE	3	1	1	Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	2	2	Square Feet

General Comments

Span 3 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	91	0	2	0	Feet
515	Steel Protective Coating	1,058	1,056	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION WITH 1/8 INCH SECTION LOSS (5/8 INCH REMAINING) ON LOWER 6 INCH OF WEB FOR 20 INCH LONG AT BENT 3 AND 1/4 INCH SECTION LOSS (1 INCH REMAINING) ON BOTTOM FLANGES FOR OUTER 2 INCH FOR 1 FOOT STARTING 8 INCH FROM BENT 3	3	2	2	Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	2	2	Square Feet

General Comments

Span 3 Beam 8

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	91	0	2	0	Feet
515	Steel Protective Coating	1,058	1,056	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION WITH 1/16 INCH SECTION LOSS (5/8 INCH REMAINING) ON LOWER 3 INCH OF WEB AND 1/16 INCH SECTION LOSS (1 3/16 INCH REMAINING) ON BOTTOM FLANGES FOR OUTER 2 INCH FOR 2 FEET LONG AT BENT 3	3	2	2	Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	2	2	Square Feet

General Comments

Span 3 Beam 9

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	93	92	0	1	0	Feet
515	Steel Protective Coating	1,058	1,057	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION WITH 1/8 INCH SECTION LOSS (5/8 INCH REMAINING) ON TOP 1 INCH OF WEB FOR 9 INCH LONG AT BENT 3	3	1	1	Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 313	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 313	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 313	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ 515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

☑ **313**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 3 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	FRECKLED RUST ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	COATING IS SUBSTANTIALLY EFFECTIVE, FRECKLED RUST PRESENT	2	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 3 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 3 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 3 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each

☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 3 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 3 — Wearing Surface

Concrete Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	4,648	4,620	0	28	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **510**	Crack (Wearing Surface)	SCATTERED TRANSVERSE CRACKING UP TO 1/16 INCH WIDE FOR 50 PERCENT OF PAVED JOINT LENGTH AT BENT 2	3	24	24	Square Feet
☑ **510**	Patched Area/Pothole (Wearing Surface)	WESTBOUND LANE, 10 FEET FROM BENT 2, 2 POTHOLES UP TO 2 FOOT DIAMETER WITH ADJACENT CRACKS UP TO 1/16 INCH WIDE	3	4	4	Square Feet

General Comments

Span 3 — Left Bridge Rail

Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	92	0	92	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **333**	Cracking (RC and Other)	SCATTERED HAIRLINE VERTICAL CRACKING THROUGHOUT, UP TO FULL HEIGHT	2	92		Feet

General Comments

Span 3 — Right Bridge Rail

Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	92	0	92	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **333**	Cracking (RC and Other)	SCATTERED HAIRLINE VERTICAL CRACKING THROUGHOUT, UP TO FULL HEIGHT	2	92		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	2,500	0	2,385	115	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **12**	Cracking (RC and Other)	8 FEET TRANSVERSE CRACK UP TO 1/16 INCH WIDE IN FAR RIGHT EASTBOUND TRAVEL LANE NEAR END BENT 2	3	20	20	Square Feet
☑ **12**	Delamination/Spall	26 FEET X 3 FEET DELAMINATION AT CENTERLINE AND WESTBOUND LANES AT END BENT 2 WITH (2) SPALLS UP TO 2 FEET X 9 INCH X 1 1/2 INCH DEEP, NO EXPOSED REINFORCEMENT	3	82	82	Square Feet

☑ **12**	Delamination/Spall	BENT 3 LEFT OVERHANG SOFFIT, 8 INCH DIAMETER DELAMINATION	3	1	1	Square Feet
☑ **12**	Delamination/Spall	EASTBOUND LANE AT END BENT 2, SPALL, 18 INCH WIDE X 8 INCH LONG X UP TO 1 INCH DEEP	3	2	2	Square Feet
☑ **12**	Patched Areas	NEAR CENTERLINE OF ROAD IN EASTBOUND LANE, UNSOUND ASPHALT PATCH, 5 FEET WIDE X 2 FEET LONG WITH AREAS OF SPALLS UP TO 2 INCH DEEP	3	10	10	Square Feet
☑ **12**	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKING THROUGHOUT DECK UNDERSIDE	2	1,700	1,700	Square Feet
☑ **12**	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKING THROUGHOUT EXPOSED TOPSIDE	2	685	685	Square Feet

General Comments

Span 4 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	36	32	1	3	0	Feet
515	Steel Protective Coating	292	289	0	0	3	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION ARRESTED WITH PAINT, 3/16 INCH SECTION LOSS (9/16 INCH REMAINING) ON BOTH BOTTOM FLANGES FOR OUTER 2 INCH FOR 3 FEET STARTING 1.5 FEET FROM BENT 3 WITH 1/8 INCH SECTION LOSS (7/16 INCH REMAINING) ON LOWER 4 INCH OF WEB IN SAME AREA	3	3	3	Feet
☑ **107**	Corrosion	AT BENT 3, LEFT BEARING STIFFENER HAS WELDED REPAIR PLATE, 5 INCH X 5 INCH X 1/2 INCH THICK WITH RUST SCALE	2	1		Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING FAILING, CORROSION WITH SECTION LOSS PRESENT	4	3	3	Square Feet

General Comments

Span 4 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	36	34	0	2	0	Feet
515	Steel Protective Coating	292	290	0	0	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION HAS BEEN ARRESTED WITH PAINT, 3/4 INCH SECTION LOSS (1/2 INCH REMAINING) ON BOTTOM LEFT FLANGE FOR OUTER 2 INCH FOR 18 INCH LONG STARTING 8 INCH FROM BENT 3	3	2	2	Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING FAILING AT BENT 3, CORROSION WITH SECTION LOSS PRESENT	4	2	2	Square Feet

General Comments

Span 4 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	36	33	0	3	0	Feet
515	Steel Protective Coating	292	291	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION WITH 1/8 INCH SECTION LOSS (5/8 INCH REMAINING) ON BOTTOM FLANGES FOR OUTER 2 INCH FOR 2 FEET LONG AT BENT 3	3	2	2	Feet
☑ **107**	Corrosion	WELDED STEEL PLATE REPAIR AT END OF BEAM BEHIND BEARING STIFFENER AT BENT 3, 6 INCH LONG X FULL HEIGHT WITH RUST SCALE	3	1		Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	1	1	Square Feet

General Comments

Span 4 Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	36	34	1	1	0	Feet
515	Steel Protective Coating	292	291	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION HAS BEEN ARRESTED WITH PAINT, 3/16 INCH SECTION LOSS (9/16 INCH REMAINING) ON TOP 6 INCH OF WEB FOR 10 INCH LONG AT BENT 3	3	1	1	Feet
☑ **107**	Corrosion	WELDED PLATE REPAIR TO BOTH SIDES OF LEFT BEARING STIFFENER AT BENT 3, 5 INCH HIGH X 4 INCH WIDE X 3/8 INCH THICK	2	1		Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING FAILING AT BENT 3, CORROSION WITH SECTION LOSS PRESENT	4	1	1	Square Feet

General Comments

Span 4 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	36	34	0	2	0	Feet
515	Steel Protective Coating	292	290	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION WITH 1/8 INCH SECTION LOSS (5/8 INCH REMAINING) ON BOTTOM FLANGES FOR OUTER 2 INCH FOR 15 INCH LONG STARTING 8 INCH FROM BENT 3 AND 1/8 INCH SECTION LOSS (7/16 INCH REMAINING) ON TOP 8 INCH OF WEB FOR 10 INCH LONG AT BENT 3	3	2	2	Feet

☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	2	2	Square Feet	

General Comments

Span 4 Beam 8

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	36	34	2	0	0	Feet
515	Steel Protective Coating	292	290	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **107**	Corrosion	CORROSION WITH 1/16 INCH SECTION LOSS (11/16 INCH REMAINING) ON BOTTOM FLANGES FOR OUTER 1 INCH FOR 2 FEET STARTING AT BENT 3 AND 1/16 INCH SECTION LOSS (1/2 INCH REMAINING) ON LOWER 3 INCH AND TOP 5 INCH OF WEB FOR 10 INCH AT BENT 3	2	2		Feet
☑ **515**	Effectiveness (Steel Protective Coatings)	SECTION LOSS PAINTED OVER, COATING HAS LIMITED EFFECTIVENESS, CORROSION NOT FULLY ARRESTED	3	2	2	Square Feet

General Comments

Span 4 Bent 3 Expansion Joint

Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	71	55	0	16	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **301**	Seal Adhesion	LOSS OF SEAL ADHESION ALONG EXPOSED JOINT IN SHOULDERS	3	16		Feet

General Comments

Span 4 Wearing Surface

Concrete Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,804	1,749	0	55	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **510**	Crack (Wearing Surface)	TRANSVERSE CRACK UP TO 1/4 INCHES WIDE AT BENT 3 JOINT	3	55	55	Square Feet

General Comments

Span 4 — Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	36	0	36	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **331**	Cracking (RC and Other)	SCATTERED HAIRLINE VERTICAL CRACKING THROUGHOUT, UP TO FULL HEIGHT	2	36		Feet

General Comments

Span 4 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 4 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **313**	Corrosion	CORROSION WITH PACK RUST, NO SECTION LOSS	3	1	1	Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 4 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 4 — Far Bearing

Fixed Bearing

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

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	CORROSION WITH PACK RUST, NO SECTION LOSS	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	COATING FAILING, PACK RUST PRESENT	4	1	1	Square Feet

General Comments

Span 4 — Near Bearing

Movable Bearing

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

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑	**515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 4 — Far Bearing

Fixed Bearing

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

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	CORROSION WITH PACK RUST, NO SECTION LOSS	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	COATING FAILING, PACK RUST PRESENT	4	1	1	Square Feet

General Comments

Span 4 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

☑ **311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 4 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 4 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 4 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 4 — Far Bearing

