NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PAR Submitted, Changes to Structure Data

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 05/27/2020

DIVISION: 12 **COUNTY:** IREDELL **STRUCTURE NUMBER:** 480166 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: SR1595 **MILE POST:**

LOCATION: 0.1 MI. E. JCT. SR1600 0.1 MI. E. JCT. SR1600

FEATURE INTERSECTED: ROCKY CREEK

LATITUDE: 36° 0' 50.94" **LONGITUDE:** 81° 0' 13.21"

SUPERSTRUCTURE:

SUBSTRUCTURE:

SPANS: 3 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

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

NBI GRADES: **DECK** 6 **SUPERSTRUCTURE** 4 **SUBSTRUCTURE** 5 **CULVERT** N

POSTED SV: 33 33 **POSTED TTST:** 40 40

OTHER SIGNS PRESENT: Two [2] Load Postings, Four [4] Delineators

West approach 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

INSPECTED BY	SIGNATURE	ASSISTED BY
Dillon Winters, EI		Mark Ferguson, William Graham

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

07/09/2020

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE **480166**
(8) STRUCTURE NUMBER (FEDERAL) **0970166**
(5) INVENTORY ROUTE (ON/UNDER) ON **131015950**
(2) STATE HIGHWAY DEPARTMENT DISTRICT **12**
(3) COUNTY CODE (FEDERAL) **97** (4) PLACE CODE **00000**
(6) FEATURE INTERSECTED **ROCKY CREEK**
(7) FACILITY CARRIED **SR1595**
(9) LOCATION **0.1 MI. E. JCT. SR1600**
(11) MILEPOINT **0.0**
(12) BASE HIGHWAY NETWORK **0**
(13) LRS INVENTORY ROUTE & SUBROUTE
(16) LATITUDE **36° 0' 50.94"** (17) LONGITUDE **81° 0' 13.21"**
(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 **3**
(46) NUMBER OF SPANS IN APPROACH **0**
(107) DECK STRUCTURE TYPE CODE **8**
(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 **1966**
(106) YEAR RECONSTRUCTED **0**
(42) TYPE OF SERVICE ON - **Highway**
OFF - **Waterway** CODE **15**
(28) LANES ON STRUCTURE **2** LANES UNDER STRUCTURE **0**
(29) AVERAGE DAILY TRAFFIC **60**
(30) YEAR OF ADT **2000** (109) TRUCK ADT PCT **0**
(19) BYPASS OR DETOUR LENGTH **3.0**

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN **35.0**
(49) STRUCTURE LENGTH **107.0**
(50) CURB OR SIDEWALK: LEFT **0.3** RIGHT **0.3**
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB **23.1**
(52) DECK WIDTH OUT TO OUT **24.1**
(32) APPROACH ROADWAY WITH (W/ SHOULDERS) **20.0**
(33) BRIDGE MEDIAN **No median** CODE **0**
(34) SKEW **40** (35) STRUCTURE FLARED **0**
(10) INVENTORY ROUTE MIN VERT CLEAR **999.9**
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR **23.1**
(53) MIN VERT CLEAR OVER BRIDGE RDWY **9999.0**
(54) MIN VERT UNDERCLEAR: REFERENCE **0.0**
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE **N** **0.0**
(56) MIN LAT UNDERCLEARANCE LT: **0.0**

NAVIGATION DATA

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

SUFFICIENCY RATING **58.84**
STATUS = **Structurally Deficient**

CLASSIFICATION — CODE

(112) NBIS BRIDGE SYSTEM **YES**
(104) HIGHWAY SYSTEM **Inventory Route not on NHS** **0**
(26) FUNCTIONAL CLASS **Rural Local** **09**
(100) STRAHNET HIGHWAY **Not a STRAHNET Route** **0**
(101) PARALLEL STRUCTURE **No parallel structure exists** **N**
(102) DIRECTION OF TRAFFIC **2-way traffic** **2**
(103) TEMPORARY STRUCTURE
(110) DESIGNATED NATIONAL NETWORK - **on 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 **6**
(59) SUPERSTRUCTURE **4**
(60) SUBSTRUCTURE **5**
(61) CHANNEL & CHANNEL PROTECTION **7**
(62) CULVERTS **N**

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD **Unknown** **0**
(63) OPERATING RATING METHOD - **Load Factor** **1**
(64) OPERATING RATING - **HS-22** **41**
(65) INVENTORY RATING METHOD - **1**
(66) INVENTORY RATING **HS-13** **25**
(70) BRIDGE POSTING **Posting Required** **3**
(41) STRUCTURE OPEN, POSTED, OR CLOSED **P**
DESCRIPTION **Posted for Load**

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION **4**
(68) DECK GEOMETRY **5**
(69) UNDERCLEARANCES, VERT & HORIZ **N**
(71) WATERWAY ADEQUACY **4**
(72) APPROACH ROADWAY ALIGNMENT **5**
(36) TRAFFIC SAFETY FEATURES **0000**
(113) SCOUR CRITICAL BRIDGES **U**

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 **120** YEAR OF FUTURE ADT **2040**

INSPECTION

(90) INSPECTION DATE **05/18** (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

Superstructure Build Details

Span Number 1 **Span Length** 36.0000 **Skew** 50.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	828	Square Feet		
2	Timber Rail	Timber Bridge Railing	72	Feet		
10	Plate Girder	Steel Open Girder/Beam	360	Feet	Unknow	1920
7	Other Bearing	Other Bearings	7	Each	Unknow	7
13	Other Bearing	Other Bearings	13	Each	Galvanized Protective System	13
1	Timber Deck	Timber Deck	867	Square Feet		

Span Number 2 **Span Length** 35.0000 **Skew** 50.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	805	Square Feet		
2	Timber Rail	Timber Bridge Railing	70	Feet		
20	Other Bearing	Other Bearings	20	Each	Galvanized Protective System	20
10	Plate Girder	Steel Open Girder/Beam	350	Feet	Unknow	1920
1	Timber Deck	Timber Deck	843	Square Feet		

Span Number 3 **Span Length** 36.0000 **Skew** 50.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
2	Asphalt Wearing Surface	Wearing Surface	1656	Square Feet		
2	Timber Rail	Timber Bridge Railing	72	Feet		
1	Timber Deck	Timber Deck	867	Square Feet		
20	Other Bearing	Other Bearings	20	Each	Galvanized Protective System	20
10	Plate Girder	Steel Open Girder/Beam	360	Feet	Unknow	1920

Structure Element Scoring

Structure Number: **480166**

Inspection Date **5/27/2020**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
31	0	Timber Deck	Deck	2577	2337	240	0	0
107	0	Steel Open Girder/Beam	Beam	1070	0	275	795	0
515	107	Steel Protective Coating	Beam	5760	1998	0	551	3211
215	0	Reinforced Concrete Abutment	Abutments	98	84	1	13	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	74	74	0	0	0
225	0	Steel Pile	Piles and Columns	12	0	12	0	0
515	225	Steel Protective Coating	Piles and Columns	240	217	0	23	0
231	0	Steel Pier Cap	Caps	70	17	35	18	0
515	231	Steel Protective Coating	Caps	204	150	0	30	24
316	0	Other Bearings	Bearing Device	60	0	40	20	0
515	316	Steel Protective Coating	Bearing Device	60	0	1	39	20
332	0	Timber Bridge Railing	Bridge Rail	214	0	214	0	0
510	0	Wearing Surface	Wearing Surfaces	3289	1733	260	1296	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **480166** Inspection Date: **05/27/2020**

MMS Code	Element Name	Defect Name	Recommended Quantity
3314	Steel Open Girder/Beam	Corrosion	795 Feet
3350	Reinforced Concrete Abutment	Delamination/Spall	5 Feet
3350	Reinforced Concrete Abutment	Cracking (RC and Other)	1 Feet
3350	Reinforced Concrete Abutment	Efflorescence/Rust Staining	7 Feet
3354	Steel Pier Cap	Corrosion	18 Feet
3334	Other Bearings	Connection	3 Each
3334	Other Bearings	Corrosion	21 Each
2816	Wearing Surface	Crack (Wearing Surface)	1556 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	3821 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	77 Square Feet

Element Structure Maintenance Quantities

Structure Number: **480166** Inspection Date **05/27/2020**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	13	98	0	13	1	84
Beam	3314	Maintenance Steel Superstructure Components	795	1070	0	795	275	0
Beam	3342	Clean and Paint Steel	3762	5760	3211	551	0	1998
Bearing Device	3334	Bridge Bearing	24	60	0	20	40	0
Bearing Device	3342	Clean and Paint Steel	59	60	20	39	1	0
Bridge Rail	3316	Maintenance of Timber Bridge Rail	0	214	0	0	214	0
Caps	3342	Clean and Paint Steel	54	204	24	30	0	150
Caps	3354	Maintenance of Steel Substructure Components	18	70	0	18	35	17
Deck	3324	Maintenance of Timber Deck Components	0	2577	0	0	240	2337
Footing	3348	Maintenance of Concrete Substructure	0	74	0	0	0	74
Piles and Columns	3342	Clean and Paint Steel	23	240	0	23	0	217
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	12	0	0	12	0
Wearing Surfaces	2816	Asphalt Surface Repair	1556	3289	0	1296	260	1733

Priority Actions Request

Structure Number **480166**

Span1

3314 **Beam 1** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	36	Span 1 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in], lower web [full length x up to 3in - avg rem 5/16in]

3334 **Beam 2** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 1 Beam 2 Beam 2 Near Bearing: [PAR] North anchor bolt missing
2	Corrosion	36	Span 1 Beam 2: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 0.35in], lower web [up to 3ft x up to 6in - avg rem 5/16in]

3334 **Beam 3** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 1 Beam 3 Near Bearing: [PAR] North anchor bolt missing
2	Corrosion	8	Span 1 Beam 3: [PAR] near midspan and at far third ,two [2] areas of active corrosion with section loss; bottom flange [up to 48in x full width - avg rem 3/8in], lower web [32in x 2-1/2in - avg rem 9/32in]

3334 **Beam 4** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Connection	1	Span 1 Beam 4 Near Bearing: [PAR] North anchor bolt missing
2	Corrosion	1	Span 1 Beam 4: [PAR] at near end, active corrosion with section loss; bottom flange [16in x full width - avg rem 1/2in], lower web [14in x 2in - avg rem 1/4in]

3314 **Beam 5** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 1 Beam 5: [PAR] at near end, active corrosion with section loss; bottom flange [20in x full width - avg rem 3/8in], lower web [18in x 4in - avg rem 1/4in]

3334 **Beam 6** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Connection	1	Span 1 Beam 6 Near Bearing: [PAR] North anchor bolt missing
2	Corrosion	3	Span 1 Beam 6: [PAR] at near end, active corrosion with section loss, South bottom flange [up to 36in x up to 4in - avg rem 3/8in], lower web [30in x up to 3in - avg rem 1/4in]

3314 **Beam 7** Plate Girder

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

Priority Actions Request

Structure Number **480166**

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	3	Span 1 Beam 7: [PAR] bottom flange at near end, active corrosion with section loss [up to 30in x up to full width - avg rem 3/8in, with areas down to 1/4in at edges]

3314 **Beam 8** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 1 Beam 8: [PAR] at near end, active corrosion with section loss; bottom flange [22in x full width - avg rem 1/4in], lower web [28in x up to 2-1/2in - avg rem 1/4in]

3334 **Beam 9** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Connection	1	Span 1 Beam 9 Near Bearing: [PAR] North anchor bolt nut missing, [1/8in loss] on bolt and not fully embedded
2	Corrosion	2	Span 1 Beam 9: [PAR] at near end, active corrosion with section loss; bottom flange [18in x full width - avg rem 0.35in], lower web [8in x up to 8in - avg rem 1/4in]

3314 **Beam 10** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	28	Span 1 Beam 10: [PAR] along length of beam, multiple areas of active corrosion with section loss; bottom flange [up to 68in x 6in - avg rem 1/4in], lower web & web at rail post connections [up to 10ft x 6in - avg rem 1/4in]

Span2

3314 **Beam 1** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	35	Span 2 Beam 1: [PAR] along length active corrosion with section loss; top and bottom flange [up to 15ft x full width - avg rem 3/8in], bottom flange at midspan [10ft x full width - avg rem 1/4in, with edges down to 1/8in], lower web along length [up to 15ft x up to 9in - avg rem 1/4in], lower web at midspan [10ft x 4in - avg rem 3/16in], web at rail connections [up to 12in diameter - avg rem 1/4in]

3314 **Beam 2** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	12	Span 2 Beam 2: [PAR] at near end, active corrosion with section loss; top and bottom flange [12ft x up to full width - avg rem 3/8in], lower web [up to 50in x up to 8in - avg rem 5/16in]

3314 **Beam 4** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description

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

Priority Actions Request

Structure Number **480166**

2	Corrosion	4	Span 2 Beam 4: [PAR] near midspan, active corrosion with section loss; bottom flange [up to 42in x up to full width - avg rem 3/8in], lower web [16in x 2in - avg rem 1/4in]

3314 **Beam 6** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	8	Span 2 Beam 6: [PAR] at far end, active corrosion with section loss; bottom flange [up to 8ft x full width - avg rem 3/8in], lower web [12ft x up to 2in - avg rem 1/4in]

3314 **Beam 7** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	11	Span 2 Beam 7: [PAR] near midspan, active corrosion with section loss; bottom flange [up to 6ft x full width - avg rem 0.31in], lower web [up to 5ft x 2in - avg rem 5/16in]

3314 **Beam 8** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	3	Span 2 Beam 8: [PAR] at 2ft from far end, active corrosion with section loss, South bottom flange [16in x 4in - avg rem 3/8in], lower web [28in x up to 2in - avg rem 1/4in]

3314 **Beam 9** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	3	Span 2 Beam 9: [PAR] at midspan, active corrosion with section loss; bottom flange [2ft x full width - avg rem 3/8in], lower web [32in x 5in - avg rem 1/4in]

3314 **Beam 10** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	35	Span 2 Beam 10: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x full width - avg rem 0.34, with areas down to 1/8in], lower web & web at rail connections [up to 3ft x up to 14in - avg rem 1/4in]

Span3

3314 **Beam 1** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	36	Span 3 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 0.34in, edge down to 1/8in], lower and areas of upper web [16ft x up to 5in - avg rem 1/4in] , web at rail attachments [up to 12in diameter - avg rem 5/16in]

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

Priority Actions Request

Structure Number **480166**

3314 **Beam 2** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	10	Span 3 Beam 2: [PAR] near midspan, active corrosion with section loss, bottom flange [10ft x full width - avg rem 0.35in], lower web [10ft x 4in - avg rem 5/16in]