Fixed Bearing

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

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	CORROSION WITH PACK RUST, NO SECTION LOSS	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	COATING FAILING, PACK RUST PRESENT	4	1	1	Square Feet

General Comments

Span 4 — Near Bearing

Movable Bearing

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

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each
☑	**515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	Square Feet

General Comments

Span 4 — Far Bearing

Fixed Bearing

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

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**313**	Corrosion	CORROSION WITH PACK RUST, NO SECTION LOSS	3	1	1	Each
☑	**515**	Effectiveness (Steel Protective Coatings)	COATING FAILING PACK RUST PRESENT	4	1	1	Square Feet

General Comments

Span 4 — Near Bearing

Movable Bearing

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

	Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑	**311**	Corrosion	SURFACE CORROSION ON BEARING PLATES	2	1		Each

☑ **515**	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING INEFFECTIVE, SURFACE CORROSION PRESENT	3	1	1	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	36	0	36	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **331**	Cracking (RC and Other)	SCATTERED HAIRLINE VERTICAL CRACKING THROUGHOUT, UP TO FULL HEIGHT	2	36		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	81	61	20	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **234**	Cracking (RC and Other)	SCATTERED VERTICAL HAIRLINE CRACKS UP TO 1 FOOT HIGH ALONG FACE OF END BENT CAP	2	7		Feet
☑ **234**	Patched Area	PATCHED AREA UNDER GIRDER 1, 3 FEET LONG WITH WOOD FORM LEFT IN PLACE	2	3		Feet
☑ **234**	Patched Area	SOUND PATCHED AREA UNDER BAY 2 AND GIRDER 2, 10 FEET LONG X FULL HEIGHT OF CAP	2	10		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	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **205**	Patched Area	15 FEET OF SEALED CRACK, SOME WITH RUST STAINING	3	1	15	Each

General Comments

Bent 1 — Pile 2

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **205**	Cracking (RC and Other)	1/4 INCH VERTICAL CRACKING UP TO 8 FEET HIGH	3	1	8	Each

☑ **205**	Delamination/Spall	STARTING AT BOTTOM OF PILE ON EAST FACE, DELAMINATION 4 FOOT HIGH X 1 FOOT WIDE	3	4	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**	Cracking (RC and Other)	8 FEET OF CRACKING UP TO 1/4 INCH WIDE (2 CRACKS TOTAL)	3	1	8	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**	Cracking (RC and Other)	8 FEET OF CRACKING UP TO 1/16 INCH WIDE	3	1	8	Each

General Comments

Bent 1 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	71	0	62	9	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **234**	Cracking (RC and Other)	1/4 INCH DIAGONAL CRACK ON PEDESTAL UNDER GIRDER 7 SPAN 1	3	1	1	Feet
☑ **234**	Delamination/Spall	14 INCH X 3 INCH X 1 INCH DEEP SPALL ON PEDESTAL UNDER GIRDER 4 SPAN 1 WITH NO LOSS OF BEARING AT EAST END OF BEAM, NO EXPOSED REINFORCEMENT	3	2	2	Feet
☑ **234**	Delamination/Spall	EAST FACE, BELOW GIRDER 7, DELAMINATED AREA UP TO 6 FEET LONG X 2 FEET HIGH WITH HAIRLINE CRACKS AND RUST STAINING	3	6	6	Feet
☑ **234**	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKING THROUGHOUT FULL LENGTH OF CAP, UP TO FULL HEIGHT	2	60		Feet
☑ **234**	Patched Area	14 INCH X 3 INCH SOUND PATCH ON PEDESTAL UNDER GIRDER 4 SPAN 1	2			Feet
☑ **234**	Patched Area	PATCHED PREVIOUS PRIORITY MAINTENANCE UNDER GIRDER 5 SPAN 1	2	1		Feet
☑ **234**	Patched Area	PATCHED PREVIOUS PRIORITY MAINTENANCE UNDER GIRDER 6 SPAN 1	2			Feet
☑ **234**	Patched Area	SOUND PATCH 1/16 INCH WIDE CRACKING ON NORTH FACE	2	1		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	70	0	70	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 215	Cracking (RC and Other)	HAIRLINE MAP CRACKING THROUGHOUT FULL LENGTH OF BACKWALL	2	70		Feet

General Comments

Bent 2 — Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	71	0	12	59	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 234	Cracking (RC and Other)	1/16 INCH VERTICAL AND HORIZONTAL CRACKING THROUGHOUT EAST AND WEST FACES AND UNDERSIDE	3	46	71	Feet
☑ 234	Cracking (RC and Other)	FULL WIDTH X FULL HEIGHT AREA OF MAP CRACKING ON NORTH END OF CAP UP TO 1/4 INCH WIDE WITH EFFLORESCENCE BUILDUP AND RUST STAINING	3	1	1	Feet
☑ 234	Delamination/Spall	(5) DELAMINATIONS UP TO 1 FOOT DIAMETER SCATTERED THROUGHOUT EAST FACE	3	5	5	Feet
☑ 234	Delamination/Spall	DELAMINATION ON EAST FACE OF CAP ABOVE COLUMN 1, 2 FEET WIDE X FULL HEIGHT	3	2	2	Feet
☑ 234	Delamination/Spall	WEST FACE BELOW GIRDER 5 AT BOTTOM OF CAP, DELAMINATION 2 FOOT LONG X 6 INCH HIGH	3		2	Feet
☑ 234	Patched Area	PATCHED PREVIOUS PRIORITY MAINTENANCE ON WEST FACE UNDER GIRDER 5 WITH DELAMINATED AREAS UP TO 2 FOOT DIAMETER	3	5	2	Feet
☑ 234	Exposed Rebar	4 INCH LENGTH OF EXPOSED REINFORCEMENT IN TOP OF EAST FACE OF CAP BELOW BEAM 1, NO SECTION LOSS	2			Feet
☑ 234	Exposed Rebar	ALONG CAP SOFFIT, 12 FEET OF EXPOSED REBAR CHAIRS	2	12	12	Feet

General Comments

Bent 2 — Pile 1

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ 205	Patched Area	FULL HEIGHT PATCHED AREAS ON WEST FACE WITH RUST STAINS	3	1	10	Each

General Comments

Bent 2 Pile 2

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**	Patched Area	SOUND PATCHED AREAS ON EAST AND WEST FACES, 4 FEET HIGH AT BASE OF COLUMN	2	1		Each

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	SOUTHEAST FACE STARTING AT GROUND LINE, 6 FOOT HIGH X 2 FOOT WIDE DELAMINATION WITH CRACK UP TO 1/8 INCH WIDE	3		6	Each
☑ **205**	Patched Area	PATCHED AREAS WITH HAIRLINE CRACKS ON WEST FACE AND SOUTH FACE, 4 FEET WIDE X 7 FEET HIGH	3	1		Each
☑ **205**	Scour	20 INCH X 24 INCH X 10 INCH DEEP HOLE AT BASE OF PILE 3 ON WEST FACE	2			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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **205**	Patched Area	(3) SOUND PATCHED AREAS ON WEST FACE, UP TO 10 FEET HIGH BEGINNING AT TOP OF COLUMN	2	1		Each

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	79	38	17	24	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **234**	Cracking (RC and Other)	10 FEET HORIZONTAL CRACK UP TO 1/8 INCH WIDE IN FACE OF CAP BELOW BAY 2	3	10	10	Feet
☑ **234**	Delamination/Spall	1 FOOT DIAMETER DELAMINATION IN CAP BELOW BEAM 8	3	1	1	Feet

☑ **234**	Delamination/Spall	6 FEET LONG X 8 INCH HIGH DELAMINATION WITH RUST STAINING IN FACE OF CAP BELOW BAY 1 AND BAY 3 WITH 12 INCH X 3 INCH X 1/2 INCH DEEP SPALL BELOW BAY 3, NO EXPOSED REINFORCEMENT	3	12	12	Feet
☑ **234**	Delamination/Spall	BEAM 2 BEARING SEAT IS DELAMINATED FOR 1 FOOT LONG	3	1	1	Feet
☑ **234**	Cracking (RC and Other)	(3) HORIZONTAL HAIRLINE CRACKS WITH EFFLORESCENCE SCATTERED THROUGHOUT CAP, UP TO 4 FEET	2	9		Feet
☑ **234**	Cracking (RC and Other)	SCATTERED VERTICAL HAIRLINE CRACKS UP TO FULL HEIGHT OF CAP	2	8		Feet

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	70	42	28	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **215**	Cracking (RC and Other)	FULL LENGTH HORIZONTAL HAIRLINE CRACK IN BAY 5 BACKWALL	2	9		Feet
☑ **215**	Cracking (RC and Other)	HAIRLINE MAP CRACKING IN BACKWALL OUTSIDE OF GIRDER 1, 2 FEET X 2 FEET	2	2		Feet
☑ **215**	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKING IN BACKWALL OF BAY 3 AND BAY 4, FULL WIDTH X UP TO 2 FEET HIGH	2	17		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	70	0	12	58	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **234**	Cracking (RC and Other)	MAP CRACKING UP TO 1/16 INCH WIDE THROUGHOUT	3	53	70	Feet
☑ **234**	Cracking (RC and Other)	MAP CRACKING UP TO 1/4 INCH WIDE WITH EFFLORESCENCE AND RUST STAINING IN EAST FACE OF CAP ABOVE COLUMN 1, 2 FEET WIDE X 3.5 FEET HIGH	3	2	2	Feet
☑ **234**	Delamination/Spall	18 INCH X 6 INCH X 5 INCH SPALL ON PEDESTAL UNDER END OF SPAN 4 GIRDER 4, NO EXPOSED REBAR, NO BEARING LOSS	3	2	2	Feet
☑ **234**	Delamination/Spall	PAR: 6 INCH X 4 INCH X 5 INCH SPALL ON PEDESTAL UNDER GIRDER 5 SPAN 4 WITH 1 INCH X 1 1/2 INCH UNDER BEARING, NO EXPOSED REINFORCEMENT	3	1	1	Feet
☑ **234**	Exposed Rebar	ALONG SOFFIT, 9 FEET OF EXPOSED REBAR CHAIRS	2	9	9	Feet
☑ **234**	Patched Area	SOUND PATCHED AREA ON WEST FACE UNDER GIRDER 7	2	2		Feet
☑ **234**	Patched Area	SOUND PATCHED SPALL ON EAST FACE UNDER GIRDER 4	2	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**	Cracking (RC and Other)	FULL HEIGHT 1/8 INCH WIDE VERTICAL CRACK	3	1	10	Each

General Comments

Bent 3 Pile 2

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
☑ **205**	Cracking (RC and Other)	(3) VERTICAL CRACKS UP TO FULL HEIGHT X 1/8 INCH WIDE	3	1	30	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**	Cracking (RC and Other)	(4) SCATTERED VERTICAL CRACKS UP TO 11 FEET X 1/4 INCH WIDE	3	1	11	Each
☑ **205**	Patched Area	PATCHED AREA, WEST FACE, 2 FEET WIDE X FULL HEIGHT WITH AREA OF DELAMINATION 4 FEET ABOVE GROUND, 16 INCH IN DIAMETER	3			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**	Cracking (RC and Other)	(3) VERTICAL CRACKS UP TO FULL HEIGHT X 1/8 INCH WIDE	3	1	30	Each

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2372
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	277
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	277
Span 1	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	34
Span 1	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	34
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	6503
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	93
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	93
Span 2	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	93
Span 2	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	93
Span 2	Bent 1 Expansion Joint	Standard Joint	Pourable Joint Seal	71
Span 2	Wearing Surface	Concrete Wearing Surface	Wearing Surface	4691
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	6443
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	93
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	93
Span 3	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	92
Span 3	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	92
Span 3	Bent 2 Expansion Joint	Standard Joint	Pourable Joint Seal	71
Span 3	Wearing Surface	Concrete Wearing Surface	Wearing Surface	4648
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2500
Span 4	Beam 1	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 2	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 3	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 4	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 5	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 6	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 7	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 8	Plate Girder	Steel Open Girder/Beam	36
Span 4	Beam 9	Plate Girder	Steel Open Girder/Beam	36
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	36
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	36
Span 4	Bent 3 Expansion Joint	Standard Joint	Pourable Joint Seal	71
Span 4	Wearing Surface	Concrete Wearing Surface	Wearing Surface	1804
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	71
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	81
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	70
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	71
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1

Elements Verfied

Location	Name	Component	Element Name	Amount
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	79
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	70
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	70
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

Bent 1 Pile 1

piles not visible for inspection

Bent 2 Pile 1

piles not visible for inspection

National Bridge and NC Inspection Items

Structure Number: 400225 **Inspection Date:** 10/04/2022

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**4**
Item 59: Superstructure	0 - 9 , N	**5**
Item 60: Substructure	0 - 9 , N	**4**
Item 61: Channel and Channel Protection	0 - 9 , N	**N**
Item 62: Culvert	0 - 9 , N	**N**
Item 71: Waterway Adequacy	0 - 9 , N	**N**
Item 72: Approach Roadway Alignment	0 - 9 , N	**8**

Note:

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	**F**	**2**	**3332**
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	**G**	**0**	**3352**
Scour	G, F, P, or C			
Wingwall	G, F, P, or C	**F**	**7**	**3350**
Field Scour Evaluation		**N**		
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		**B**		

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	**10**
Traffic Control Time	Hours	**4**
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: 400225 **Inspection Date:** 10/04/2022

Item Deck - Item 58 **Grade** 4 **Maint Code** **Qty.** 0

Details DELAMINATED AREAS AT TOPSIDE ALONG SHOULDER
POOR SPALLS AT JOINTS AT SHOULDERS
SOFFIT HAS CRACKING WITH EFFLORESCENCE AND RUST STAINS THROUGHOUT
SOFFIT AT BENT 2 HAS SPALL WITH EXPOSED REBAR
SPAN 3 HAS WOOD FORMWORK IN PLACE AT PREVIOUS PATCHES

Item Superstructure - Item 59 **Grade** 5 **Maint Code** **Qty.** 0

Details BEAM ENDS HAVE CORROSION WITH SECTION LOSS AND SOME WITH WELDED REPAIR PLATES WITH RUST SCALE

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

Details BENT CAPS HAVE DELAMINATIONS AND CRACKS SCATTERED THROUGHOUT
SPALL UNDERMINING BEAM BEARING AT BENT 3
PILES HAVE POOR CRACKS WITH DELAMINATIONS THROUGHOUT

Item Priority Maintenance Issued **Grade** Y **Maint Code** **Qty.** 0

Details BEAM ENDS HAVE CORROSION WITH SECTION LOSS
DECK SOFFIT AT BENT 2 HAS SPALL WITH EXPOSED REBAR WITH SECTION LOSS
BENT 3 CAP AT BEAM BEARING HAS SPALL UNDERMINING BEARING

Item Drainage System **Grade** F **Maint Code** 3332 **Qty.** 2

Details NORTHWEST CATCH BASIN CLOGGED WITH DEBRIS

Item Wingwalls **Grade** F **Maint Code** 3350 **Qty.** 7

Details NORTHEAST WINGWALL AT TOP LEFT CORNER, SPALL, 4 INCH DIAMETER X 1/4 INCH DEEP
SOUTHEAST WINGWALL, ALONG TOP, 4 SPALLS UP TO 16 INCH LONG X 6 INCH WIDE X 1 INCH DEEP
SOUTHWEST WINGWALL AT TOP CORNER, 2 SPALLS, UP TO 1 FOOT LONG X 5 INCH HIGH X 1 INCH DEEP

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

Details END BENT 2 SLOPE PROTECTION AT SOUTHEAST CORNER, 50 SQUARE FEET OF VEGETATION GROWTH
NORTHEAST GUARDRAIL TERMINAL, 1 FOOT OF IMPACT DAMAGE
SOUTHEAST GUARDRAIL, STARTING 27 FEET FROM END BENT 2, 15 FEET OF IMPACT DAMAGE WITH UP TO 1 FOOT OF HORIZONTAL DISPLACEMENT
WEST APPROACH ASPHALT WEARING SURFACE HAS LONGITUDINAL CRACKS UP TO 1/4 INCH WIDE WITH POTHOLES UP TO 6 INCH DIAMETER X 1 INCH DEEP
SOUTHWEST GUARDRAIL, STARTING 115 FEET FROM BRIDGE, 20 FEET OF GUARDRAIL DAMAGE WITH UP TO 1 FOOT HORIZONTAL DISPLACEMENT
END BENT 1 SLOPE PROTECTION AT PILE 4, 250 SQUARE FEET OF VEGETATION GROWTH

Span 3 Deck: IN BAYS 2 AND 3, SCATTERED FORMWORK LEFT IN PLACE

Span 3 Deck: SCATTERED THROUGHOUT BOTH OVERHANGS, HAIRLINE TRANSVERSE CRACKS WITH EFFLORESCENCE

Span 3 Deck: PAR: 10 INCH DIAMETER X 1 INCH DEEP SPALL WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS, IN UNDERSIDE BAY 3 AT 3 FEET PAST CENTER DIAPHRAGM, NO SECTION LOSS

Span 4 Beam 1 - Far Bearing: CORROSION WITH PACK RUST, NO SECTION LOSS

End Bent 2 Cap 1: 6 FEET LONG X 8 INCH HIGH DELAMINATION WITH RUST STAINING IN FACE OF CAP BELOW BAY 1 AND BAY 3 WITH 12 INCH X 3 INCH X 1/2 INCH DEEP SPALL BELOW BAY 3, NO EXPOSED REINFORCEMENT

End Bent 2 Abutment: SCATTERED HAIRLINE MAP CRACKING IN BACKWALL OF BAY 3 AND BAY 4, FULL WIDTH X UP TO 2 FEET HIGH

End Bent 2 Cap 1: BEAM 2 BEARING SEAT IS DELAMINATED FOR 1 FOOT LONG

END BENT 2 SLOPE PROTECTION AT SOUTHEAST CORNER, 50 SQUARE FEET OF VEGETATION GROWTH

NORTHEAST WINGWALL AT TOP LEFT CORNER, SPALL, 4 INCH DIAMETER X 1/4 INCH DEEP

NORTHEAST GUARDRAIL TERMINAL, 1 FOOT OF IMPACT DAMAGE

Span 4 Deck: 26 FEET X 3 FEET DELAMINATION AT CENTERLINE AND WESTBOUND LANES AT END BENT 2 WITH (2) SPALLS UP TO 2 FEET X 9 INCH X 1 1/2 INCH DEEP, NO EXPOSED REINFORCEMENT

Span 4 Deck: NEAR CENTERLINE OF ROAD IN EASTBOUND LANE, UNSOUND ASPHALT PATCH, 5 FEET WIDE X 2 FEET LONG WITH AREAS OF SPALLS UP TO 2 INCH DEEP