3314 **Beam 3** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	5	Span 3 Beam 3: [PAR] at 15in from near end, active corrosion with section loss; bottom flange [5ft x up to full width - avg rem 3/8in], lower web [52in x 3in - avg rem 5/16in]
2	Corrosion	2	Span 3 Beam 3: [PAR] at far end, active corrosion with section loss; bottom flange [23in x up to full width - avg rem 3/8in], lower web [up to 32in x up to 5in - avg rem 5/16in]
2	Corrosion	15	Span 3 Beam 3: [PAR] at midspan, active corrosion with section loss; bottom flange [up to 10ft x full width - avg rem 0.36in], lower web [up to 10ft x 4in - avg rem 5/16in]

3314 **Beam 4** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Span 3 Beam 4: [PAR] at far end, active corrosion with section loss, bottom flange [up to 24in x full width - avg rem 3/8in, with areas down to 3/16in], lower web [22in x up to 4in - avg rem 1/4in]
1	Corrosion	4	Span 3 Beam 4: [PAR] at near end, active corrosion with section loss; North bottom flange [4ft x 4in - avg rem 3/8in]
1	Corrosion	6	Span 3 Beam 4: [PAR] near midspan, active corrosion with section loss; top flange [up to 30in x up to full width - avg rem 5/16in], bottom flange [62in x up to full width - avg rem 7/16in]

3314 **Beam 5** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	4	Span 3 Beam 5: [PAR] at far end, active corrosion with section loss, bottom flange [41in x full width - avg rem 3/8in], lower web [up to 24in x up to 4in - avg rem 5/16in]
2	Corrosion	3	Span 3 Beam 5: [PAR] at near third, active corrosion with section loss; bottom flange [36in x up to full width - avg rem 3/8in], lower web [40in x up to 3in - avg rem 1/4in]

3314 **Beam 7** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	3	Span 3 Beam 7: [PAR] at 18in from near end, active corrosion with section loss; bottom flange [32in x up to full width - avg rem 3/8in]

3314 **Beam 8** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	7	Span 3 Beam 8: [PAR] at far end, active corrosion with section loss; bottom flange [up to 27in x full width - avg rem 3/8in], lower web [up to 7ft x up to 3in - avg rem 5/16in]

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

Priority Actions Request

Structure Number **480166**

3314 **Beam 9** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	12	Span 3 Beam 9: [PAR] at far end, active corrosion with section loss; bottom flange [up to 38in x up to full width - avg rem 3/8in], lower web [up to 19in x up to 5in - avg rem 5/16in]
2	Corrosion	4	Span 3 Beam 9: [PAR] at near end, active corrosion with section loss; North bottom flange [41in x 4in - avg rem 3/8in]
2	Corrosion	2	Span 3 Beam 9: [PAR] near midspan, active corrosion with section loss; bottom flange [24in x full width - avg rem 3/8in], lower web [20in x 2in - avg rem 1/4in]

3314 **Beam 10** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	36	Span 3 Beam 10: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in, with edges down to 1/16in], lower web [full length x up to 4in - avg rem 1/4in, with areas down to 3/16in], web at rail attachments [12in diameter - avg rem 1/4in]

Bent 1

3354 **Cap 1** Steel Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	8	Bent 1 Cap 1: [PAR] along West face at stiffeners 2-6, 9, & 10, active corrosion with section loss [up to 6in x full width - avg rem 3/8in]; along East face at stiffeners 1-5, 9 & 10, active corrosion with section loss [8in x full width - avg rem 3/8in]

Bent 2

3354 **Cap 1** Steel Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	6	Bent 2 Cap 1: [PAR] along West face at stiffeners 2, 6, & 7, active corrosion with section loss [up to 6in x full width - avg rem 3/8in]; along East face at stiffeners 1, 2, & 7-9, active corrosion with section loss [8in x full width - avg rem 3/8in]

Element Condition and Maintenance Data

Structure Number: **480166** Inspection Date: **05/27/2020**

Span 1 Deck

Timber Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
31	Timber Deck	867	787	80	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
31	Decay/Section Loss	throughout edge of deck at North and South ends, areas of decay/surface softness in end of deck boards [up to full width x full height x up to 1in deep probe] with vegetation/moss growth	2	80		Square Feet

General Comments

throughout underside of deck, multiple core holes [6in diameter]

Span 1 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	828	395	0	433	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	both lanes and shoulders over end bent 1, transverse crack (full width x up to 1in)	3	33	33	Square Feet
510	Crack (Wearing Surface)	scattered throughout at random, multiple transverse cracks (full width x up to 1/4in)	3	400	400	Square Feet

General Comments

Span 1 Left Bridge Rail

Timber Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
332	Timber Bridge Railing	36	0	36	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
332	Check/Shake	curb at 20ft from End Bent 1, shake [50in x 2in x 2in]	2			Feet
332	Check/Shake	top board and curb, checks (full length x up to 1/4in)	2	36		Feet

General Comments

Span 1 Right Bridge Rail

Timber Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
332	Timber Bridge Railing	36	0	36	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
332	Check/Shake	top board and curb, checks (full length x up to 1/4in)	2	36		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	36	0	0	36	0	Feet
515	Steel Protective Coating	192	57	0	0	135	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in], lower web [full length x up to 3in - avg rem 5/16in]	3	36	36	Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	135	135	Square Feet

General Comments

Span 1 Beam 1 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	active corrosion with section loss [up to 1/16in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with bare metal exposed (1sf)	4	1	1	Square Feet

General Comments

Span 1 Beam 1 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with surface corrosion	3	1	1	Square Feet

General Comments

Span 1 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	36	0	0	36	0	Feet
515	Steel Protective Coating	192	96	0	0	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 0.35in], lower web [up to 3ft x up to 6in - avg rem 5/16in]	3	36	36	Feet

515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet

General Comments

Span 1 Beam 2 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	[PAR] North anchor bolt missing	3	1	1	Each
316	Corrosion	active corrosion with section loss [up to 1/16in]	3		1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	1	1	Square Feet

General Comments

Span 1 Beam 2 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	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	36	0	0	36	0	Feet
515	Steel Protective Coating	192	77	0	0	115	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at near end active corrosion with section loss; bottom flange [1ft x full width - avg rem 3/8in], lower web [1ft x 2in - avg rem 1/4in]	3	1	1	Feet
107	Corrosion	[PAR] near midspan and at far third ,two [2] areas of active corrosion with section loss; bottom flange [up to 48in x full width - avg rem 3/8in], lower web [32in x 2-1/2in - avg rem 9/32in]	3	8	8	Feet
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	27	27	Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	115	115	Square Feet

General Comments

Span 1 — Beam 3 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	[PAR] North anchor bolt missing	3	1	1	Each
316	Corrosion	active corrosion with section loss [up to 1/16in]	3		1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	1	1	Square Feet

General Comments

Span 1 — Beam 3 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	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	36	0	17	19	0	Feet
515	Steel Protective Coating	192	61	0	35	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at near end, active corrosion with section loss; bottom flange [16in x full width - avg rem 1/2in], lower web [14in x 2in - avg rem 1/4in]	3	1	1	Feet
107	Corrosion	at far half, active corrosion with section loss; bottom flange [18ft x up to full width - avg rem 0.42in], lower web [up to 2ft x 3in - avg rem 5/16in]	3	18	18	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	17		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	35	35	Square Feet

General Comments

Span 1 Beam 4 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Connection	[PAR] North anchor bolt missing	3	1	1	Each
316	Corrosion	active corrosion with section loss [up to 1/16in]	3		1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	4	1	1	Square Feet

General Comments

Span 1 Beam 4 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	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	36	0	16	20	0	Feet
515	Steel Protective Coating	192	64	0	32	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at near end, active corrosion with section loss; bottom flange [20in x full width - avg rem 3/8in], lower web [18in x 4in - avg rem 1/4in]	3	2	2	Feet
107	Corrosion	at far end, active corrosion with section loss; bottom flange [18ft x full width - avg rem 0.41in], lower web [up to 2ft x 3in - avg rem 5/16in]	3	18	18	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	16		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	32	32	Square Feet

General Comments

Span 1 — Beam 5 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	active corrosion with section loss [up to 1/16in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	1	1	Square Feet

General Comments

Span 1 — Beam 5 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	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	36	0	11	25	0	Feet
515	Steel Protective Coating	192	72	0	24	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at near end, active corrosion with section loss, South bottom flange [up to 36in x up to 4in - avg rem 3/8in], lower web [30in x up to 3in - avg rem 1/4in]	3	3	3	Feet
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	12	12	Feet
107	Corrosion	at far end, active corrosion with section loss; top flange [10ft x full width - avg rem 7/16in], bottom flange [10ft x up to full width - avg rem 0.42in], lower web [up to 4ft x 3in - avg rem 5/16in]	3	10	10	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	11		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	24	24	Square Feet

General Comments

Span 1 Beam 6 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Connection	[PAR] North anchor bolt missing	3	1	1	Each
316	Corrosion	active corrosion with section loss [up to 1/16in]	3		1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	1	1	Square Feet

General Comments

Span 1 Beam 6 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	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	36	0	23	13	0	Feet
515	Steel Protective Coating	192	50	0	46	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] bottom flange at near end, active corrosion with section loss [up to 30in x up to full width - avg rem 3/8in, with areas down to 1/4in at edges]	3	3	3	Feet
107	Corrosion	at far end, active corrosion with section loss; top and bottom flange [10ft x full width - avg rem 7/16in]	3	10	10	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	23		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	46	46	Square Feet

General Comments

Span 1 — Beam 7 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	active corrosion with section loss [up to 1/8in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	1	1	Square Feet

General Comments

Span 1 — Beam 7 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 1 — Beam 8

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	36	0	22	14	0	Feet
515	Steel Protective Coating	192	52	0	44	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at near end, active corrosion with section loss; bottom flange [22in x full width - avg rem 1/4in], lower web [28in x up to 2-1/2in - avg rem 1/4in]	3	1	1	Feet
107	Corrosion	2ft from far end, active corrosion with section loss; top and bottom flange [9ft x up to full width - avg rem 7/16in], lower web [up to 3ft x up to 4in - avg rem 5/16in]	3	9	9	Feet
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	4	4	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	22		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	44	44	Square Feet

General Comments

Span 1 — Beam 8 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	active corrosion with section loss [up to 1/8in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	1	1	Square Feet

General Comments

Span 1 — Beam 8 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 1 — Beam 9

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	36	0	23	13	0	Feet
515	Steel Protective Coating	192	52	0	44	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at near end, active corrosion with section loss; bottom flange [18in x full width - avg rem 0.35in], lower web [8in x up to 8in - avg rem 1/4in]	3	2	2	Feet
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	6	6	Feet
107	Corrosion	top and bottom flanges at 6 ft from far end, active corrosion with section loss [5ft x up to full width - avg rem 7/16in]	3	5	5	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	22		Feet
107	Distortion	South bottom flange at 2ft from interior diaphragm, distortion [6in x 1/4in]	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	44	44	Square Feet

General Comments

Span 1 Beam 9 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Connection	[PAR] North anchor bolt nut missing, [1/8in loss] on bolt and not fully embedded	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	1	1	Square Feet

General Comments

Span 1 Beam 9 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 1 Beam 10

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	36	0	0	36	0	Feet
515	Steel Protective Coating	192	57	0	0	135	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] along length of beam, multiple areas of active corrosion with section loss; bottom flange [up to 68in x 6in - avg rem 1/4in], lower web & web at rail post connections [up to 10ft x 6in - avg rem 1/4in]	3	28	28	Feet
107	Corrosion	along top and bottom flange, active corrosion with section loss [up to full width - avg rem 7/16in]	3	8	8	Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	135	135	Square Feet

General Comments

Span 1 — Beam 10 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	active corrosion with section loss [up to 1/16in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	1	1	Square Feet

General Comments

Span 1 — Beam 10 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Deck

Timber Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
31	Timber Deck	843	763	80	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
31	Decay/Section Loss	throughout edge of deck at North and South ends, areas of decay/surface softness in end of deck boards [up to full width x full height x up to 1in deep probe] with vegetation/moss growth	2	80		Square Feet

General Comments

Span 2 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	805	405	0	400	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	scattered throughout at random, multiple transverse cracks (full width x up to 1/4in)	3	400	400	Square Feet

General Comments

Span 2 — Left Bridge Rail

Timber Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
332	Timber Bridge Railing	35	0	35	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
332	Check/Shake	top board and curb, checks (full length x up to 1/4in)	2	35		Feet

General Comments

Span 2 — Right Bridge Rail

Timber Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
332	Timber Bridge Railing	35	0	35	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
332	Check/Shake	top board and curb, checks (full length x up to 1/4in)	2	35		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	35	0	0	35	0	Feet
515	Steel Protective Coating	192	57	0	0	135	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] along length active corrosion with section loss; top and bottom flange [up to 15ft x full width - avg rem 3/8in], bottom flange at midspan [10ft x full width - avg rem 1/4in, with edges down to 1/8in], lower web along length [up to 15ft x up to 9in - avg rem 1/4in], lower web at midspan [10ft x 4in - avg rem 3/16in], web at rail connections [up to 12in diameter - avg rem 1/4in]	3	35	35	Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	135	135	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	35	0	11	24	0	Feet
515	Steel Protective Coating	192	74	0	22	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at near end, active corrosion with section loss; top and bottom flange [12ft x up to full width - avg rem 3/8in], lower web [up to 50in x up to 8in - avg rem 5/16in]	3	12	12	Feet
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	8	8	Feet

107	Corrosion	near midspan, active corrosion with section loss; top and bottom flange [4ft x full width - avg rem 7/16in], lower web [3ft x 2in - avg rem 5/16in]	3	4	4	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	11		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	22	22	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	35	0	16	19	0	Feet
515	Steel Protective Coating	192	64	0	32	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	5	5	Feet
107	Corrosion	at near end, near third, and midspan, active corrosion with section loss; bottom flange [up to 8ft x full width - avg rem 7/16in]	3	14	14	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	16		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	32	32	Square Feet

General Comments

Span 2 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	35	0	20	15	0	Feet
515	Steel Protective Coating	192	56	0	40	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] near midspan, active corrosion with section loss; bottom flange [up to 42in x up to full width - avg rem 3/8in], lower web [16in x 2in - avg rem 1/4in]	3	4	4	Feet
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	11	11	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	40	40	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	35	0	21	14	0	Feet
515	Steel Protective Coating	192	54	0	42	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	14	14	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	21		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	42	42	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	35	0	0	35	0	Feet
515	Steel Protective Coating	192	96	0	0	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at far end, active corrosion with section loss; bottom flange [up to 8ft x full width - avg rem 3/8in], lower web [12ft x up to 2in - avg rem 1/4in]	3	8	8	Feet
107	Corrosion	along far 2/3rds, active corrosion with section loss; top and bottom flange [35ft x up to full width -avg rem 7/16in, with areas down to 3/8in], lower web [up to 8ft x up to 4in - avg rem 5/16in]	3	27	27	Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	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	35	0	24	11	0	Feet
515	Steel Protective Coating	192	48	0	48	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] near midspan, active corrosion with section loss; bottom flange [up to 6ft x full width - avg rem 0.31in], lower web [up to 5ft x 2in - avg rem 5/16in]	3	11	11	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	24		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	48	48	Square Feet