Span 4 Expansion Joint: LOSS OF SEAL ADHESION ALONG EXPOSED JOINT IN SHOULDERS

Span 3 Deck: DELAMINATION 360 SQUARE FEET IN WESTBOUND SHOULDER AND 360 SQUARE FEET IN EASTBOUND SHOULDER

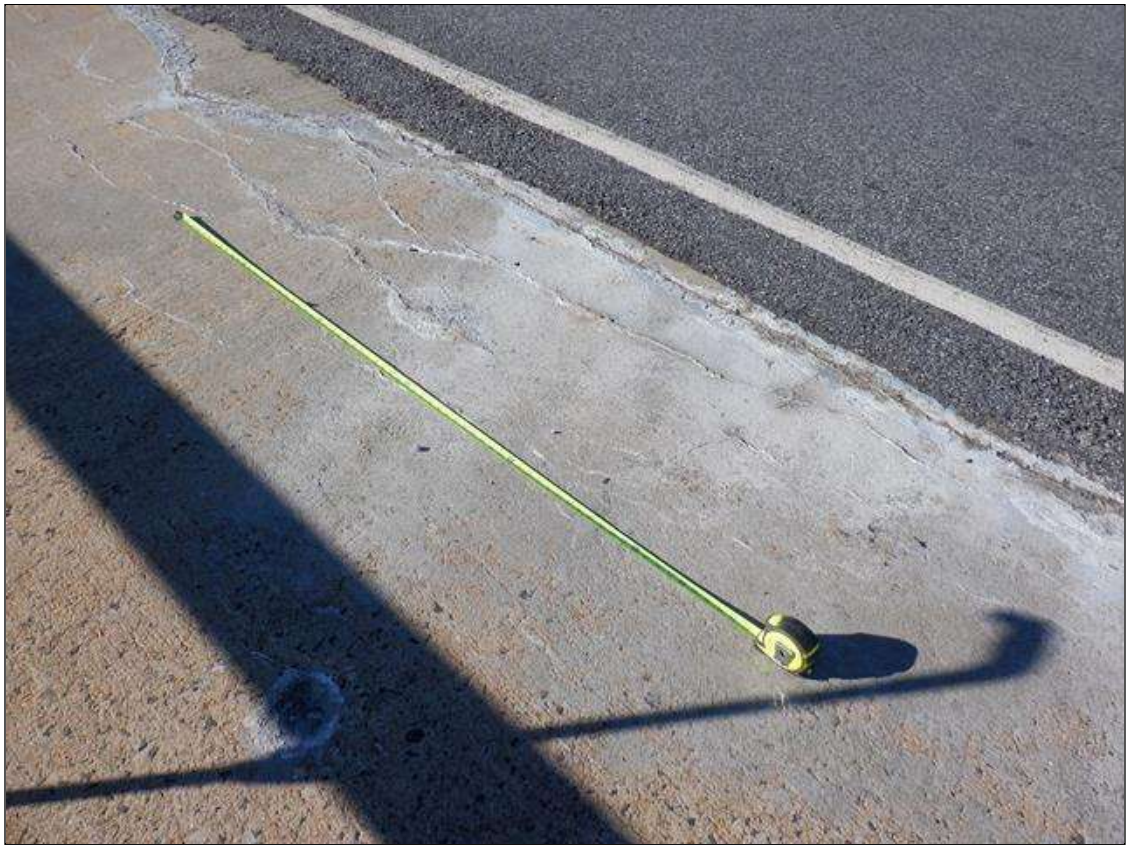
Span 4 Deck: EASTBOUND LANE AT END BENT 2, SPALL, 18 INCH WIDE X 8 INCH LONG X UP TO 1 INCH DEEP

SOUTHEAST GUARDRAIL, STARTING 27 FEET FROM END BENT 2, 15 FEET OF IMPACT DAMAGE WITH UP TO 1 FOOT OF HORIZONTAL DISPLACEMENT

SOUTHEAST WINGWALL, ALONG TOP, 4 SPALLS UP TO 16 INCH LONG X 6 INCH WIDE X 1 INCH DEEP

Span 4 Right Bridge Rail: SCATTERED HAIRLINE VERTICAL CRACKING THROUGHOUT, UP TO FULL HEIGHT

Span 4 Deck: 8 FEET TRANSVERSE CRACK UP TO 1/16 INCH WIDE IN FAR RIGHT EASTBOUND TRAVEL LANE NEAR END BENT 2



Span 3 Deck: LEFT SHOULDER, UP TO 50 SQUARE FEET OF UNSOUND PATCHED AREAS WITH CRACKS UP TO 1/16 INCH WIDE WITH EFFLORESCENCE

Span 3 Expansion Joint: LEFT SHOULDER, JOINT IS COMPLETELY FILLED WITH VEGETATION GROWTH

Span 3 Deck: UP TO 4 FEET X 1 FOOT X 5 INCH DEEP SPALL ON LEFT SHOULDER AT BENT 2 JOINT, REBAR COVERED BY PACKED DEBRIS

Span 2 Deck: 6 FEET X 6 INCH X 5 INCH DEEP SPALL ON LEFT SHOULDER AT BENT 2 JOINT, REBAR COVERED BY PACKED DEBRIS

Span 3 Wearing Surface: WESTBOUND LANE, 10 FEET FROM BENT 2, 2 POTHOLES UP TO 2 FOOT DIAMETER WITH ADJACENT CRACKS UP TO 1/16 INCH WIDE

Span 3 Wearing Surface: SCATTERED TRANSVERSE CRACKING UP TO 1/16 INCH WIDE FOR 50 PERCENT OF PAVED JOINT LENGTH AT BENT 2

Span 2 Deck: HAIRLINE MAP CRACKING IN TOP OF LEFT AND RIGHT SHOULDERS FOR FULL WIDTH OF SHOULDER X FULL LENGTH OF SPAN

Span 2 Deck: 3 FEET WIDE DELAMINATION ALONG LEFT SHOULDER FOR ENTIRE SPAN LENGTH

Span 2 Deck: MIDSPAN, ALONG RIGHT SHOULDER, 12 SQUARE FEET OF DELAMINATION

Span 2 Expansion Joint: WESTBOUND LANES, SEPARATION OF JOINT MATERIAL OVER BENT 1, UP TO FULL DEPTH OF FILLER MATERIAL

Span 2 Deck: 5 INCH X 9 INCH X 5 INCH DEEP SPALL ON LEFT SHOULDER AT BENT 1 JOINT, REBAR COVERED BY PACKED DEBRIS

Span 1 Deck: HAIRLINE MAP CRACKING TOPSIDE WITH WEARING SCATTERED THROUGHOUT

Span 1 Deck: TOP OF DECK IN FAR RIGHT EASTBOUND LANE AT BENT 1, 6 FEET X 1 FOOT DELAMINATION WITH CRACKING UP TO 1/8 INCH WIDE

Span 1 Deck: LEFT EASTBOUND LANE, SPALL, 1 FOOT WIDE X 4 INCH LONG X 1 1/2 DEEP

WEST APPROACH ASPHALT WEARING SURFACE HAS LONGITUDINAL CRACKS UP TO 1/4 INCH WIDE WITH POTHOLES UP TO 6 INCH DIAMETER X 1 INCH DEEP

SOUTHWEST GUARDRAIL, STARTING 115 FEET FROM BRIDGE, 20 FEET OF GUARDRAIL DAMAGE WITH UP TO 1 FOOT HORIZONTAL DISPLACEMENT

SOUTHWEST WINGWALL AT TOP CORNER, 2 SPALLS, UP TO 1 FOOT LONG X 5 INCH HIGH X 1 INCH DEEP

End Bent 1 Cap 1: SCATTERED VERTICAL HAIRLINE CRACKS UP TO 1 FOOT HIGH ALONG FACE OF END BENT CAP

End Bent 1 Cap 1: SOUND PATCHED AREA UNDER BAY 2 AND GIRDER 2, 10 FEET LONG X FULL HEIGHT OF CAP

Span 1 Beam 2 - Near Bearing: SURFACE CORROSION ON BEARING PLATES

End Bent 1 Abutment: HAIRLINE MAP CRACKING THROUGHOUT FULL LENGTH OF BACKWALL

NORTHWEST CATCH BASIN CLOGGED WITH DEBRIS

Span 1 Left Bridge Rail: PAR: 1 BOLT OF LEFT GUARDRAIL CONNECTION AT END BENT 1 HAS FAILED, CONNECTION STILL FUNCTIONING

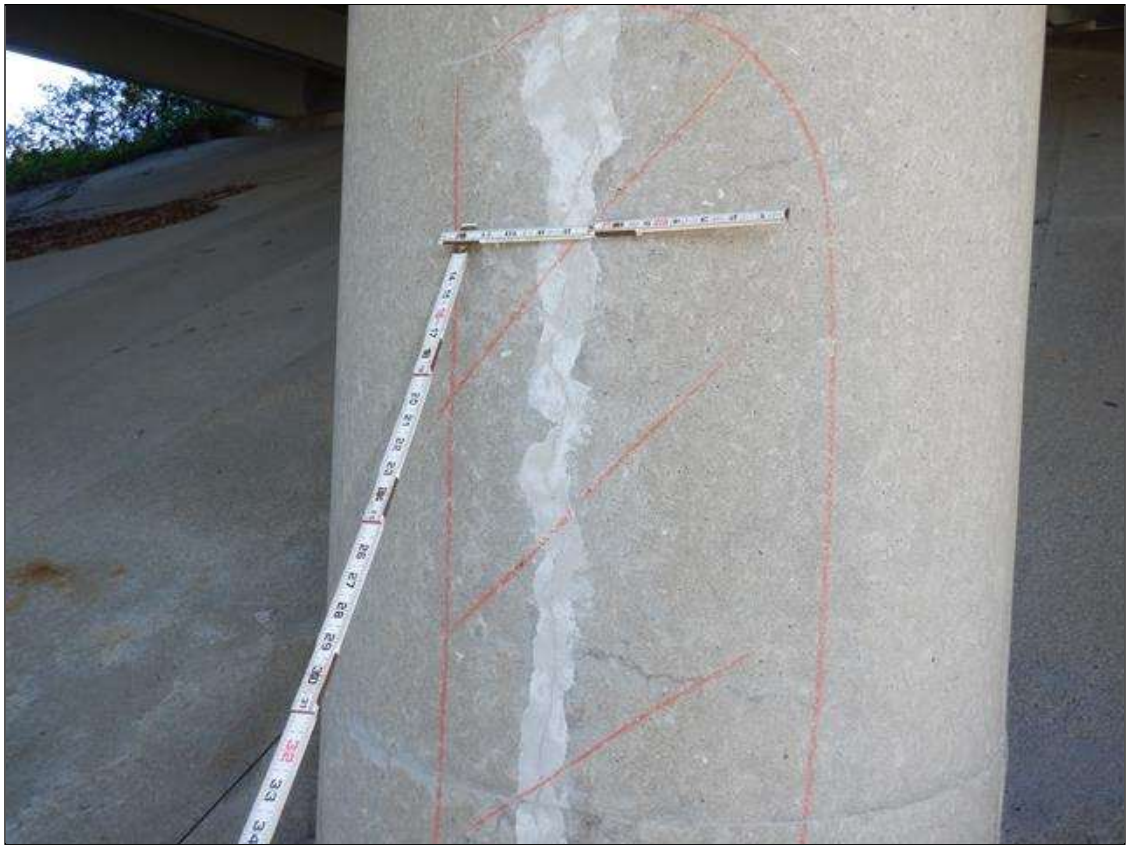
Bent 1 Cap 1: SCATTERED HAIRLINE MAP CRACKING THROUGHOUT FULL LENGTH OF CAP, UP TO FULL HEIGHT