General Comments

Span 2 Beam 8

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	35	0	2	33	0	Feet
515	Steel Protective Coating	192	92	0	4	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at 2ft from far end, active corrosion with section loss, South bottom flange [16in x 4in - avg rem 3/8in], lower web [28in x up to 2in - avg rem 1/4in]	3	3	3	Feet
107	Corrosion	[PAR] near midspan, active corrosion with section loss; top and bottom flange [63in x full width - avg rem 3/8in], lower web along length [up to 59in x up to 4in - avg rem 1/4in]	3	19	19	Feet
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - 7/16in avg rem]	3	11	11	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	2		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	4	4	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	35	0	4	31	0	Feet
515	Steel Protective Coating	192	88	0	8	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at midspan, active corrosion with section loss; bottom flange [2ft x full width - avg rem 3/8in], lower web [32in x 5in - avg rem 1/4in]	3	3	3	Feet
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	28	28	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	4		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure and active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	8	8	Square Feet

General Comments

Span 2 Beam 10

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	35	0	0	35	0	Feet
515	Steel Protective Coating	192	57	0	0	135	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] along length, active corrosion with section loss; top and bottom flange [full length x full width - avg rem 0.34, with areas down to 1/8in], lower web & web at rail connections [up to 3ft x up to 14in - avg rem 1/4in]	3	35	35	Feet

515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	135	135	Square Feet

General Comments

Span 2 — Beam 1 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Beam 1 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Beam 2 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Beam 2 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Beam 3 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Beam 3 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Beam 4 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 Beam 4 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 Beam 5 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 Beam 5 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 Beam 6 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Beam 6 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Beam 7 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Beam 7 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Beam 8 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Beam 8 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Beam 9 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Beam 9 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Beam 10 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 2 — Beam 10 Far Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 3 — Deck

Timber Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
31	Timber Deck	867	787	80	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
31	Decay/Section Loss	throughout edge of deck at North and South ends, areas of decay/surface softness in end of deck boards [up to full width x full height x up to 1in deep probe] with vegetation/moss growth	2	80		Square Feet

General Comments

Span 3 — Left Bridge Rail

Timber Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
332	Timber Bridge Railing	36	0	36	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
332	Check/Shake	top board and curb, checks (full length x up to 1/4in)	2	36		Feet

General Comments

Span 3 — Right Bridge Rail

Timber Rail

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
332	Timber Bridge Railing	36	0	36	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
332	Check/Shake	top board and curb, checks (full length x up to 1/4in)	2	36		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	36	0	0	36	0	Feet
515	Steel Protective Coating	192	57	0	0	135	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 0.34in, edge down to 1/8in], lower and areas of upper web [16ft x up to 5in - avg rem 1/4in] , web at rail attachments [up to 12in diameter - avg rem 5/16in]	3	36	36	Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	135	135	Square Feet

General Comments

Span 3 — Beam 1 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 3 — Beam 1 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	active corrosion with section loss [up to 1/16in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	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	36	0	6	30	0	Feet
515	Steel Protective Coating	192	84	0	12	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] near midspan, active corrosion with section loss, bottom flange [10ft x full width - avg rem 0.35in], lower web [10ft x 4in - avg rem 5/16in]	3	10	10	Feet
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	20	20	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	6		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	12	12	Square Feet

General Comments

Span 3 Beam 2 Near Bearing

Other Bearing

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

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

General Comments

Span 3 Beam 2 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	active corrosion with section loss [up to 1/16in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	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	36	0	6	30	0	Feet
515	Steel Protective Coating	192	84	0	12	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at 15in from near end, active corrosion with section loss; bottom flange [5ft x up to full width - avg rem 3/8in], lower web [52in x 3in - avg rem 5/16in]	3	5	5	Feet
107	Corrosion	[PAR] at far end, active corrosion with section loss; bottom flange [23in x up to full width - avg rem 3/8in], lower web [up to 32in x up to 5in - avg rem 5/16in]	3	2	2	Feet
107	Corrosion	[PAR] at midspan, active corrosion with section loss; bottom flange [up to 10ft x full width - avg rem 0.36in], lower web [up to 10ft x 4in - avg rem 5/16in]	3	15	15	Feet
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	8	8	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	6		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	12	12	Square Feet

General Comments

Span 3 — Beam 3 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 3 — Beam 3 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	active corrosion with section loss [up to 1/16in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	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	36	0	12	24	0	Feet
515	Steel Protective Coating	192	72	0	24	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at far end, active corrosion with section loss, bottom flange [up to 24in x full width - avg rem 3/8in, with areas down to 3/16in], lower web [22in x up to 4in - avg rem 1/4in]	3	2	2	Feet
107	Corrosion	[PAR] at near end, active corrosion with section loss; North bottom flange [4ft x 4in - avg rem 3/8in]	3	4	4	Feet
107	Corrosion	[PAR] near midspan, active corrosion with section loss; top flange [up to 30in x up to full width - avg rem 5/16in], bottom flange [62in x up to full width - avg rem 7/16in]	3	6	6	Feet
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	12	12	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	12		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	24	24	Square Feet

General Comments

Span 3 Beam 4 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 3 Beam 4 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	active corrosion with section loss [up to 1/16in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	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	36	0	0	36	0	Feet
515	Steel Protective Coating	192	57	0	0	135	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at far end, active corrosion with section loss, bottom flange [41in x full width - avg rem 3/8in], lower web [up to 24in x up to 4in - avg rem 5/16in]	3	4	4	Feet
107	Corrosion	[PAR] at near third, active corrosion with section loss; bottom flange [36in x up to full width - avg rem 3/8in], lower web [40in x up to 3in - avg rem 1/4in]	3	3	3	Feet
107	Corrosion	along length at random, active corrosion with section loss; top and bottom flange [up to 8ft x up to full width - avg rem 7/16in], lower web [up to 30in x 2-1/2in - avg rem 5/16in]	3	18	18	Feet
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	11	11	Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	135	135	Square Feet

General Comments

Span 3 — Beam 5 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 3 — Beam 5 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	active corrosion with section loss [up to 1/16in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	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	36	0	17	19	0	Feet
515	Steel Protective Coating	192	62	0	34	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	12	12	Feet
107	Corrosion	at far end, active corrosion with section loss; bottom flange [up to 36in x up to full width - avg rem 7/16in], lower web [14in x 2in - avg rem 5/16in], web at 33in from End Bent 2 [up to 44in x up to 3in - avg rem 5/16in]	3	4	4	Feet
107	Corrosion	at near end, active corrosion with section loss; bottom flange [31in x up to full width - avg rem 7/16in], lower web [21in x 3in - avg rem 5/16in]	3	3	3	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	17		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	34	34	Square Feet

General Comments

Span 3 — Beam 6 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 3 — Beam 6 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	active corrosion with section loss [up to 1/16in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	1	1	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	36	0	16	20	0	Feet
515	Steel Protective Coating	192	64	0	32	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at 18in from near end, active corrosion with section loss; bottom flange [32in x up to full width - avg rem 3/8in]	3	3	3	Feet
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	17	17	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	16		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	32	32	Square Feet

General Comments

Span 3 Beam 7 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 3 Beam 7 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	active corrosion with section loss [up to 1/16in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	1	1	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	36	0	0	36	0	Feet
515	Steel Protective Coating	192	57	0	0	135	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at far end, active corrosion with section loss; bottom flange [up to 27in x full width - avg rem 3/8in], lower web [up to 7ft x up to 3in - avg rem 5/16in]	3	7	7	Feet
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	2	2	Feet
107	Corrosion	along length of top flange, active corrosion with section loss [full length x up to full width - avg rem 7/16in]	3	17	17	Feet
107	Corrosion	at far half, active corrosion with section loss; lower web [10ft x up to 4in - avg rem 5/16in]	3	10	10	Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	135	135	Square Feet

General Comments

Span 3 Beam 8 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 3 Beam 8 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	active corrosion with section loss [up to 1/16in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	1	1	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	36	0	8	28	0	Feet
515	Steel Protective Coating	192	80	0	16	96	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] at far end, active corrosion with section loss; bottom flange [up to 38in x up to full width - avg rem 3/8in], lower web [up to 19in x up to 5in - avg rem 5/16in]	3	4	4	Feet
107	Corrosion	[PAR] at near end, active corrosion with section loss; North bottom flange [41in x 4in - avg rem 3/8in]	3	4	4	Feet
107	Corrosion	[PAR] near midspan, active corrosion with section loss; bottom flange [24in x full width - avg rem 3/8in], lower web [20in x 2in - avg rem 1/4in]	3	2	2	Feet
107	Corrosion	along length of top and bottom flange, areas of active corrosion with section loss [up to 1/16in loss - full section avg rem]	3	18	18	Feet
107	Corrosion	along length of beam at random locations, areas of active surface corrosion [no section loss noted]	2	8		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	96	96	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion [no section loss noted]	3	16	16	Square Feet

General Comments

Span 3 Beam 9 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1		Square Feet

General Comments

Span 3 Beam 9 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	active corrosion with section loss [up to 1/16in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	1	1	Square Feet

General Comments

Span 3 — Beam 10

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	36	0	0	36	0	Feet
515	Steel Protective Coating	192	57	0	0	135	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	[PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in, with edges down to 1/16in], lower web [full length x up to 4in - avg rem 1/4in, with areas down to 3/16in], web at rail attachments [12in diameter - avg rem 1/4in]	3	36	36	Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	135	135	Square Feet

General Comments

Span 3 — Beam 10 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Span 3 — Beam 10 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	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	
316	Corrosion	active corrosion with section loss [up to 1/16in]	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	1	1	Square Feet

General Comments

Span 3 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	828	538	260	30	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	asphalt over end bent 2, transverse crack [full width x up to 1/2in]	3	30	30	Square Feet

510	Crack (Wearing Surface)	throughout wearing surface, multiple transverse cracks [up to full width x up to 1/16in]	2	260	260	Square Feet

General Comments

Span 3 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	828	395	0	433	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	both lanes and shoulders over end bent 2, transverse crack (full width x up to 1in)	3	33	33	Square Feet
510	Crack (Wearing Surface)	scattered throughout at random, multiple transverse cracks (full width x up to 1/4in)	3	400	400	Square Feet

General Comments

Bent 1 Cap 1

Steel Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
231	Steel Pier Cap	35	12	15	8	0	Feet
515	Steel Protective Coating	102	73	0	15	14	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
231	Corrosion	[PAR] along West face at stiffeners 2-6, 9, & 10, active corrosion with section loss [up to 6in x full width - avg rem 3/8in]; along East face at stiffeners 1-5, 9 & 10, active corrosion with section loss [8in x full width - avg rem 3/8in]	3	8	8	Feet
231	Corrosion	along length of cap at random locations, areas of active surface corrosion [no section loss noted]	2	15		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	14	14	Square Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	15	15	Square Feet

General Comments

Bent 1 Pile 1

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	20	18	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	along height of exposed pile, random areas of active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	2	2	Square Feet

General Comments

Bent 1 Pile 2

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	20	18	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	along height of exposed pile, random areas of active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	2	2	Square Feet

General Comments

Bent 1 Pile 3

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	20	18	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	along height of exposed pile, random areas of active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	2	2	Square Feet

General Comments

Bent 1 Pile 4

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	20	18	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	along height of exposed pile, random areas of active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	2	2	Square Feet

General Comments

Bent 1 Pile 5

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	20	18	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	along height of exposed pile, random areas of active surface corrosion [no section loss noted]	2	1		Each

515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	2	2	Square Feet

General Comments

Bent 1 — Pile 6

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	20	18	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	along height of exposed pile, random areas of active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	2	2	Square Feet

General Comments

End Bent 1 — Abutment

Reinforced Concrete Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	49	36	0	13	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Cracking (RC and Other)	at bay 4, vertical crack [full height x 3/16in]	3	1	1	Feet
215	Delamination/Spall	top of backwall at South end, spall [5ft x full width x 2in deep] with adjacent delamination [5ft x 9in] with efflorescence & rust stain	3	5	5	Feet
215	Efflorescence/Rust Staining	at North end, multiple transverse & vertical cracks [up to full height x hairline] with rust stain	3	7	7	Feet
215	Cracking (RC and Other)	along length, multiple vertical cracks [full height x hairline]	1	4		Feet

General Comments

Bent 2 — Cap 1

Steel Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
231	Steel Pier Cap	35	5	20	10	0	Feet
515	Steel Protective Coating	102	77	0	15	10	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
231	Corrosion	[PAR] along West face at stiffeners 2, 6, & 7, active corrosion with section loss [up to 6in x full width - avg rem 3/8in]; along East face at stiffeners 1, 2, & 7-9, active corrosion with section loss [8in x full width - avg rem 3/8in]	3	6	6	Feet
231	Corrosion	along West face at stiffeners 1, 3-5, & 8-10, active corrosion with section loss [up to 6in x full width - avg rem 5/16in]; along East face at stiffeners 3-6 & 10, active corrosion with section loss [up to 6in x full width - avg rem 5/16in]	3	4	4	Feet
231	Corrosion	along length of cap at random locations, areas of active surface corrosion [no section loss noted]	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	paint failure with active corrosion and section loss	4	10	10	Square Feet

515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	15	15	Square Feet

General Comments

Bent 2 Pile 1

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	20	18	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	along height of exposed pile, random areas of active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	2	2	Square Feet

General Comments

Bent 2 Pile 2

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	20	19	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	along height of exposed pile, random areas of active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	1	1	Square Feet

General Comments

Bent 2 Pile 3

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	20	18	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	along height of exposed pile, random areas of active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	2	2	Square Feet

General Comments

Bent 2 Pile 4

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	20	18	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	along height of exposed pile, random areas of active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	2	2	Square Feet

General Comments

Bent 2 Pile 5

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	20	18	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	along height of exposed pile, random areas of active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	2	2	Square Feet

General Comments

Bent 2 Pile 6

Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	20	18	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	along height of exposed pile, random areas of active surface corrosion [no section loss noted]	2	1		Each
515	Effectiveness (Steel Protective Coatings)	paint failure with active surface corrosion	3	2	2	Square 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	49	48	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Efflorescence/Rust Staining	below beam 7, vertical crack [full height x hairline] with efflorescence	2	1		Feet
215	Cracking (RC and Other)	below beam 5 & bay 2, vertical crack [full height x hairline]	1	2		Feet