Bent 1 Pile 1: 15 FEET OF SEALED CRACK, SOME WITH RUST STAINING

Span 1 Beam 1: AT BENT 1 LEFT OVERHANG DIAPHRAGM, DELAMINATION, 12 INCH X 6 INCH WITH RUST STAINS

Span 2 Beam 1: AT BENT 1 LEFT OVERHANG DIAPHRAGM, DELAMINATION, 12 INCH X 6 INCH WITH EFFLORESCENCE

Bent 1 Pile 2: 1/4 INCH VERTICAL CRACKING UP TO 8 FEET HIGH



Bent 1 Pile 2: STARTING AT BOTTOM OF PILE ON EAST FACE, DELAMINATION 4 FOOT HIGH X 1 FOOT WIDE

Bent 1 Cap 1: PATCHED PREVIOUS PRIORITY MAINTENANCE UNDER GIRDER 5 SPAN 1

Bent 1 Cap 1: EAST FACE, BELOW GIRDER 7, DELAMINATED AREA UP TO 6 FOOT LONG X 2 FOOT HIGH WITH HAIRLINE CRACKS AND RUST STAINING

Bent 1 Pile 4: 8 FEET OF CRACKING UP TO 1/16 INCH WIDE

END BENT 1 SLOPE PROTECTION AT PILE 4, 250 SQUARE FEET OF VEGETATION GROWTH

Span 2 Beam 5: 3/16 INCH SECTION LOSS (9/16 INCH REMAINING) ON LOWER 10 INCH AND TOP 3 INCH OF WEB FOR 10 INCH LONG AT BENT 1. CORROSION HAS BEEN ARRESTED

Bent 1 Cap 1: PATCHED PREVIOUS PRIORITY MAINTENANCE UNDER GIRDER 5 SPAN 1

Span 2 Beam 5 - Near Bearing: FRECKLED RUST ON BEARING PLATES

Bent 1 Cap 1: PATCHED PREVIOUS PRIORITY MAINTENANCE UNDER GIRDER 6 SPAN 1

Span 2 Beam 5: BENT 1 BAY 5 DIAPHRAGM, SPALL, 10 INCH X 3 INCH X 1 INCH DEEP

Span 1 Beam 4: AT BENT 1, TOP 9 INCHES OF WEB HAS A REPAIR PLATE, 9 INCH HIGH X 9 INCH LONG X 1/2 INCH THICK WITH RUST SCALE

Bent 1 Cap 1: 14 INCH X 3 INCH X 1 INCH DEEP SPALL ON PEDESTAL UNDER GIRDER 4 SPAN 1 WITH NO LOSS OF BEARING AT EAST END OF BEAM, NO EXPOSED REINFORCEMENT

Span 2 Beam 1: AT BENT 1 BAY 1 DIAPHRAGM, SPALL, 1 FOOT LONG X 2 INCH HIGH X 1 INCH DEEP

Span 2 Deck: HAIRLINE MAP CRACKING WITH EFFLORESCENCE SCATTERED THROUGHOUT UNDERSIDE

Span 3 Beam 1: PAR: AT BENT 2 LEFT OVERHANG DIAPHRAGM, SPALL 2 FOOT WIDE X 8 INCH LONG X 2 INCH DEEP WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS

Bent 2 Pile 1: FULL HEIGHT PATCHED AREAS ON WEST FACE WITH RUST STAINS

Bent 2 Cap 1: ALONG CAP SOFFIT, 12 FEET OF EXPOSED REBAR CHAIRS

Bent 2 Cap 1: (5) DELAMINATIONS UP TO 1 FOOT DIAMETER SCATTERED THROUGHOUT EAST FACE

Bent 2 Cap 1: PATCHED PREVIOUS PRIORITY MAINTENANCE ON WEST FACE UNDER GIRDER 5 WITH DELAMINATED AREAS UP TO 2 FOOT DIAMETER

Span 3 Beam 5: AT BENT 2, TOP 6 INCHES OF WEB HAS A REPAIR PLATE, 6 INCH X 6 INCH X 1/2 INCH THICK WITH RUST SCALE

Span 3 Deck: PAR: 2 FEET X 10 INCH X 5 INCH DEEP SPALL WITH EXPOSED REBAR, 5 PERCENT SECTION LOSS, IN UNDERSIDE OF BAY 5 OVER BENT 2

Span 3 Beam 6: CORROSION WITH 1/16 INCH PITTING (11/16 INCH REMAINING) ON FULL HEIGHT OF WEB AT BENT 2

Bent 2 Cap 1: WEST FACE BELOW GIRDER 5 AT BOTTOM OF CAP, DELAMINATION 2 FOOT LONG X 6 INCH HIGH

Bent 2 Pile 3: PATCHED AREAS WITH HAIRLINE CRACKS ON WEST FACE AND SOUTH FACE, 4 FEET WIDE X 7 FEET HIGH

Bent 2 Pile 3: SOUTHEAST FACE STARTING AT GROUND LINE, 6 FOOT HIGH X 2 FOOT WIDE DELAMINATION WITH CRACK UP TO 1/8 INCH WIDE

Bent 2 Pile 3: 20 INCH X 24 INCH X 10 INCH DEEP HOLE AT BASE OF PILE 3 ON WEST FACE

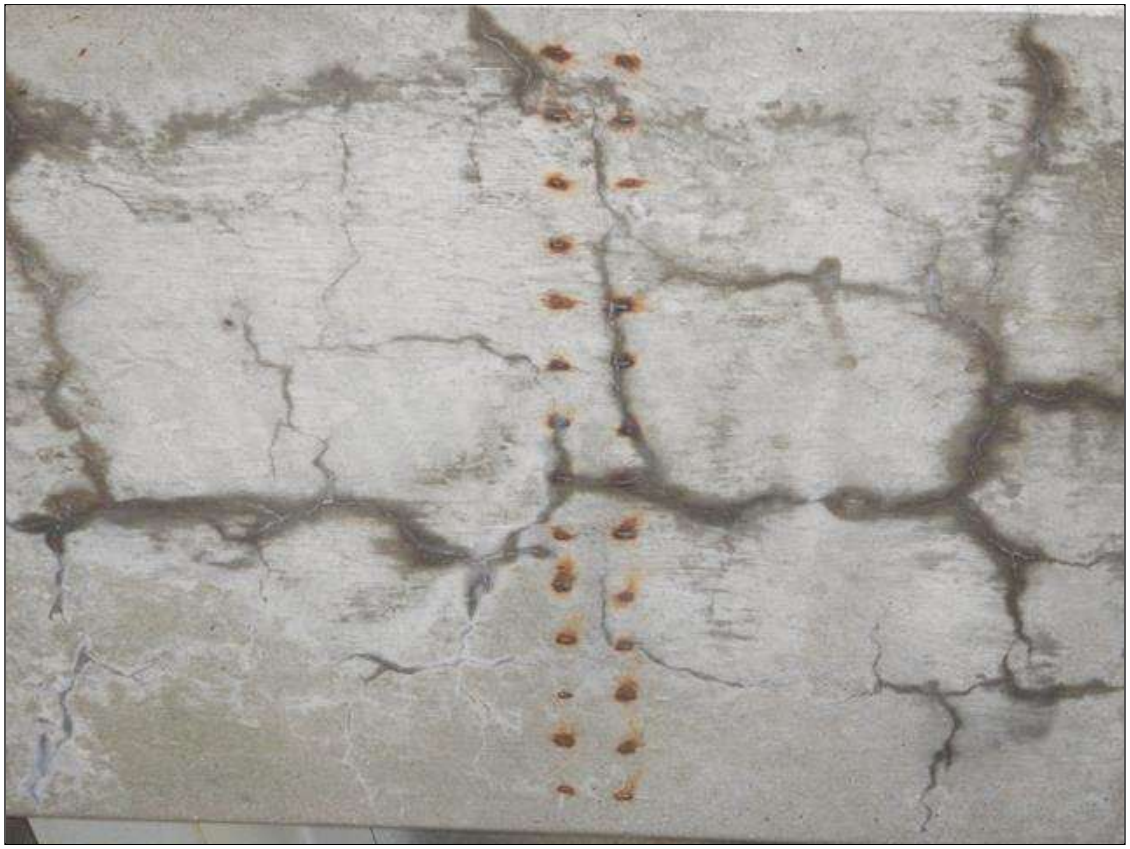
Span 2 Deck: BAY 4 STARTING 15 FEET FROM BENT 2, 2 AREAS UP TO 20 SQUARE FEET OF CRACKING UP TO 1/16 INCH WIDE WITH RUST STAINING