215	Cracking (RC and Other)	below beams 4 & 5, horizontal crack [26in x hairline]	1	3	Feet

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Timber Deck	Timber Deck	867
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	36
Span 1	Beam 10	Plate Girder	Steel Open Girder/Beam	36
Span 1	Left Bridge Rail	Timber Rail	Timber Bridge Railing	36
Span 1	Right Bridge Rail	Timber Rail	Timber Bridge Railing	36
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	828
Span 1	Beam 1 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 1 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 2 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 2 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 3 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 3 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 4 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 4 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 5 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 5 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 6 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 6 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 7 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 7 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 8 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 8 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 9 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 9 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 10 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 10 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Deck	Timber Deck	Timber Deck	843
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	35
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	35
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	35
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	35
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	35
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	35
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	35
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	35
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	35
Span 2	Beam 10	Plate Girder	Steel Open Girder/Beam	35

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 2	Left Bridge Rail	Timber Rail	Timber Bridge Railing	35
Span 2	Right Bridge Rail	Timber Rail	Timber Bridge Railing	35
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	805
Span 2	Beam 1 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 1 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 2 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 2 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 3 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 3 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 4 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 4 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 5 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 5 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 6 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 6 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 7 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 7 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 8 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 8 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 9 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 9 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 10 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 10 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Deck	Timber Deck	Timber Deck	867
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	36
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	36
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	36
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	36
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	36
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	36
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	36
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	36
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	36
Span 3	Beam 10	Plate Girder	Steel Open Girder/Beam	36
Span 3	Left Bridge Rail	Timber Rail	Timber Bridge Railing	36
Span 3	Right Bridge Rail	Timber Rail	Timber Bridge Railing	36
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	828
Span 3	Beam 1 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 1 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 2 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 2 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 3 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 3 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 4 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 4 Near Bearing	Other Bearing	Other Bearings	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Beam 5 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 5 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 6 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 6 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 7 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 7 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 8 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 8 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 9 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 9 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 10 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 10 Near Bearing	Other Bearing	Other Bearings	1
Bent 1	Cap 1	Steel Pier Cap	Steel Pier Cap	35
Bent 1	Pile 1	Steel Pile	Steel Pile	1
Bent 1	Pile 2	Steel Pile	Steel Pile	1
Bent 1	Pile 3	Steel Pile	Steel Pile	1
Bent 1	Pile 4	Steel Pile	Steel Pile	1
Bent 1	Pile 5	Steel Pile	Steel Pile	1
Bent 1	Pile 6	Steel Pile	Steel Pile	1
Bent 1		Reinforced Concrete Footing	Reinforced Concrete Pile Cap/Footing	37
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	49
Bent 2	Cap 1	Steel Pier Cap	Steel Pier Cap	35
Bent 2	Pile 1	Steel Pile	Steel Pile	1
Bent 2	Pile 2	Steel Pile	Steel Pile	1
Bent 2	Pile 3	Steel Pile	Steel Pile	1
Bent 2	Pile 4	Steel Pile	Steel Pile	1
Bent 2	Pile 5	Steel Pile	Steel Pile	1
Bent 2	Pile 6	Steel Pile	Steel Pile	1
Bent 2		Reinforced Concrete Footing	Reinforced Concrete Pile Cap/Footing	37
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	49

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 480166 **Inspection Date:** 05/27/2020

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**6**
Item 59: Superstructure	0 - 9 , N	**4**
Item 60: Substructure	0 - 9 , N	**5**
Item 61: Channel and Channel Protection	0 - 9 , N	**7**
Item 62: Culvert	0 - 9 , N	**N**
Item 71: Waterway Adequacy	0 - 9 , N	**7**
Item 72: Approach Roadway Alignment	0 - 9 , N	**8**

Note: 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	**F**	**1855**	**3376**
Drainage System	G, F, P, or C			
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C			
Scour	G, F, P, or C	**G**		
Wingwall	G, F, P, or C			
Field Scour Evaluation		**O**		
Drift	G, F, P, or C	**F**	**12**	**3366**
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	**F**		
Superstructure Paint Code		**U**		

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	**14**
Traffic Control Time	Hours	**0**
Snooper Time	Hours	**0**
Ladder Used	YES/NO	**Y**
Bucket Truck Used	YES/NO	**N**
Boat Used	YES/NO	**N**
Other Equipment Used	YES/NO	**Y**

National Bridge and NC SMU Inspection Item Details

Structure Number: 480166 **Inspection Date:** 05/27/2020

Item	Superstructure - Item 59	**Grade**	4	**Maint Code**		**Qty.**	0
Details	throughout superstructure, active corrosion with advanced section loss						

Item	Presently Posted	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	SV: 33 TTST: 40						

Item	Other Equipment Used	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	Waders						

Item	Deck Debris	**Grade**	F	**Maint Code**	3376	**Qty.**	1855
Details	Throughout both shoulders, debris accumulation [up to 12in x 1in deep] with vegetation growth						

Item	Drift	**Grade**	F	**Maint Code**	3366	**Qty.**	12
Details	at bent 2 and West streambank, drift accumulation [up to 20in diameter]						

Item	Scour	**Grade**	G	**Maint Code**		**Qty.**	0
Details	Code Z: Bridge with "Unknown Foundation" that has not been evaluated for scour. Average Daily Traffic (ADT) is less than 1500. Bridge is considered low risk using NCHRP 24-25 "Guidelines for Risk-Based Management of Bridges with Unknown Foundations". A Plan of Action (POA) has been implemented. POA Monitor bridge foundation during biennial inspection cycle for case 1 or 2. 1) If mudline at any bent or interior bent scours more than 4 feet from the established baseline contact the Hydraulics Unit. Establish a baseline using the 2008-2009 inspection soundings. 2) If footings have greater than 10% of the bearing undermined, contact the Hydraulics Unit.						

Item	Response to live load	**Grade**	F	**Maint Code**		**Qty.**	0
Details	Movement felt and observed under live load						

Item	General Comments and Misc Items	**Grade**		**Maint Code**		**Qty.**	0
Details	SV: 33 TTST: 40						

Span 1 Beam 10: [PAR] along length of beam, multiple areas of active corrosion with section loss; bottom flange [up to 68in x 6in - avg rem 1/4in], lower web & web at rail post connections [up to 10ft x 6in - avg rem 1/4in]

Span 1 Beam 10: [PAR] along length of beam, multiple areas of active corrosion with section loss; bottom flange [up to 68in x 6in - avg rem 1/4in], lower web & web at rail post connections [up to 10ft x 6in - avg rem 1/4in]

Span 1 Beam 10: [PAR] along length of beam, multiple areas of active corrosion with section loss; bottom flange [up to 68in x 6in - avg rem 1/4in], lower web & web at rail post connections [up to 10ft x 6in - avg rem 1/4in]

Span 1 Beam 9: [PAR] at near end, active corrosion with section loss; bottom flange [18in x full width - avg rem 0.35in], lower web [8in x up to 8in - avg rem 1/4in]

Span 1 Beam 9: [PAR] at near end, active corrosion with section loss; bottom flange [18in x full width - avg rem 0.35in], lower web [8in x up to 8in - avg rem 1/4in]

Span 1 Beam 9 Near Bearing: [PAR] North anchor bolt nut missing, [1/8in loss] on bolt and not fully embedded

Span 1 Beam 8: [PAR] at near end, active corrosion with section loss; bottom flange [22in x full width - avg rem 1/4in], lower web [28in x up to 2-1/2in - avg rem 1/4in]

Span 1 Beam 8: [PAR] at near end, active corrosion with section loss; bottom flange [22in x full width - avg rem 1/4in], lower web [28in x up to 2-1/2in - avg rem 1/4in]

Span 1 Beam 7: [PAR] bottom flange at near end, active corrosion with section loss [up to 30in x up to full width - avg rem 3/8in, with areas down to 1/4in at edges]

Span 1 Beam 7: [PAR] bottom flange at near end, active corrosion with section loss [up to 30in x up to full width - avg rem 3/8in, with areas down to 1/4in at edges]

Span 1 Beam 6: [PAR] at near end, active corrosion with section loss, South bottom flange [up to 36in x up to 4in - avg rem 3/8in], lower web [30in x up to 3in - avg rem 1/4in]

Span 1 Beam 6: [PAR] at near end, active corrosion with section loss, South bottom flange [up to 36in x up to 4in - avg rem 3/8in], lower web [30in x up to 3in - avg rem 1/4in]

Span 1 Beam 5: [PAR] at near end, active corrosion with section loss; bottom flange [20in x full width - avg rem 3/8in], lower web [18in x 4in - avg rem 1/4in]

Span 1 Beam 6 Near Bearing: [PAR] North anchor bolt missing

Span 1 Beam 4: [PAR] at near end, active corrosion with section loss; bottom flange [16in x full width - avg rem 1/2in], lower web [14in x 2in - avg rem 1/4in]

End Bent 1 Abutment/Backwall : at bay 4, vertical crack [full height x 3/16in]

Span 1 Beam 4 Near Bearing: [PAR] North anchor bolt missing

Span 1 Beam 3 Near Bearing: [PAR] North anchor bolt missing

Span 1 Beam 2: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 0.35in], lower web [up to 3ft x up to 6in - avg rem 5/16in]

Span 1 Beam 2: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 0.35in], lower web [up to 3ft x up to 6in - avg rem 5/16in]

Span 1 Beam 2 Near Bearing: [PAR] North anchor bolt missing

Span 1 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in], lower web [full length x up to 3in - avg rem 5/16in]

Span 1 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in], lower web [full length x up to 3in - avg rem 5/16in]

throughout underside of deck, multiple core holes [6in diameter]

Span 1 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in], lower web [full length x up to 3in - avg rem 5/16in]

Span 1 Beam 2: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 0.35in], lower web [up to 3ft x up to 6in - avg rem 5/16in]

Span 1 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in], lower web [full length x up to 3in - avg rem 5/16in]

Span 1 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in], lower web [full length x up to 3in - avg rem 5/16in]

Span 1 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in], lower web [full length x up to 3in - avg rem 5/16in]

Span 1 Beam 3: [PAR] near midspan and at far third ,two [2] areas of active corrosion with section loss; bottom flange [up to 48in x full width - avg rem 3/8in], lower web [32in x 2-1/2in - avg rem 9/32in]

Span 1 Beam 3: [PAR] near midspan and at far third ,two [2] areas of active corrosion with section loss; bottom flange [up to 48in x full width - avg rem 3/8in], lower web [32in x 2-1/2in - avg rem 9/32in]

Span 1 Beam 8: 2ft from far end, active corrosion with section loss; top and bottom flange [9ft x up to full width - avg rem 7/16in], lower web [up to 3ft x up to 4in - avg rem 5/16in]

Span 1 Beam 9: South bottom flange at 2ft from interior diaphragm, distortion [6in x 1/4in]

Span 1 Beam 9: South bottom flange at 2ft from interior diaphragm, distortion [6in x 1/4in]

Bent 1 Cap 1: [PAR] along West face at stiffeners 2-6, 9, & 10, active corrosion with section loss [up to 6in x full width - avg rem 3/8in]; along East face at stiffeners 1-5, 9 & 10, active corrosion with section loss [8in x full width - avg rem 3/8in]

Bent 1 Cap 1: [PAR] along West face at stiffeners 2-6, 9, & 10, active corrosion with section loss [up to 6in x full width - avg rem 3/8in]; along East face at stiffeners 1-5, 9 & 10, active corrosion with section loss [8in x full width - avg rem 3/8in]

Span 2 Beam 10: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x full width - avg rem 0.34, with areas down to 1/8in], lower web & web at rail connections [up to 3ft x up to 14in - avg rem 1/4in]

Span 2 Beam 10: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x full width - avg rem 0.34, with areas down to 1/8in], lower web & web at rail connections [up to 3ft x up to 14in - avg rem 1/4in]

Span 2 Beam 10: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x full width - avg rem 0.34, with areas down to 1/8in], lower web & web at rail connections [up to 3ft x up to 14in - avg rem 1/4in]

Span 2 Beam 10: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x full width - avg rem 0.34, with areas down to 1/8in], lower web & web at rail connections [up to 3ft x up to 14in - avg rem 1/4in]

Span 2 Beam 9: [PAR] at midspan, active corrosion with section loss; bottom flange [2ft x full width - avg rem 3/8in], lower web [32in x 5in - avg rem 1/4in]

Span 2 Beam 8: [PAR] near midspan, active corrosion with section loss; top and bottom flange [63in x full width - avg rem 3/8in], lower web along length [up to 59in x up to 4in - avg rem 1/4in]

Span 2 Beam 8: [PAR] near midspan, active corrosion with section loss; top and bottom flange [63in x full width - avg rem 3/8in], lower web along length [up to 59in x up to 4in - avg rem 1/4in]

Span 2 Beam 8: [PAR] near midspan, active corrosion with section loss; top and bottom flange [63in x full width - avg rem 3/8in], lower web along length [up to 59in x up to 4in - avg rem 1/4in]

Span 2 Beam 8: [PAR] near midspan, active corrosion with section loss; top and bottom flange [63in x full width - avg rem 3/8in], lower web along length [up to 59in x up to 4in - avg rem 1/4in]

Span 2 Beam 8: [PAR] near midspan, active corrosion with section loss; top and bottom flange [63in x full width - avg rem 3/8in], lower web along length [up to 59in x up to 4in - avg rem 1/4in]

Span 2 Beam 8: [PAR] near midspan, active corrosion with section loss; top and bottom flange [63in x full width - avg rem 3/8in], lower web along length [up to 59in x up to 4in - avg rem 1/4in]

Span 2 Beam 7: [PAR] near midspan, active corrosion with section loss; bottom flange [up to 6ft x full width - avg rem 0.31in], lower web [up to 5ft x 2in - avg rem 5/16in]

Span 2 Beam 7: [PAR] near midspan, active corrosion with section loss; bottom flange [up to 6ft x full width - avg rem 0.31in], lower web [up to 5ft x 2in - avg rem 5/16in]

Span 2 Beam 7: [PAR] near midspan, active corrosion with section loss; bottom flange [up to 6ft x full width - avg rem 0.31in], lower web [up to 5ft x 2in - avg rem 5/16in]

Span 2 Beam 7: [PAR] near midspan, active corrosion with section loss; bottom flange [up to 6ft x full width - avg rem 0.31in], lower web [up to 5ft x 2in - avg rem 5/16in]

Span 2 Beam 4: [PAR] near midspan, active corrosion with section loss; bottom flange [up to 42in x up to full width - avg rem 3/8in], lower web [16in x 2in - avg rem 1/4in]

Span 2 Beam 2: [PAR] at near end, active corrosion with section loss; top and bottom flange [12ft x up to full width - avg rem 3/8in], lower web [up to 50in x up to 8in - avg rem 5/16in]

Span 2 Beam 2: [PAR] at near end, active corrosion with section loss; top and bottom flange [12ft x up to full width - avg rem 3/8in], lower web [up to 50in x up to 8in - avg rem 5/16in]

Span 2 Beam 1: [PAR] along length active corrosion with section loss; top and bottom flange [up to 15ft x full width - avg rem 3/8in], bottom flange at midspan [10ft x full width - avg rem 1/4in, with edges down to 1/8in], lower web along length [up to 15ft x up to 9in - avg rem 1/4in], lower web at midspan [10ft x 4in - avg rem 3/16in], web at rail connections [up to 12in diameter - avg rem 1/4in]

Span 2 Beam 1: [PAR] along length active corrosion with section loss; top and bottom flange [up to 15ft x full width - avg rem 3/8in], bottom flange at midspan [10ft x full width - avg rem 1/4in, with edges down to 1/8in], lower web along length [up to 15ft x up to 9in - avg rem 1/4in], lower web at midspan [10ft x 4in - avg rem 3/16in], web at rail connections [up to 12in diameter - avg rem 1/4in]

Span 2 Beam 1: [PAR] along length active corrosion with section loss; top and bottom flange [up to 15ft x full width - avg rem 3/8in], bottom flange at midspan [10ft x full width - avg rem 1/4in, with edges down to 1/8in], lower web along length [up to 15ft x up to 9in - avg rem 1/4in], lower web at midspan [10ft x 4in - avg rem 3/16in], web at rail connections [up to 12in diameter - avg rem 1/4in]

Span 2 Beam 1: [PAR] along length active corrosion with section loss; top and bottom flange [up to 15ft x full width - avg rem 3/8in], bottom flange at midspan [10ft x full width - avg rem 1/4in, with edges down to 1/8in], lower web along length [up to 15ft x up to 9in - avg rem 1/4in], lower web at midspan [10ft x 4in - avg rem 3/16in], web at rail connections [up to 12in diameter - avg rem 1/4in]

Span 2 Beam 1: [PAR] along length active corrosion with section loss; top and bottom flange [up to 15ft x full width - avg rem 3/8in], bottom flange at midspan [10ft x full width - avg rem 1/4in, with edges down to 1/8in], lower web along length [up to 15ft x up to 9in - avg rem 1/4in], lower web at midspan [10ft x 4in - avg rem 3/16in], web at rail connections [up to 12in diameter - avg rem 1/4in]

Span 2 Beam 1: [PAR] along length active corrosion with section loss; top and bottom flange [up to 15ft x full width - avg rem 3/8in], bottom flange at midspan [10ft x full width - avg rem 1/4in, with edges down to 1/8in], lower web along length [up to 15ft x up to 9in - avg rem 1/4in], lower web at midspan [10ft x 4in - avg rem 3/16in], web at rail connections [up to 12in diameter - avg rem 1/4in]

Span 3 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 0.34in, edge down to 1/8in], lower and areas of upper web [16ft x up to 5in - avg rem 1/4in] , web at rail attachments [up to 12in diameter - avg rem 5/16in]

Span 3 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 0.34in, edge down to 1/8in], lower and areas of upper web [16ft x up to 5in - avg rem 1/4in] , web at rail attachments [up to 12in diameter - avg rem 5/16in]

Span 3 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 0.34in, edge down to 1/8in], lower and areas of upper web [16ft x up to 5in - avg rem 1/4in] , web at rail attachments [up to 12in diameter - avg rem 5/16in]

Span 3 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 0.34in, edge down to 1/8in], lower and areas of upper web [16ft x up to 5in - avg rem 1/4in] , web at rail attachments [up to 12in diameter - avg rem 5/16in]

Span 2 Beam 6: [PAR] at far end, active corrosion with section loss; bottom flange [up to 8ft x full width - avg rem 3/8in], lower web [12ft x up to 2in - avg rem 1/4in]

Span 2 Beam 6: [PAR] at far end, active corrosion with section loss; bottom flange [up to 8ft x full width - avg rem 3/8in], lower web [12ft x up to 2in - avg rem 1/4in]

Drift: at bent 2 and West streambank, drift accumulation [up to 20in diameter]

Span 2 Beam 8: [PAR] at 2ft from far end, active corrosion with section loss, South bottom flange [16in x 4in - avg rem 3/8in], lower web [28in x up to 2in - avg rem 1/4in]

Span 2 Beam 8: [PAR] at 2ft from far end, active corrosion with section loss, South bottom flange [16in x 4in - avg rem 3/8in], lower web [28in x up to 2in - avg rem 1/4in]

Bent 2 Cap 1: [PAR] along West face at stiffeners 2, 6, & 7, active corrosion with section loss [up to 6in x full width - avg rem 3/8in]; along East face at stiffeners 1, 2, & 7-9, active corrosion with section loss [8in x full width - avg rem 3/8in]

Bent 2 Cap 1: [PAR] along West face at stiffeners 2, 6, & 7, active corrosion with section loss [up to 6in x full width - avg rem 3/8in]; along East face at stiffeners 1, 2, & 7-9, active corrosion with section loss [8in x full width - avg rem 3/8in]

Span 3 Beam 3: [PAR] at 15in from near end, active corrosion with section loss; bottom flange [5ft x up to full width - avg rem 3/8in], lower web [52in x 3in - avg rem 5/16in]

Span 3 Beam 3: [PAR] at 15in from near end, active corrosion with section loss; bottom flange [5ft x up to full width - avg rem 3/8in], lower web [52in x 3in - avg rem 5/16in]

Span 3 Beam 4: [PAR] at near end, active corrosion with section loss; North bottom flange [4ft x 4in - avg rem 3/8in]

Span 3 Beam 4: [PAR] at near end, active corrosion with section loss; North bottom flange [4ft x 4in - avg rem 3/8in]

Span 3 Beam 7: [PAR] at 18in from near end, active corrosion with section loss; bottom flange [32in x up to full width - avg rem 3/8in]

Span 3 Beam 7: [PAR] at 18in from near end, active corrosion with section loss; bottom flange [32in x up to full width - avg rem 3/8in]

Span 3 Beam 9: [PAR] at near end, active corrosion with section loss; North bottom flange [41in x 4in - avg rem 3/8in]

Span 3 Beam 9: [PAR] at near end, active corrosion with section loss; North bottom flange [41in x 4in - avg rem 3/8in]

Span 3 Beam 2: [PAR] near midspan, active corrosion with section loss, bottom flange [10ft x full width - avg rem 0.35in], lower web [10ft x 4in - avg rem 5/16in]

Span 3 Beam 2: [PAR] near midspan, active corrosion with section loss, bottom flange [10ft x full width - avg rem 0.35in], lower web [10ft x 4in - avg rem 5/16in]

Span 3 Beam 3: [PAR] at midspan, active corrosion with section loss; bottom flange [up to 10ft x full width - avg rem 0.36in], lower web [up to 10ft x 4in - avg rem 5/16in]

Span 3 Beam 3: [PAR] at midspan, active corrosion with section loss; bottom flange [up to 10ft x full width - avg rem 0.36in], lower web [up to 10ft x 4in - avg rem 5/16in]

Span 3 Beam 3: [PAR] at midspan, active corrosion with section loss; bottom flange [up to 10ft x full width - avg rem 0.36in], lower web [up to 10ft x 4in - avg rem 5/16in]

Span 3 Beam 3: [PAR] at midspan, active corrosion with section loss; bottom flange [up to 10ft x full width - avg rem 0.36in], lower web [up to 10ft x 4in - avg rem 5/16in]

Span 3 Beam 4: [PAR] near midspan, active corrosion with section loss; top flange [up to 30in x up to full width - avg rem 5/16in], bottom flange [62in x up to full width - avg rem 7/16in]

Span 3 Beam 4: [PAR] near midspan, active corrosion with section loss; top flange [up to 30in x up to full width - avg rem 5/16in], bottom flange [62in x up to full width - avg rem 7/16in]

Span 3 Beam 4: [PAR] near midspan, active corrosion with section loss; top flange [up to 30in x up to full width - avg rem 5/16in], bottom flange [62in x up to full width - avg rem 7/16in]

Span 3 Beam 5: [PAR] at near third, active corrosion with section loss; bottom flange [36in x up to full width - avg rem 3/8in], lower web [40in x up to 3in - avg rem 1/4in]

Span 3 Beam 5: [PAR] at near third, active corrosion with section loss; bottom flange [36in x up to full width - avg rem 3/8in], lower web [40in x up to 3in - avg rem 1/4in]

Span 3 Beam 9: [PAR] near midspan, active corrosion with section loss; bottom flange [24in x full width - avg rem 3/8in], lower web [20in x 2in - avg rem 1/4in]

Span 3 Beam 9: [PAR] near midspan, active corrosion with section loss; bottom flange [24in x full width - avg rem 3/8in], lower web [20in x 2in - avg rem 1/4in]

Span 3 Beam 10: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in, with edges down to 1/16in], lower web [full length x up to 4in - avg rem 1/4in, with areas down to 3/16in], web at rail attachments [12in diameter - avg rem 1/4in]

Span 3 Beam 10: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in, with edges down to 1/16in], lower web [full length x up to 4in - avg rem 1/4in, with areas down to 3/16in], web at rail attachments [12in diameter - avg rem 1/4in]

Span 3 Beam 10: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in, with edges down to 1/16in], lower web [full length x up to 4in - avg rem 1/4in, with areas down to 3/16in], web at rail attachments [12in diameter - avg rem 1/4in]

Span 3 Beam 10: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in, with edges down to 1/16in], lower web [full length x up to 4in - avg rem 1/4in, with areas down to 3/16in], web at rail attachments [12in diameter - avg rem 1/4in]

Span 3 Beam 3: [PAR] at far end, active corrosion with section loss; bottom flange [23in x up to full width - avg rem 3/8in], lower web [up to 32in x up to 5in - avg rem 5/16in]

Span 3 Beam 4: [PAR] at far end, active corrosion with section loss, bottom flange [up to 24in x full width - avg rem 3/8in, with areas down to 3/16in], lower web [22in x up to 4in - avg rem 1/4in]

Span 3 Beam 4: [PAR] at far end, active corrosion with section loss, bottom flange [up to 24in x full width - avg rem 3/8in, with areas down to 3/16in], lower web [22in x up to 4in - avg rem 1/4in]

Span 3 Beam 4: [PAR] at far end, active corrosion with section loss, bottom flange [up to 24in x full width - avg rem 3/8in, with areas down to 3/16in], lower web [22in x up to 4in - avg rem 1/4in]

Span 3 Beam 5: [PAR] at far end, active corrosion with section loss, bottom flange [41in x full width - avg rem 3/8in], lower web [up to 24in x up to 4in - avg rem 5/16in]

Span 3 Beam 5: [PAR] at far end, active corrosion with section loss, bottom flange [41in x full width - avg rem 3/8in], lower web [up to 24in x up to 4in - avg rem 5/16in]

Span 3 Beam 5: [PAR] at far end, active corrosion with section loss, bottom flange [41in x full width - avg rem 3/8in], lower web [up to 24in x up to 4in - avg rem 5/16in]

Span 3 Beam 8: [PAR] at far end, active corrosion with section loss; bottom flange [up to 27in x full width - avg rem 3/8in], lower web [up to 7ft x up to 3in - avg rem 5/16in]

Span 3 Beam 8: [PAR] at far end, active corrosion with section loss; bottom flange [up to 27in x full width - avg rem 3/8in], lower web [up to 7ft x up to 3in - avg rem 5/16in]

Span 3 Beam 9: [PAR] at far end, active corrosion with section loss; bottom flange [up to 38in x up to full width - avg rem 3/8in], lower web [up to 19in x up to 5in - avg rem 5/16in]

Span 3 Beam 9: [PAR] at far end, active corrosion with section loss; bottom flange [up to 38in x up to full width - avg rem 3/8in], lower web [up to 19in x up to 5in - avg rem 5/16in]

Span 3 Deck: throughout edge of deck at North and South ends, areas of decay/surface softness in end of deck boards [up to full width x full height x up to 1in deep probe] with vegetation/moss growth

Span 3 Deck: throughout edge of deck at North and South ends, areas of decay/surface softness in end of deck boards [up to full width x full height x up to 1in deep probe] with vegetation/moss growth

Span 3 Left Bridge Rail: top board and curb, checks (full length x up to 1/4in)

Span 1 Wearing Surface: both lanes and shoulders over end bent 1, transverse crack (full width x up to 1in)

Stream Bed Soundings

(Profile diagram on following sheet)

County **IREDELL** Structure Number: **480166** Inspection Date **05/30/2020**

Sounding recorded from: **Top of Bridge Rail**

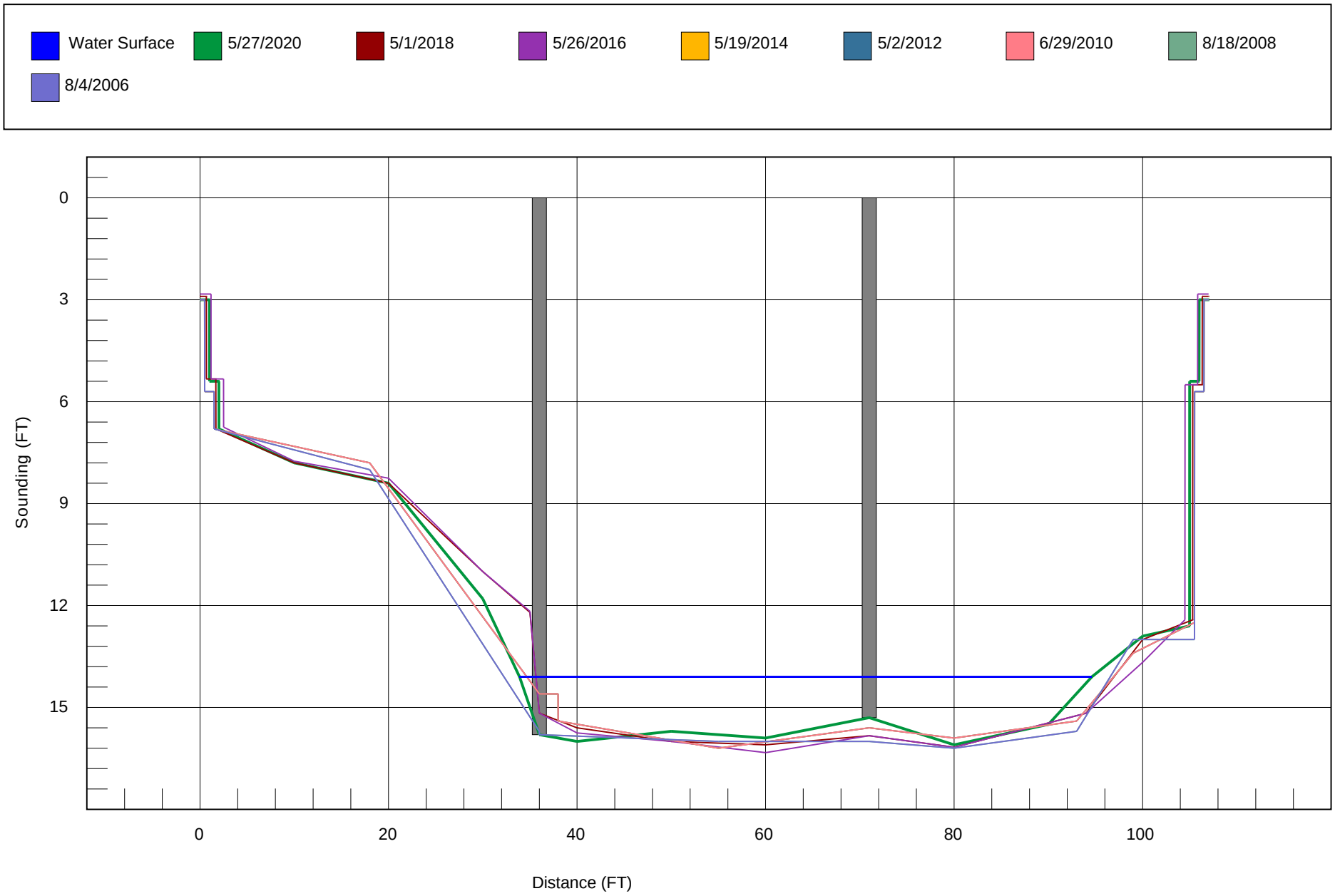
Highwater Mark Distance **8.2** Location of Highwater Mark **stains at End Bent 2 Backwall**