Span 3 Deck: THROUGHOUT UNDERSIDE IN ALL BAYS, HAIRLINE CRACKS WITH EFFLORESCENCE

Span 4 Deck: BENT 3 LEFT OVERHANG SOFFIT, 8 INCH DIAMETER DELAMINATION

Bent 3 Pile 1: FULL HEIGHT 1/8 INCH WIDE VERTICAL CRACK

Bent 3 Pile 3: PATCHED AREA, WEST FACE, 2 FEET WIDE X FULL HEIGHT WITH AREA OF DELAMINATION 4 FEET ABOVE GROUND, 16 INCH IN DIAMETER



Bent 3 Cap 1: ALONG SOFFIT, 9 FEET OF EXPOSED REBAR CHAIRS

Span 3 Beam 2: CORROSION WITH SECTION LOSS (0.99 INCH REMAINING) ON BOTH BOTTOM FLANGES FOR OUTER 2 INCH FOR 1 FOOT AT BENT 3

Span 3 Beam 2: WELDED REPAIR TO BOTH SIDES OF BOTH BEARING STIFFENERS AT BENT 3, 9 INCH X 8 INCH X 3/8 INCH THICK STEEL PLATE

Span 3 Beam 1: CORROSION WITH 1/16 INCH SECTION LOSS FULL HEIGHT OF WEB AT END OF BEAM

Span 4 Beam 3: CORROSION ARRESTED WITH PAINT, 3/16 INCH SECTION LOSS (9/16 INCH REMAINING) ON BOTH BOTTOM FLANGES FOR OUTER 2 INCH FOR 3 FEET STARTING 1.5 FEET FROM BENT 3 WITH 1/8 INCH SECTION LOSS (7/16 INCH REMAINING) ON LOWER 4 INCH OF WEB IN SAME AREA

Span 4 Beam 3: AT BENT 3, LEFT BEARING STIFFENER HAS WELDED REPAIR PLATE, 5 INCH X 5 INCH X 1/2 INCH THICK WITH RUST SCALE

Span 3 Beam 3: WELDED REPAIR TO BOTH SIDES OF BOTH BEARING STIFFENERS AT BENT 3, 9 INCH X 8 INCH X 3/8 INCH THICK STEEL PLATE

Span 4 Beam 4: CORROSION HAS BEEN ARRESTED WITH PAINT, 3/4 INCH SECTION LOSS (1/2 INCH REMAINING) ON BOTTOM LEFT FLANGE FOR OUTER 2 INCH FOR 18 INCH LONG STARTING 8 INCH FROM BENT 3

Span 3 Beam 4: PAR: CORROSION WITH 5/16 INCH SECTION LOSS (15/16 INCH REMAINING) ON LEFT BOTTOM FLANGE FOR OUTER 2 INCH FOR 9 INCH LONG STARTING 7 INCH FROM BENT 3

Bent 3 Cap 1: 18 INCH X 6 INCH X 5 INCH SPALL ON PEDESTAL UNDER END OF SPAN 4 GIRDER 4, NO EXPOSED REBAR, NO BEARING LOSS

Span 3 Beam 5: CORROSION ARRESTED WITH PAINT, 1/2 INCH SECTION LOSS (3/4 INCH REMAINING) ON BOTH BOTTOM FLANGES FOR OUTER 2 INCH FOR 1 FOOT STARTING AT BENT 3

Span 4 Beam 5: WELDED STEEL PLATE REPAIR AT END OF BEAM BEHIND BEARING STIFFENER AT BENT 3, 6 INCH LONG X FULL HEIGHT

Bent 3 Cap 1: PAR: 6 INCH X 4 INCH X 5 INCH SPALL ON PEDESTAL UNDER GIRDER 5 SPAN 4 WITH 1 INCH X 1 1/2 INCH UNDER BEARING, NO EXPOSED REINFORCEMENT

Span 4 Beam 6: CORROSION HAS BEEN ARRESTED WITH PAINT, 3/16 INCH SECTION LOSS (9/16 INCH REMAINING) ON TOP 6 INCH OF WEB FOR 10 INCH LONG AT BENT 3

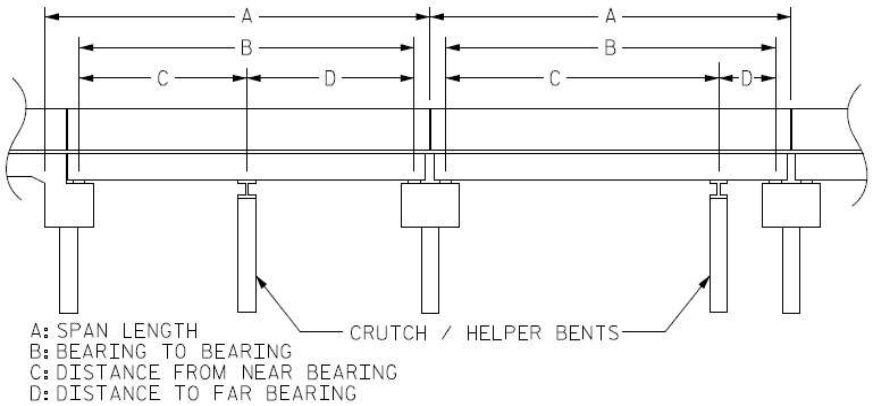
Span 3 Beam 6: WELDED PLATE REPAIR TO BOTH SIDES OF LEFT BEARING STIFFENER AT BENT 3, 5 INCH HIGH X 4 INCH WIDE X 3/8 INCH THICK WITH RUST SCALE

Bent 3 Cap 1: MAP CRACKING UP TO 1/16 INCH WIDE THROUGHOUT

Structure Data Worksheet

Span Profile

County: **GUILFORD** Structure Number: **400225**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	33.875	32.000			
2	92.891	90.170			
3	92.030	90.080			
4	35.708	32.090			

Structure Number: 400225 Span: 2 Route Name: I85S,US29S,US70W

SPAN 2 VERTICAL CLEARANCE, LOOKING SOUTH - REQUEST LIDAR

Route Number: 16000850	**Route Name:** I85S,US29S,US70W			**Reference Feature:** H
Minimum Vertical Clearance 16.080 feet	**Maximum Minimum Vertical Clearance** 16.580 feet			
Total Horizontal Clearance 72.750 feet	**Lateral Clearances: Left:** 19.167 feet **Right** 23.417 feet			
☑ **Base Highway Network**	**LRS Inventory Route, Sub Route Number** 10085			
Milepost: 35.200	**Number of Lanes:** 4	**ADT:** 19000	**Year of ADT:** 2015	**Percentage of Trucks:** 12
☑ **National Highway System**		☐ **STRAHNET Highway Designator**		
Functional Classification 12	Local Principal Arterial - Other	**Direction of Traffic:** 1	1 - way traffic	

LIDAR

Structure Number: 400225 Span: 3 Route Name: I85N,US29N,US70E

SPAN 3 VERTICAL CLEARANCE, LOOKING NORTH - REQUEST LIDAR

Route Number: 16000850	**Route Name:** I85N,US29N,US70E			**Reference Feature:** H
Minimum Vertical Clearance 16.420 feet	**Maximum Minimum Vertical Clearance** 17.420 feet			
Total Horizontal Clearance 72.333 feet	**Lateral Clearances: Left:** 18.833 feet **Right** 23.000 feet			
☑ **Base Highway Network**	**LRS Inventory Route, Sub Route Number** 10085			
Milepost: 35.200	**Number of Lanes:** 4	**ADT:** 19000	**Year of ADT:** 2015	**Percentage of Trucks:** 12
☑ **National Highway System**		☐ **STRAHNET Highway Designator**		
Functional Classification 12	Local Principal Arterial - Other	**Direction of Traffic:** 1	1 - way traffic	

LIDAR

Bridge Inspection Field Sketch

SR 1115

Roadway	47ft Wide	4 Paved Lanes	Looking East
Left Shoulder	10ft Wide	1ft Paved	9ft Unpaved
Right Shoulder	10.5ft Wide	1ft Paved	9.5ft Unpaved
Left Guardrail	10ft from road		
Right Guardrail	10.5ft from road		
MEASUREMENTS TAKEN 25 FEET WEST OF BRIDGE			

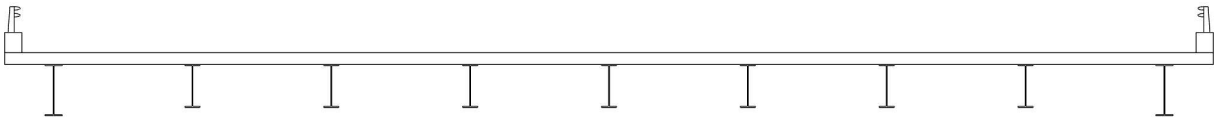
VERIFIED 10/04/2022 BY GLH & DRD

Title	Description
APPROACH ROADWAY	LOOKING EAST

Structure No:	Drawn By:	Date:	Filename:
400225	DRD	10/7/2022	S001194000167.wes

Bridge Inspection Field Sketch

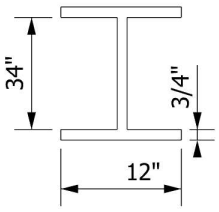
Deck Width/Out to Out	70ft	Between Rails			68ft
Clear Roadway	67.333ft	Wearing Surface			
Median Width		Median Height			
Curb Height		Left		Right	
Sidewalk Width		Left		Right	
Clear Roadway (Rail to Median)		Left		Right	
Guardrail Width		Left	12in	Right	12in
Top of Rail to Deck/Wearing Surface		Left	2.667ft	Right	2.667ft
Bridge Rail Type		Left	Type 1	Right	Type 1



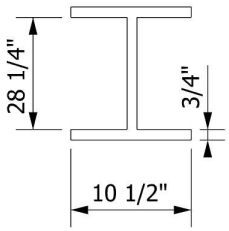
Measurements for Span #	1	SPAN 4 SIMILAR	
Deck Thickness	8.25in	Left Overhang	2.833ft
Top of Rail to Bottom of Beam (Avg)	6.321ft	Right Overhang	2.833ft

Beam #	Beam Type	Width	Height	Spacing	From
1	Rolled Steel Beam	12in	35.6in	2.833ft	Left Edge of Deck
2	Rolled Steel Beam	10.5in	29.8in	8.042ft	Beam 1
3	Rolled Steel Beam	10.5in	29.8in	8.042ft	Beam 2
4	Rolled Steel Beam	10.5in	29.8in	8.042ft	Beam 3
5	Rolled Steel Beam	10.5in	29.8in	8.042ft	Beam 4
6	Rolled Steel Beam	10.5in	29.8in	8.042ft	Beam 5
7	Rolled Steel Beam	10.5in	29.8in	8.042ft	Beam 6
8	Rolled Steel Beam	10.5in	29.8in	8.042ft	Beam 7
9	Rolled Steel Beam	12in	35.6in	8.042ft	Beam 8

BEAMS 1 & 9
36 WF 135



BEAMS 2 - 8
30 WF 108 (SPAN 1)
30 WF 116 (SPAN 4)



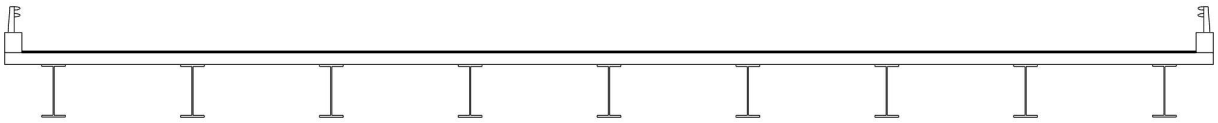
UPDATED 10/04/2022 BY GLH & DRD

Title	Description
TYPICAL SECTION - SPAN 1	9 LINES OF STEEL I BEAMS

Structure No: 400225	Drawn By: DRD	Date: 10/7/2022	Filename: S001194000171.wes

Bridge Inspection Field Sketch

Deck Width/Out to Out	70ft	Between Rails			68ft
Clear Roadway	67.333ft	Wearing Surface			1in
Median Width		Median Height			
Curb Height		Left		Right	
Sidewalk Width		Left		Right	
Clear Roadway (Rail to Median)		Left		Right	
Guardrail Width		Left	12in	Right	12in
Top of Rail to Deck/Wearing Surface		Left	2.584ft	Right	2.584ft
Bridge Rail Type		Left	Type 1	Right	Type 1

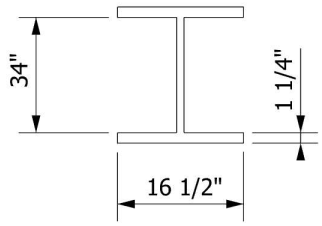


Measurements for Span #	2	SPAN 3 SIMILAR	
Deck Thickness	8.25in	Left Overhang	2.833ft
Top of Rail to Bottom of Beam (Avg)	6.396ft	Right Overhang	2.833ft

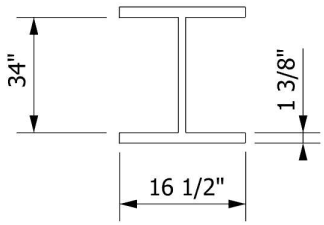
Beam #	Beam Type	Width	Height	Spacing	From
1	Plate Girder	16.5in	36.5in	2.833ft	Left Edge of Deck
2	Plate Girder	16.5in	36.7in	8.042ft	Beam 1
3	Plate Girder	16.5in	36.7in	8.042ft	Beam 2
4	Plate Girder	16.5in	36.7in	8.042ft	Beam 3
5	Plate Girder	16.5in	36.7in	8.042ft	Beam 4
6	Plate Girder	16.5in	36.7in	8.042ft	Beam 5
7	Plate Girder	16.5in	36.7in	8.042ft	Beam 6
8	Plate Girder	16.5in	36.7in	8.042ft	Beam 7
9	Plate Girder	16.5in	36.5in	8.042ft	Beam 8

BEAMS 1 & 9: BOTTOM COVER PLATE 1 1/2" X 12"
BEAMS 2-8: BOTTOM COVER PLATE 1 3/4" X 12"

SPAN 2 BEAMS 2 - 8
SPAN 3 ALL BEAMS
36 WF 230



SPAN 2 BEAMS 1 & 9
36 WF 245

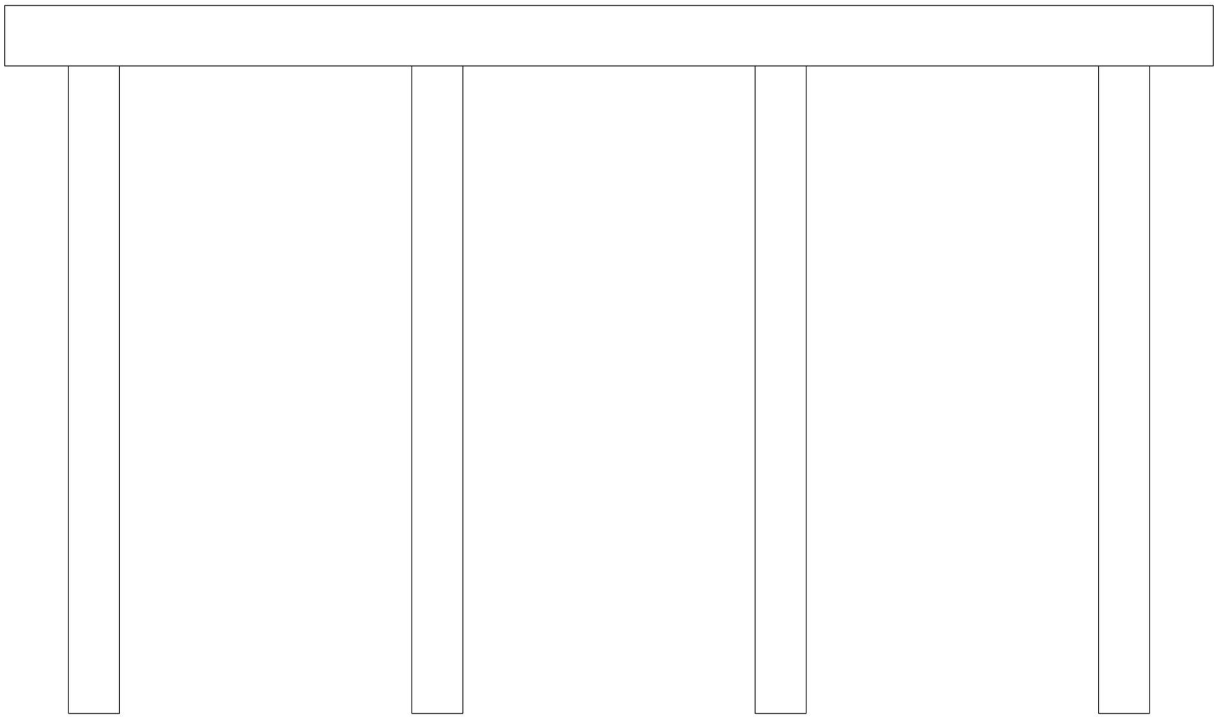


UPDATED 10/04/2022 BY GLH & DRD

Title TYPICAL SECTION - SPANS 2 & 3	Description 9 LINES OF STEEL I BEAMS

Structure No: 400225	Drawn By: DRD	Date: 10/7/2022	Filename: S001194000172.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	71ft	38in	42.6in	1.688ft	1.698ft

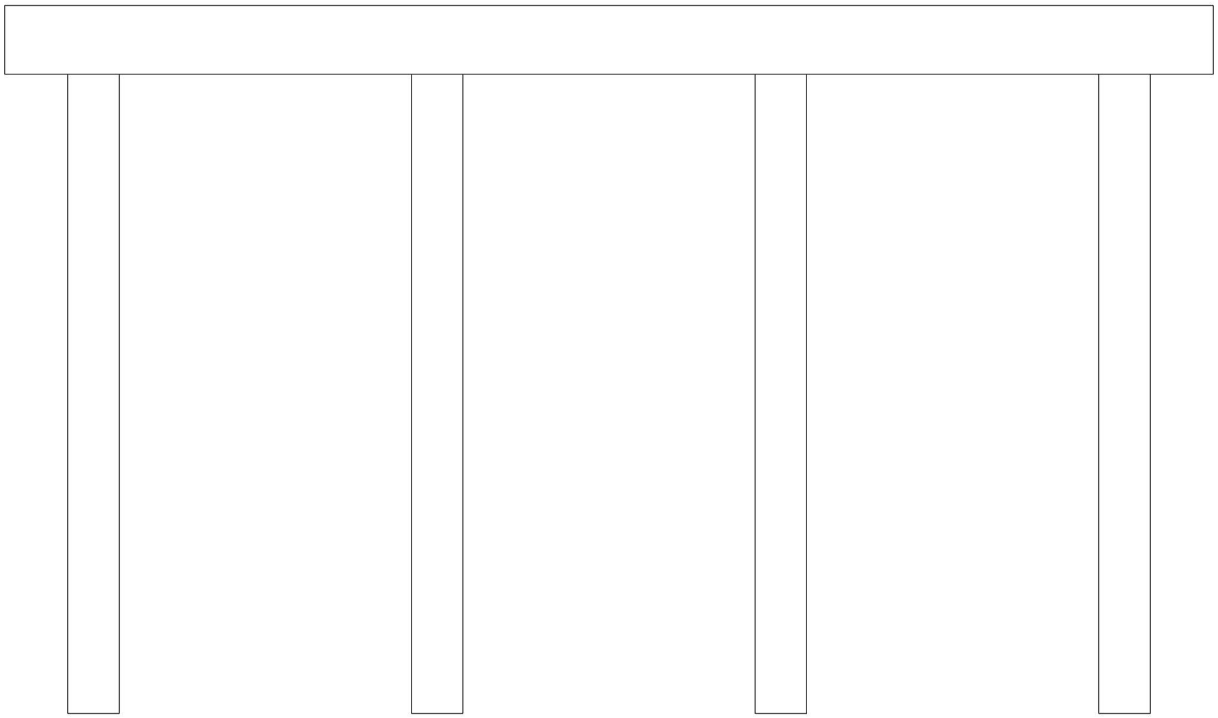
Piles							
#	Name	Type	Spacing	From	Height/Diam.	Width	Length
1	Pile 1	Reinforced Concrete Column	5.25ft	Left End of Bent	36in		15.75ft
2	Pile 2	Reinforced Concrete Column	20.167ft	Pile 1	36in		20.75ft
3	Pile 3	Reinforced Concrete Column	20.167ft	Pile 2	36in		21.25ft
4	Pile 4	Reinforced Concrete Column	20.167ft	Pile 3	36in		21.87ft