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	3.000	0.000	fill face
1.000	3.000	0.000	face of backwall
1.010	5.400	0.000	cap at backwall
2.000	5.400	0.000	face of cap
2.010	6.800	6.900	ground at cap
10.000	7.800	0.000	slope
20.000	8.400	0.000	slope
30.000	11.800	0.000	11.8
33.900	14.100	0.000	wswe
36.000	15.800	11.600	bent 1
40.000	16.000	0.000	streambed
50.000	15.700	0.000	streambed
60.000	15.900	0.000	streambed
71.000	15.300	17.000	bent 2
80.000	16.100	0.000	streambed
90.000	15.500	0.000	streambed
94.600	14.100	0.000	wswe
100.000	12.900	0.000	slope
104.980	12.600	8.000	ground at cap
104.990	5.400	0.000	face of cap
105.990	5.400	0.000	cap at backwall
106.000	3.000	0.000	face of backwall
107.000	3.000	0.000	fill face

Bridge: 480166 County: IREDELL Date: 05/27/2020

STREAMBED PROFILE (Downstream)

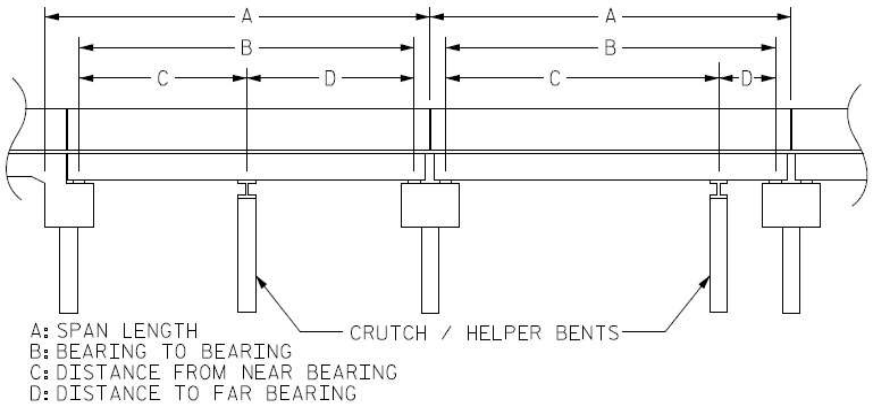
Top of Rail = 0FT (Sounding)



Structure Data Worksheet

Span Profile

County: **IREDELL** Structure Number: **480166**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	36.000	35.000			
2	35.000	34.667			
3	36.000	35.000			

typical end bearing

typical interior diaphragm

typical interior bent [bent 2 in view]

typical superstructure framing

typical rail to beam attachment

typical wingwall [Northwest in view]

typical underside of deck

typical end bent [End Bent 2 in view]

typical beam over interior bent

typical interior bearing

North profile looking South

South profile looking North

West approach looking East

West approach asphalt

right bridge rail

looking upstream [South] from bridge

East approach asphalt

East approach looking West

left bridge rail

looking downstream [North] from bridge

typical wearing surface

overhead utility across structure

typical end bearing

typical guardrail post to beam attachment

typical end bent [End Bent 2 in view]

typical asphalt over end bent [asphalt over end bent 1 in view]

typical asphalt over interior bent [asphalt over bent 1 in view]

near approach load posting

far approach load posting

typical interior bent [bent 2 in view]

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	36	Span 1 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in], lower web [full length x up to 3in - avg rem 5/16in]	
3314	Maintain Steel Superstructure Components	LF	36	Span 1 Beam 2: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 0.35in], lower web [up to 3ft x up to 6in - avg rem 5/16in]	
3314	Maintain Steel Superstructure Components	LF	8	Span 1 Beam 3: [PAR] near midspan and at far third ,two [2] areas of active corrosion with section loss; bottom flange [up to 48in x full width - avg rem 3/8in], lower web [32in x 2-1/2in - avg rem 9/32in]	
3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 4: [PAR] at near end, active corrosion with section loss; bottom flange [16in x full width - avg rem 1/2in], lower web [14in x 2in - avg rem 1/4in]	
3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 5: [PAR] at near end, active corrosion with section loss; bottom flange [20in x full width - avg rem 3/8in], lower web [18in x 4in - avg rem 1/4in]	
3314	Maintain Steel Superstructure Components	LF	3	Span 1 Beam 6: [PAR] at near end, active corrosion with section loss, South bottom flange [up to 36in x up to 4in - avg rem 3/8in], lower web [30in x up to 3in - avg rem 1/4in]	
3314	Maintain Steel Superstructure Components	LF	3	Span 1 Beam 7: [PAR] bottom flange at near end, active corrosion with section loss [up to 30in x up to full width - avg rem 3/8in, with areas down to 1/4in at edges]	
3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 8: [PAR] at near end, active corrosion with section loss; bottom flange [22in x full width - avg rem 1/4in], lower web [28in x up to 2-1/2in - avg rem 1/4in]	
3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 9: [PAR] at near end, active corrosion with section loss; bottom flange [18in x full width - avg rem 0.35in], lower web [8in x up to 8in - avg rem 1/4in]	
3314	Maintain Steel Superstructure Components	LF	28	Span 1 Beam 10: [PAR] along length of beam, multiple areas of active corrosion with section loss; bottom flange [up to 68in x 6in - avg rem 1/4in], lower web & web at rail post connections [up to 10ft x 6in - avg rem 1/4in]	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	35	Span 2 Beam 1: [PAR] along length active corrosion with section loss; top and bottom flange [up to 15ft x full width - avg rem 3/8in], bottom flange at midspan [10ft x full width - avg rem 1/4in, with edges down to 1/8in], lower web along length [up to 15ft x up to 9in - avg rem 1/4in], lower web at midspan [10ft x 4in - avg rem 3/16in], web at rail connections [up to 12in diameter - avg rem 1/4in]	
3314	Maintain Steel Superstructure Components	LF	12	Span 2 Beam 2: [PAR] at near end, active corrosion with section loss; top and bottom flange [12ft x up to full width - avg rem 3/8in], lower web [up to 50in x up to 8in - avg rem 5/16in]	
3314	Maintain Steel Superstructure Components	LF	4	Span 2 Beam 4: [PAR] near midspan, active corrosion with section loss; bottom flange [up to 42in x up to full width - avg rem 3/8in], lower web [16in x 2in - avg rem 1/4in]	
3314	Maintain Steel Superstructure Components	LF	8	Span 2 Beam 6: [PAR] at far end, active corrosion with section loss; bottom flange [up to 8ft x full width - avg rem 3/8in], lower web [12ft x up to 2in - avg rem 1/4in]	
3314	Maintain Steel Superstructure Components	LF	11	Span 2 Beam 7: [PAR] near midspan, active corrosion with section loss; bottom flange [up to 6ft x full width - avg rem 0.31in], lower web [up to 5ft x 2in - avg rem 5/16in]	
3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 8: [PAR] at 2ft from far end, active corrosion with section loss, South bottom flange [16in x 4in - avg rem 3/8in], lower web [28in x up to 2in - avg rem 1/4in]	
3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 9: [PAR] at midspan, active corrosion with section loss; bottom flange [2ft x full width - avg rem 3/8in], lower web [32in x 5in - avg rem 1/4in]	
3314	Maintain Steel Superstructure Components	LF	35	Span 2 Beam 10: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x full width - avg rem 0.34, with areas down to 1/8in], lower web & web at rail connections [up to 3ft x up to 14in - avg rem 1/4in]	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	36	Span 3 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 0.34in, edge down to 1/8in], lower and areas of upper web [16ft x up to 5in - avg rem 1/4in] , web at rail attachments [up to 12in diameter - avg rem 5/16in]	
3314	Maintain Steel Superstructure Components	LF	10	Span 3 Beam 2: [PAR] near midspan, active corrosion with section loss, bottom flange [10ft x full width - avg rem 0.35in], lower web [10ft x 4in - avg rem 5/16in]	
3314	Maintain Steel Superstructure Components	LF	5	Span 3 Beam 3: [PAR] at 15in from near end, active corrosion with section loss; bottom flange [5ft x up to full width - avg rem 3/8in], lower web [52in x 3in - avg rem 5/16in]	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 3: [PAR] at far end, active corrosion with section loss; bottom flange [23in x up to full width - avg rem 3/8in], lower web [up to 32in x up to 5in - avg rem 5/16in]	
3314	Maintain Steel Superstructure Components	LF	15	Span 3 Beam 3: [PAR] at midspan, active corrosion with section loss; bottom flange [up to 10ft x full width - avg rem 0.36in], lower web [up to 10ft x 4in - avg rem 5/16in]	
3314	Maintain Steel Superstructure Components	LF	4	Span 3 Beam 4: [PAR] at near end, active corrosion with section loss; North bottom flange [4ft x 4in - avg rem 3/8in]	
3314	Maintain Steel Superstructure Components	LF	6	Span 3 Beam 4: [PAR] near midspan, active corrosion with section loss; top flange [up to 30in x up to full width - avg rem 5/16in], bottom flange [62in x up to full width - avg rem 7/16in]	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 4: [PAR] at far end, active corrosion with section loss, bottom flange [up to 24in x full width - avg rem 3/8in, with areas down to 3/16in], lower web [22in x up to 4in - avg rem 1/4in]	
3314	Maintain Steel Superstructure Components	LF	3	Span 3 Beam 5: [PAR] at near third, active corrosion with section loss; bottom flange [36in x up to full width - avg rem 3/8in], lower web [40in x up to 3in - avg rem 1/4in]	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	4	Span 3 Beam 5: [PAR] at far end, active corrosion with section loss, bottom flange [41in x full width - avg rem 3/8in], lower web [up to 24in x up to 4in - avg rem 5/16in]	
3314	Maintain Steel Superstructure Components	LF	3	Span 3 Beam 7: [PAR] at 18in from near end, active corrosion with section loss; bottom flange [32in x up to full width - avg rem 3/8in]	
3314	Maintain Steel Superstructure Components	LF	7	Span 3 Beam 8: [PAR] at far end, active corrosion with section loss; bottom flange [up to 27in x full width - avg rem 3/8in], lower web [up to 7ft x up to 3in - avg rem 5/16in]	
3314	Maintain Steel Superstructure Components	LF	4	Span 3 Beam 9: [PAR] at near end, active corrosion with section loss; North bottom flange [41in x 4in - avg rem 3/8in]	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 9: [PAR] near midspan, active corrosion with section loss; bottom flange [24in x full width - avg rem 3/8in], lower web [20in x 2in - avg rem 1/4in]	
3314	Maintain Steel Superstructure Components	LF	12	Span 3 Beam 9: [PAR] at far end, active corrosion with section loss; bottom flange [up to 38in x up to full width - avg rem 3/8in], lower web [up to 19in x up to 5in - avg rem 5/16in]	
3314	Maintain Steel Superstructure Components	LF	36	Span 3 Beam 10: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in, with edges down to 1/16in], lower web [full length x up to 4in - avg rem 1/4in, with areas down to 3/16in], web at rail attachments [12in diameter - avg rem 1/4in]	
3334	Bridge Bearings	EA	1	Span 1 Beam 2 Beam 2 Near Bearing: [PAR] North anchor bolt missing	
3334	Bridge Bearings	EA	1	Span 1 Beam 3 Near Bearing: [PAR] North anchor bolt missing	
3334	Bridge Bearings	EA	1	Span 1 Beam 4 Near Bearing: [PAR] North anchor bolt missing	
3334	Bridge Bearings	EA	1	Span 1 Beam 6 Near Bearing: [PAR] North anchor bolt missing	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3334	Bridge Bearings	EA	1	Span 1 Beam 9 Near Bearing: [PAR] North anchor bolt nut missing, [1/8in loss] on bolt and not fully embedded	
3354	Maintain Steel Substructure Components	LF	8	Bent 1 Cap 1: [PAR] along West face at stiffeners 2-6, 9, & 10, active corrosion with section loss [up to 6in x full width - avg rem 3/8in]; along East face at stiffeners 1-5, 9 & 10, active corrosion with section loss [8in x full width - avg rem 3/8in]	
3354	Maintain Steel Substructure Components	LF	6	Bent 2 Cap 1: [PAR] along West face at stiffeners 2, 6, & 7, active corrosion with section loss [up to 6in x full width - avg rem 3/8in]; along East face at stiffeners 1, 2, & 7-9, active corrosion with section loss [8in x full width - avg rem 3/8in]	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	36 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 1 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in], lower web [full length x up to 3in - avg rem 5/16in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	36 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 1 Beam 2: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 0.35in], lower web [up to 3ft x up to 6in - avg rem 5/16in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	8 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 1 Beam 3: [PAR] near midspan and at far third ,two [2] areas of active corrosion with section loss; bottom flange [up to 48in x full width - avg rem 3/8in], lower web [32in x 2-1/2in - avg rem 9/32in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 1 Beam 4: [PAR] at near end, active corrosion with section loss; bottom flange [16in x full width - avg rem 1/2in], lower web [14in x 2in - avg rem 1/4in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 1 Beam 5: [PAR] at near end, active corrosion with section loss; bottom flange [20in x full width - avg rem 3/8in], lower web [18in x 4in - avg rem 1/4in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 1 Beam 6: [PAR] at near end, active corrosion with section loss, South bottom flange [up to 36in x up to 4in - avg rem 3/8in], lower web [30in x up to 3in - avg rem 1/4in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 1 Beam 7: [PAR] bottom flange at near end, active corrosion with section loss [up to 30in x up to full width - avg rem 3/8in, with areas down to 1/4in at edges]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 1 Beam 8: [PAR] at near end, active corrosion with section loss; bottom flange [22in x full width - avg rem 1/4in], lower web [28in x up to 2-1/2in - avg rem 1/4in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 1 Beam 9: [PAR] at near end, active corrosion with section loss; bottom flange [18in x full width - avg rem 0.35in], lower web [8in x up to 8in - avg rem 1/4in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	28 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 1 Beam 10: [PAR] along length of beam, multiple areas of active corrosion with section loss; bottom flange [up to 68in x 6in - avg rem 1/4in], lower web & web at rail post connections [up to 10ft x 6in - avg rem 1/4in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	35 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 2 Beam 1: [PAR] along length active corrosion with section loss; top and bottom flange [up to 15ft x full width - avg rem 3/8in], bottom flange at midspan [10ft x full width - avg rem 1/4in, with edges down to 1/8in], lower web along length [up to 15ft x up to 9in - avg rem 1/4in], lower web at midspan [10ft x 4in - avg rem 3/16in], web at rail connections [up to 12in diameter - avg rem 1/4in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	12 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 2 Beam 2: [PAR] at near end, active corrosion with section loss; top and bottom flange [12ft x up to full width - avg rem 3/8in], lower web [up to 50in x up to 8in - avg rem 5/16in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF

Location:
Bent/Span No.

Priority Level	Status
	Request Awaiting Assignment

Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details
Span 2 Beam 4: [PAR] near midspan, active corrosion with section loss; bottom flange [up to 42in x up to full width - avg rem 3/8in], lower web [16in x 2in - avg rem 1/4in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	8 LF

Location:
Bent/Span No.

Priority Level	Status
	Request Awaiting Assignment

Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details
Span 2 Beam 6: [PAR] at far end, active corrosion with section loss; bottom flange [up to 8ft x full width - avg rem 3/8in], lower web [12ft x up to 2in - avg rem 1/4in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	11 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 2 Beam 7: [PAR] near midspan, active corrosion with section loss; bottom flange [up to 6ft x full width - avg rem 0.31in], lower web [up to 5ft x 2in - avg rem 5/16in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 2 Beam 8: [PAR] at 2ft from far end, active corrosion with section loss, South bottom flange [16in x 4in - avg rem 3/8in], lower web [28in x up to 2in - avg rem 1/4in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 2 Beam 9: [PAR] at midspan, active corrosion with section loss; bottom flange [2ft x full width - avg rem 3/8in], lower web [32in x 5in - avg rem 1/4in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	35 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 2 Beam 10: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x full width - avg rem 0.34, with areas down to 1/8in], lower web & web at rail connections [up to 3ft x up to 14in - avg rem 1/4in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	36 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 3 Beam 1: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 0.34in, edge down to 1/8in], lower and areas of upper web [16ft x up to 5in - avg rem 1/4in] , web at rail attachments [up to 12in diameter - avg rem 5/16in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	10 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 3 Beam 2: [PAR] near midspan, active corrosion with section loss, bottom flange [10ft x full width - avg rem 0.35in], lower web [10ft x 4in - avg rem 5/16in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	5 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 3 Beam 3: [PAR] at 15in from near end, active corrosion with section loss; bottom flange [5ft x up to full width - avg rem 3/8in], lower web [52in x 3in - avg rem 5/16in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 3 Beam 3: [PAR] at far end, active corrosion with section loss; bottom flange [23in x up to full width - avg rem 3/8in], lower web [up to 32in x up to 5in - avg rem 5/16in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	15 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 3 Beam 3: [PAR] at midspan, active corrosion with section loss; bottom flange [up to 10ft x full width - avg rem 0.36in], lower web [up to 10ft x 4in - avg rem 5/16in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 3 Beam 4: [PAR] at near end, active corrosion with section loss; North bottom flange [4ft x 4in - avg rem 3/8in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	6 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 3 Beam 4: [PAR] near midspan, active corrosion with section loss; top flange [up to 30in x up to full width - avg rem 5/16in], bottom flange [62in x up to full width - avg rem 7/16in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 3 Beam 4: [PAR] at far end, active corrosion with section loss, bottom flange [up to 24in x full width - avg rem 3/8in, with areas down to 3/16in], lower web [22in x up to 4in - avg rem 1/4in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 3 Beam 5: [PAR] at near third, active corrosion with section loss; bottom flange [36in x up to full width - avg rem 3/8in], lower web [40in x up to 3in - avg rem 1/4in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 3 Beam 5: [PAR] at far end, active corrosion with section loss, bottom flange [41in x full width - avg rem 3/8in], lower web [up to 24in x up to 4in - avg rem 5/16in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 3 Beam 7: [PAR] at 18in from near end, active corrosion with section loss; bottom flange [32in x up to full width - avg rem 3/8in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	7 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 3 Beam 8: [PAR] at far end, active corrosion with section loss; bottom flange [up to 27in x full width - avg rem 3/8in], lower web [up to 7ft x up to 3in - avg rem 5/16in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF

Location:
Bent/Span No.

Priority Level	Status
	Request Awaiting Assignment

Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details
Span 3 Beam 9: [PAR] at near end, active corrosion with section loss; North bottom flange [41in x 4in - avg rem 3/8in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF

Location:
Bent/Span No.

Priority Level	Status
	Request Awaiting Assignment

Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details
Span 3 Beam 9: [PAR] near midspan, active corrosion with section loss; bottom flange [24in x full width - avg rem 3/8in], lower web [20in x 2in - avg rem 1/4in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	12 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 3 Beam 9: [PAR] at far end, active corrosion with section loss; bottom flange [up to 38in x up to full width - avg rem 3/8in], lower web [up to 19in x up to 5in - avg rem 5/16in]

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	36 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 3 Beam 10: [PAR] along length, active corrosion with section loss; top and bottom flange [full length x up to full width - avg rem 1/4in, with edges down to 1/16in], lower web [full length x up to 4in - avg rem 1/4in, with areas down to 3/16in], web at rail attachments [12in diameter - avg rem 1/4in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3334	Bridge Bearings	1 EA

Location:	
Bent/Span No.	

Priority Level	Status
	Request Awaiting Assignment

Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details
Span 1 Beam 2 Beam 2 Near Bearing: [PAR] North anchor bolt missing

MMS Code	MMS Description	Quantity
3334	Bridge Bearings	1 EA

Location:	
Bent/Span No.	

Priority Level	Status
	Request Awaiting Assignment

Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details
Span 1 Beam 3 Near Bearing: [PAR] North anchor bolt missing

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3334	Bridge Bearings	1 EA

Location:	
Bent/Span No.	

Priority Level	Status
	Request Awaiting Assignment

Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details
Span 1 Beam 4 Near Bearing: [PAR] North anchor bolt missing

MMS Code	MMS Description	Quantity
3334	Bridge Bearings	1 EA

Location:	
Bent/Span No.	

Priority Level	Status
	Request Awaiting Assignment

Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details
Span 1 Beam 6 Near Bearing: [PAR] North anchor bolt missing

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3334	Bridge Bearings	1 EA

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Span 1 Beam 9 Near Bearing: [PAR] North anchor bolt nut missing, [1/8in loss] on bolt and not fully embedded

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	8 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Bent 1 Cap 1: [PAR] along West face at stiffeners 2-6, 9, & 10, active corrosion with section loss [up to 6in x full width - avg rem 3/8in]; along East face at stiffeners 1-5, 9 & 10, active corrosion with section loss [8in x full width - avg rem 3/8in]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 480166 County IREDELL

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	6 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
05/30/2020	D. Winters, EI	

Details

Bent 2 Cap 1: [PAR] along West face at stiffeners 2, 6, & 7, active corrosion with section loss [up to 6in x full width - avg rem 3/8in]; along East face at stiffeners 1, 2, & 7-9, active corrosion with section loss [8in x full width - avg rem 3/8in]

Bridge Inspection Field Sketch

S.R. 1595

Roadway	19ft Wide	2 Paved Lanes	Looking East
Left Shoulder	6.583ft Wide*	0.583ft Paved*	6ft Unpaved
Right Shoulder	6.5ft Wide*	0.5ft Paved*	6ft Unpaved
Left Guardrail			
Right Guardrail			

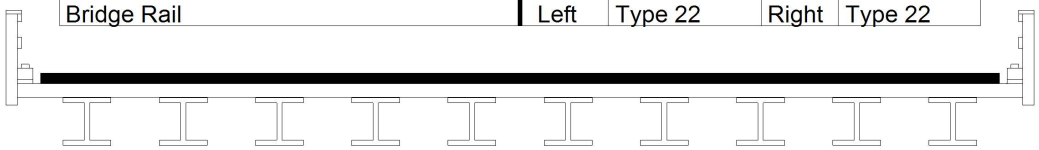
Measurements recorded 30ft West of End Bent 1

*Measurement Revised: D. Winters 05/29/2020

Title	**Description**		
Approach Roadway Sketch	Data Worksheet		
Bridge No: 480166	**Drawn By:** RAP	**Date:** 8/18/08	**File Name:** S0138001528

Bridge Inspection Field Sketch

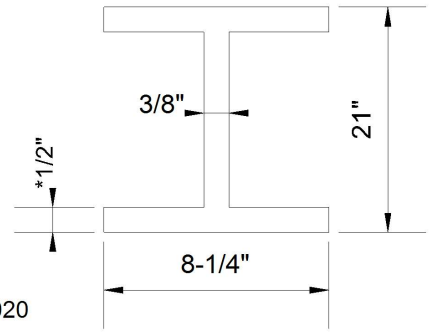
Deck Width/Out to Out	24.083ft	Between Rails				23.667ft
Clear Roadway	23.083ft	Wearing Surface				0.25ft
Median Width		Median Height				
Curb Height		Left	0.54ft	Right	0.54ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left	0.5ft	Right	0.5ft	
Top of Rail to Deck/Wearing Surface		Left	2.75ft	Right	2.75ft	
Bridge Rail		Left	Type 22	Right	Type 22	



Measurements for Span #	1	SPANS 2 AND 3 SIMILAR	
Deck Thickness	0.333ft	Left Overhang	1.167ft
Top of Rail to Bottom of Beam	5.25ft	Right Overhang	1.167ft

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	2.417ft	
2	Steel I Beam	2.417ft	
3	Steel I Beam	2.417ft	
4	Steel I Beam	2.417ft	
5	Steel I Beam	2.417ft	
6	Steel I Beam	2.417ft	
7	Steel I Beam	2.417ft	
8	Steel I Beam	2.417ft	
9	Steel I Beam	2.417ft	
10	Steel I Beam		

BEAM DIMENSIONS

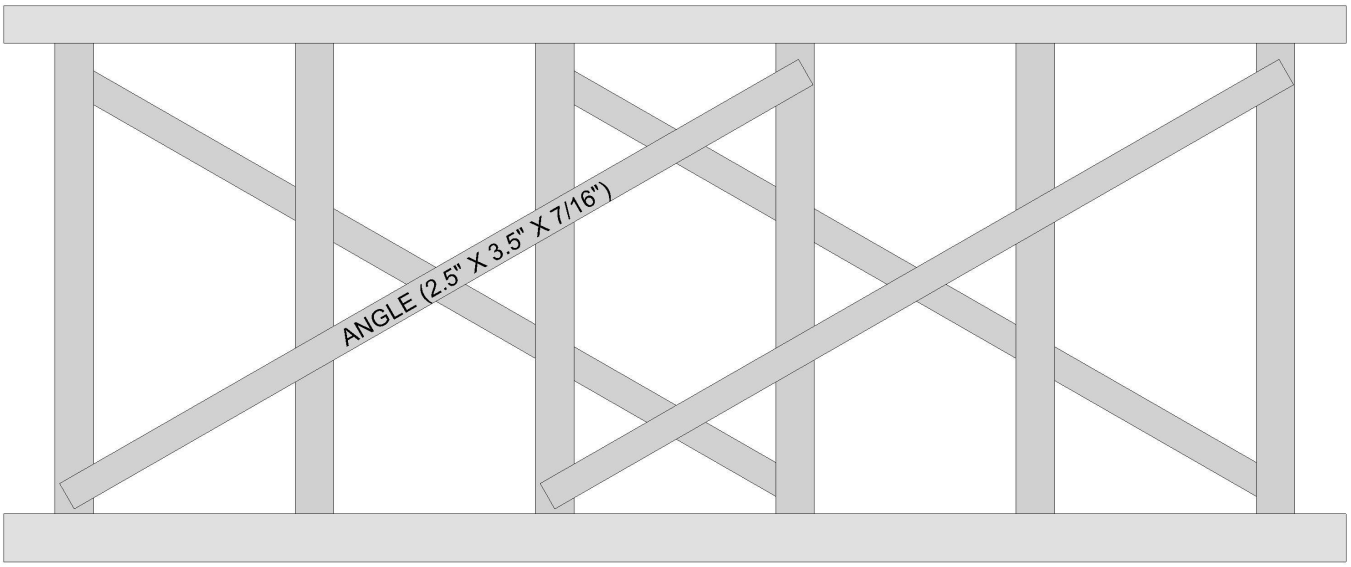


Measurements Verified: D. Winters 05/29/2020

Title	Description
Typical Section Sketch	Data Worksheet

Bridge No: 480166	Drawn By: RAP	Date: 8/18/08	File Name: S0138001529

Bridge Inspection Field Sketch



Cap Information			Material Steel			
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.
*34.917 ft.	1.000 ft.	.979 ft.	1.833 ft.	1.833 ft.	1.667 ft.	1.500 ft.

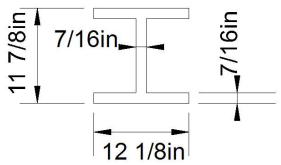
Subcap Information			Material		
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.

Sill Information			Material Cast-in-Place Concrete
Length	Width	Height	
36.667 ft.	3.000 ft.	4.500 ft.	