UPDATED 10/04/2022 BY GLH & DRD

Title	Description
BENT 1	BENT 1

Structure No: 400225	Drawn By: DRD	Date: 10/7/2022	Filename: S001194000168.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	70.333ft	38in	48in	1.667ft	1.667ft

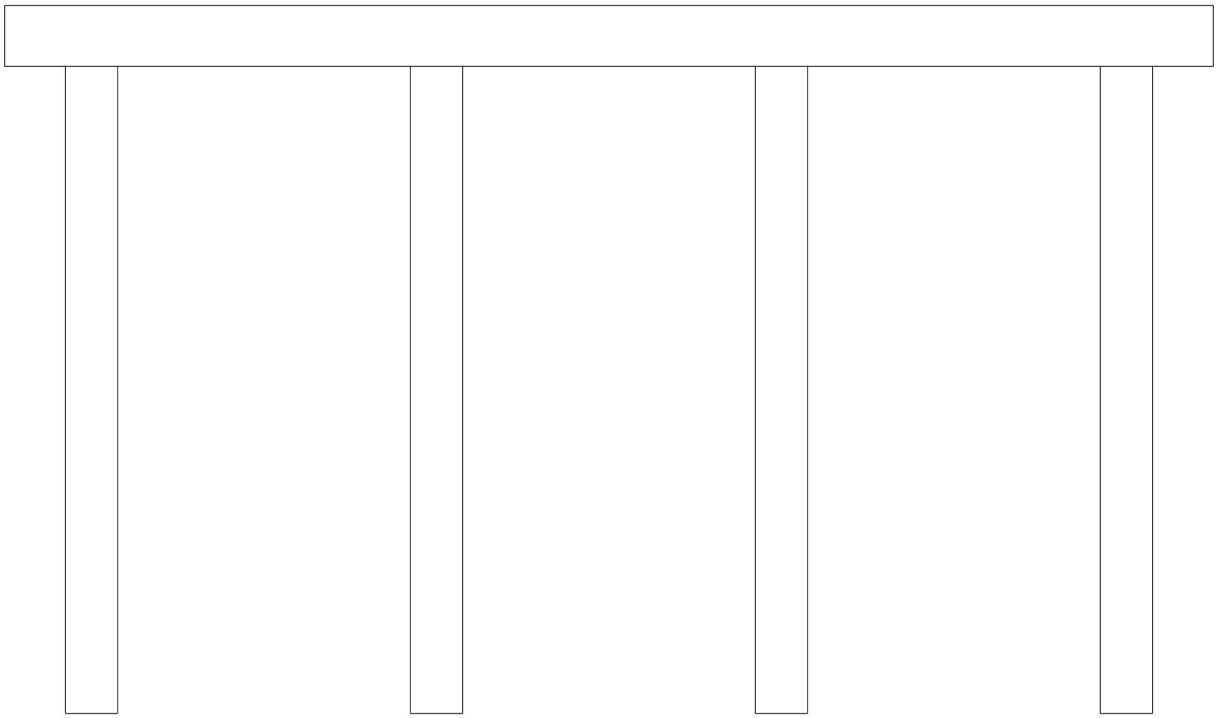
Piles							
#	Name	Type	Spacing	From	Height/Diam.	Width	Length
1	Pile 1	Reinforced Concrete Column	5.167ft	Left End of Bent	36in		18.75ft
2	Pile 2	Reinforced Concrete Column	20ft	Pile 1	36in		0ft
3	Pile 3	Reinforced Concrete Column	20ft	Pile 2	36in		19.26ft
4	Pile 4	Reinforced Concrete Column	20ft	Pile 3	36in		19.776ft

UPDATED 10/04/2022 BY GLH & DRD

Title	Description
BENT 2	BENT 2

Structure No: 400225	Drawn By: DRD	Date: 10/7/2022	Filename: S001194000169.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	69.5ft	38in	42in	1.641ft	1.49ft

Piles							
#	Name	Type	Spacing	From	Height/Diam.	Width	Length
1	Pile 1	Reinforced Concrete Column	5ft	Left End of Bent	36in		17ft
2	Pile 2	Reinforced Concrete Column	19.833ft	Pile 1	36in		21.167ft
3	Pile 3	Reinforced Concrete Column	19.833ft	Pile 2	36in		21.67ft
4	Pile 4	Reinforced Concrete Column	19.833ft	Pile 3	36in		25.167ft

UPDATED 10/04/2022 BY GLH & DRD

Title	Description
BENT 3	BENT 3

Structure No: 400225	Drawn By: DRD	Date: 10/7/2022	Filename: S001194000170.wes

SPAN 3 SUPERSTRUCTURE

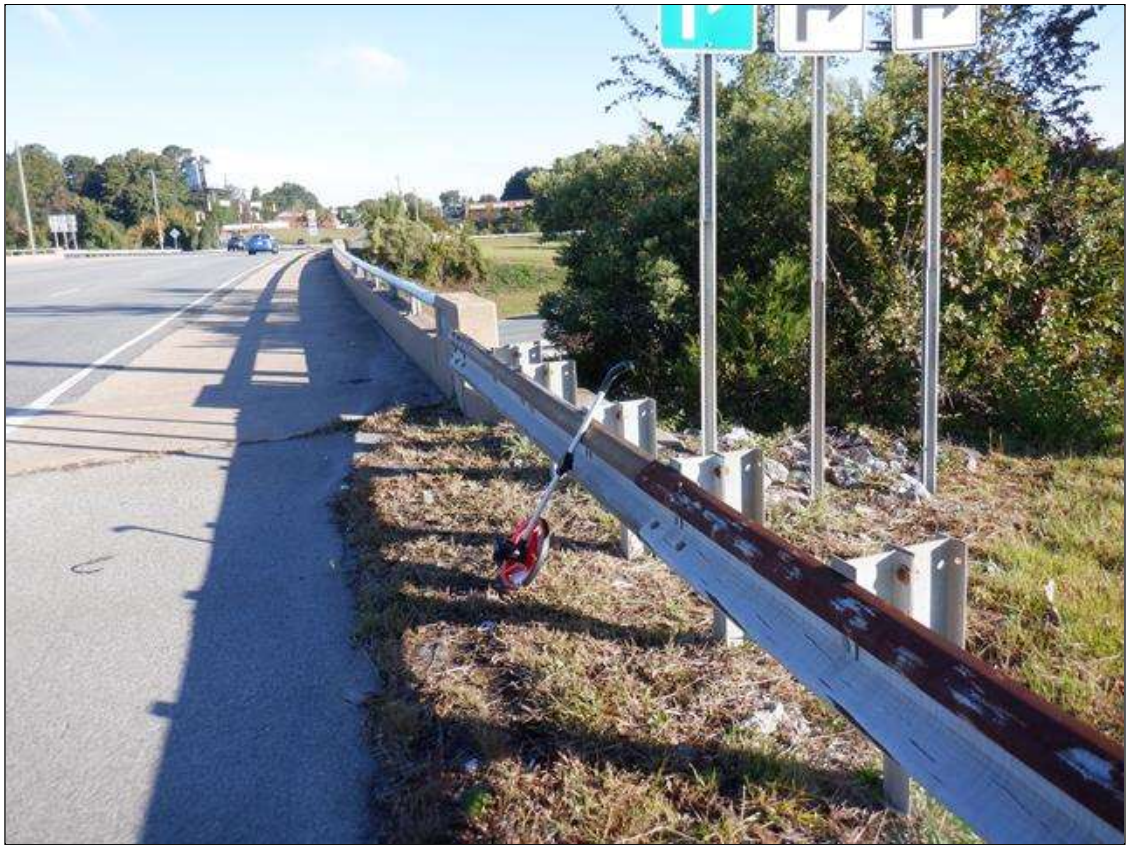
SPAN 3 BAY 1 INTERMEDIATE DIAPHRAGM

END BENT 2

SPAN 4 BEAM 6 FAR BEARING

NORTHEAST WINGWALL

LOOKING WEST



NORTHEAST GUARDRAIL TRANSITION

NORTHEAST GUARDRAIL ATTACHMENT

NORTHEAST BRIDGE PLAQUE

LEFT BRIDGE RAIL

SPAN 4 DECK/WEARING SURFACE

EAST APPROACH

LOOKING NORTH FROM BRIDGE

LOOKING SOUTH FROM BRIDGE

WEST APPROACH

ALONG LEFT BRIDGE RAIL, 4 INCH DIAMETER SCUPPER

SPAN 3 WEARING SURFACE

BENT 1 JOINT

SPAN 1 DECK

LOOKING EAST

END BENT 1

SPAN 1 BEAM 9 NEAR BEARING

SOUTH STRUCTURE PROFILE

SPAN 3 VERTICAL CLEARANCE, LOOKING NORTH

SPAN 2 SUPERSTRUCTURE

NORTH STRUCTURE PROFILE

SPAN 2 VERTICAL CLEARANCE, LOOKING SOUTH

BENT 1 BEAM 5 BEARINGS

BENT 2 BEAM 5 BEARINGS

TRAFFIC CONTROL USE BELOW SPAN 2

BENT 2 LOOKING EAST