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Steel	6.25 ft.	1 ft.			Vertical	Yes	No	No	No
2	Steel	6.25 ft.	1 ft.			Vertical	Yes	No	No	No
3	Steel	6.25 ft.	1 ft.			Vertical	Yes	No	No	No
4	Steel	6.25 ft.	1 ft.			Vertical	Yes	No	No	No
5	Steel	6.25 ft.	1 ft.			Vertical	Yes	No	No	No
6	Steel		1 ft.			Vertical	Yes	No	No	No

Bent #: 1 Bent 2 similar

Typical Pile Detail



All Measurements Verified: D. Winters 5/27/2020

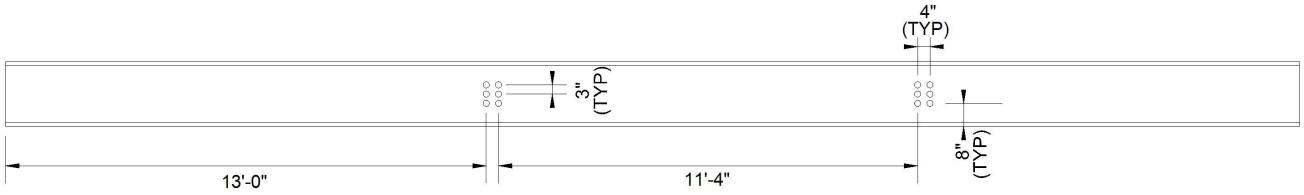
Title	Description
Typical Bent Sketch	Data Worksheet

Bridge No: 480166	Drawn By: RAP	Date: 8/18/08	File Name: S0138001533

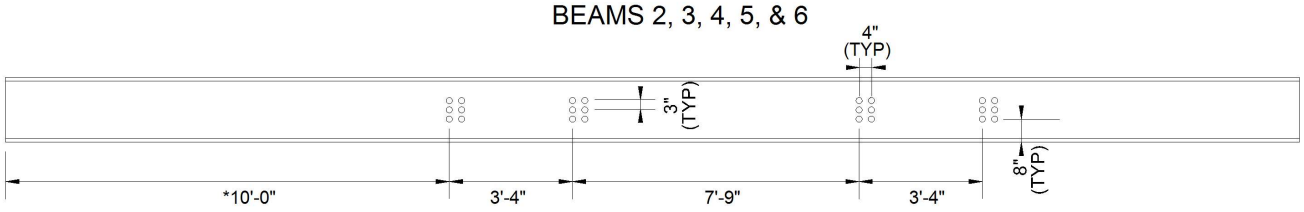
Bridge Inspection Field Sketch

SPAN 1 BEAMS

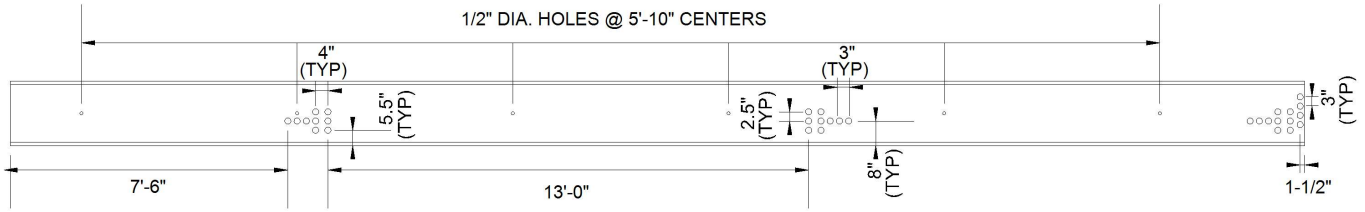
ABUTMENT 1 BEAMS 1 & 10 BENT 1



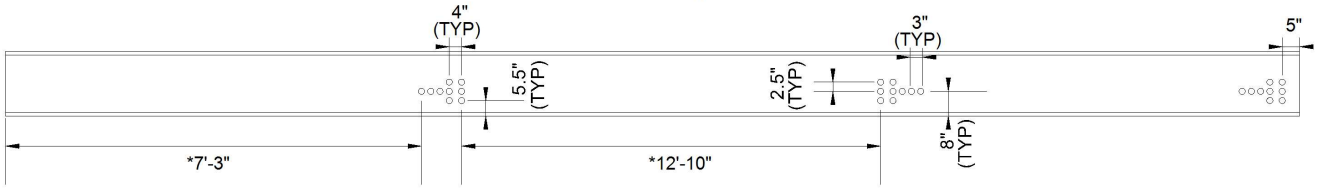
BEAMS 2, 3, 4, 5, & 6



BEAMS 7 & 8



BEAM 9



HOLES ARE 3/4" DIA.
UNLESS NOTED OTHERWISE
Measurements Verified: D. Winters 05/29/2020

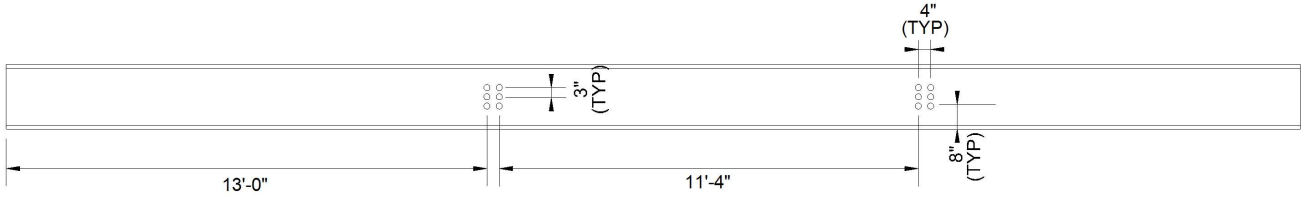
Title	Description
Salvaged Beam Sketch (1 of 3)	Data Worksheet

Bridge No: 480166	Drawn By: H. BONILLA	Date: 5/1/2018	File Name: S0138001531

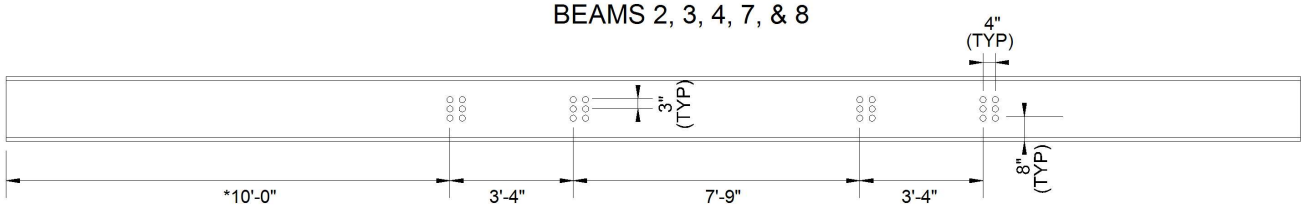
Bridge Inspection Field Sketch

SPAN 2 BEAMS

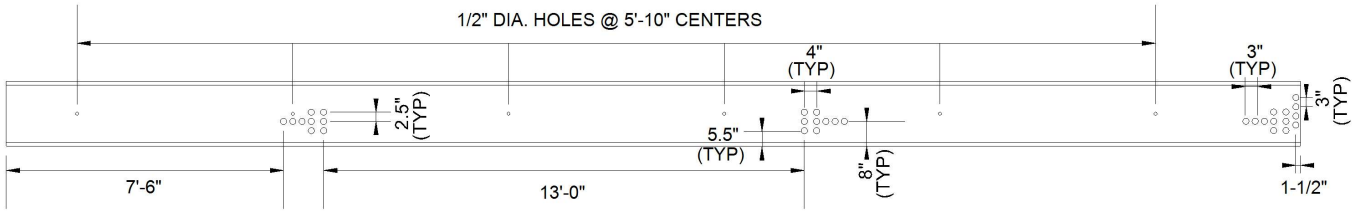
BENT 1 BEAMS 1 & 10 BENT 2



BEAMS 2, 3, 4, 7, & 8

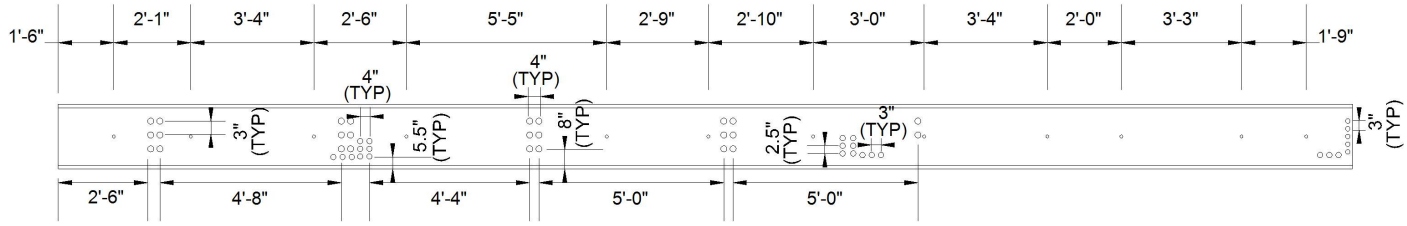


BEAM 5



NOTE: BEAM 6 IS BEAM 5 REVERSED

BEAM 9



HOLES ARE 3/4" DIA.
UNLESS NOTED OTHERWISE

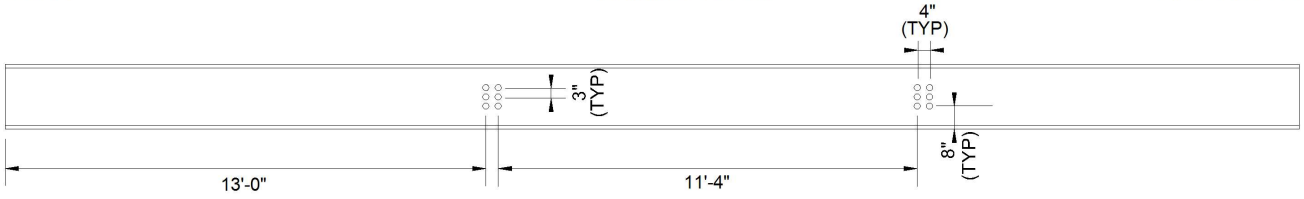
Measurements Verified: D. Winters 05/29/2020

Title	**Description**		
Salvaged Beams Sketch (2 of 3)	Data Worksheet		
Bridge No: 480166	**Drawn By:** H. BONILLA	**Date:** 5/1/2018	**File Name:** S0454000295

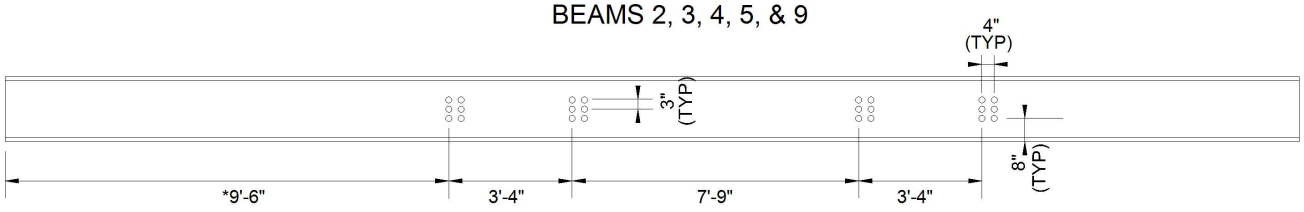
Bridge Inspection Field Sketch

SPAN 3 BEAMS

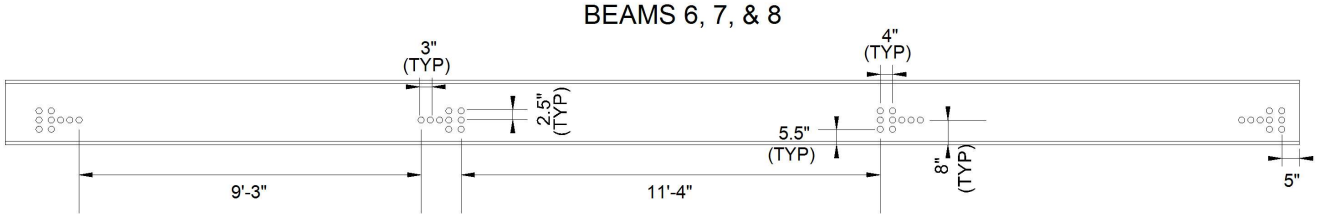
BENT 2 BEAMS 1 & 10 ABUTMENT 2



BEAMS 2, 3, 4, 5, & 9



BEAMS 6, 7, & 8



HOLES ARE 3/4" DIA.
UNLESS NOTED OTHERWISE

Measurements Verified: D. Winters 05/29/2020

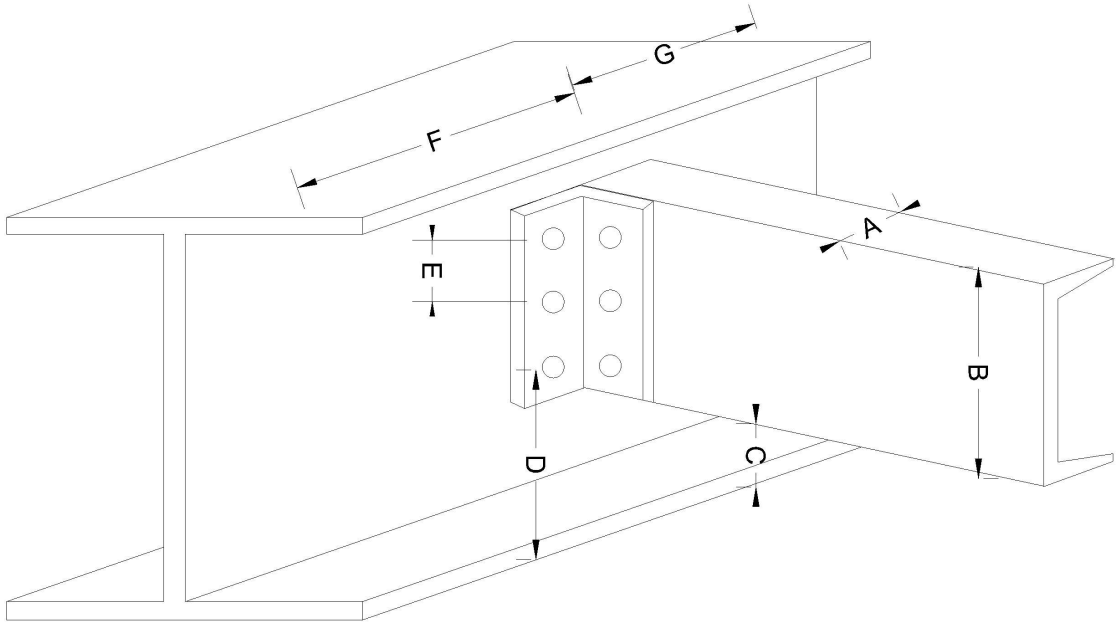
Title	**Description**
Salvaged Beams Sketch (3 of 3)	Data Worksheet

Bridge No: 480166	**Drawn By:** H. BONILLA	**Date:** 5/1/2018	**File Name:** S0454000296

Bridge Inspection Field Sketch

SPAN: ALL

LOCATION: MID - SPAN



SPAN	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F	DIM. G	BOLT SIZE
ALL	2-5/8"	10"	5-1/4"	8-1/4"	3"	17' - 6"	17' - 6"	3/4"

Title	**Description**		
Interior Diaphragm Details	Data Worksheet		
Bridge No: 480166	**Drawn By:** RAP	**Date:** 8/18/08	**File Name:** S0138001530

Bridge Inspection Field Sketch

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Title	Description
Intentionally Left Blank (1 of 2)	Blank

Bridge No: 480166	Drawn By: RAP	Date: 8/18/08	File Name: S0138001532

Bridge Inspection Field Sketch

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Title	Description

Bridge No:	Drawn By:	Date:	File Name: