



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PAR, DATA CHANGES, CHANGE IN UNDERCLEARANCE

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 04/23/2019

DIVISION: 14 COUNTY: HAYWOOD STRUCTURE NUMBER: 430236 FREQUENCY: 24 MONTHS

FACILITY CARRIED: I-40 MILE POST: 29.3

LOCATION: 1.8 MI.E.JCT.SR1660 1.8 MI.E.JCT.US74

FEATURE INTERSECTED: SR1513

LATITUDE: 35° 32' 56.11" LONGITUDE: 82° 53' 9.02"

SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE: E.BTS:RC CAPS/H-PILES;INT.BTS:RCP&BEAM/PILE FTGS.

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

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

NBI GRADES: DECK 5 SUPERSTRUCTURE 5 SUBSTRUCTURE 4 CULVERT N

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

OTHER SIGNS PRESENT: NONE



LOOKING EAST

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

DIRECTION OF INSPECTION W-E

DIRECTION MATCHES PLANS NO PLANS

INSPECTED BY
Brian K Eggerton

SIGNATURE

ASSISTED BY L. Zampetti

Structure Element Scoring

Structure Number: **430236**

Inspection Date **4/23/2019**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	10415	6369	2801	1245	0
107	0	Steel Open Girder/Beam	Beam	1440	0	1356	84	0
515	107	Steel Protective Coating	Beam	11550	9774	12	0	1764
205	0	Reinforced Concrete Column	Piles and Columns	10	5	0	5	0
215	0	Reinforced Concrete Abutment	Abutments	158	131	25	2	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	14	14	0	0	0
225	0	Steel Pile	Piles and Columns	30	30	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	328	168	7	153	0
302	0	Compression Joint Seal	Expansion Joints	332	330	0	2	0
311	0	Movable Bearing	Bearing Device	30	0	14	16	0
515	311	Steel Protective Coating	Bearing Device	30	0	0	8	22
313	0	Fixed Bearing	Bearing Device	30	0	11	19	0
515	313	Steel Protective Coating	Bearing Device	30	0	0	6	24
320	0	Prestressed Concrete Approach Slab	Approaches	2040	1020	0	1020	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	146	0	0	146	0
333	0	Other Bridge Railing	Bridge Rail	292	265	7	20	0
515	333	Steel Protective Coating	Bridge Rail	432	432	0	0	0
510	0	Wearing Surface	Wearing Surfaces	9636	4884	0	4752	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **430236**

Inspection Date: **04/23/2019**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	110 Square Feet
3326	Reinforced Concrete Deck	Cracking (RC and Other)	2482 Square Feet
3326	Reinforced Concrete Deck	Patched Areas	190 Square Feet
3314	Steel Open Girder/Beam	Corrosion	84 Feet
3348	Reinforced Concrete Column	Cracking (RC and Other)	5 Each
3348	Reinforced Concrete Column	Delamination/Spall	25 Each
3350	Reinforced Concrete Abutment	Patched Area	2 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	40 Feet
3348	Reinforced Concrete Pier Cap	Exposed Rebar	9 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	109 Feet
3310	Compression Joint Seal	Adjacent Deck or Header	2 Feet
3334	Movable Bearing	Corrosion	16 Each
3334	Fixed Bearing	Corrosion	19 Each
3353	Prestressed Concrete Approach Slab	Cracking (PSC)	1020 Square Feet
3318	Reinforced Concrete Bridge Railing	Damage	2 Feet
3318	Reinforced Concrete Bridge Railing	Cracking (RC and Other)	144 Feet
3318	Other Bridge Railing	Delamination/Spall	27 Feet
2816	Wearing Surface	Crack (Wearing Surface)	4752 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	1836 Square Feet

Element Structure Maintenance Quantities

Structure Number: **430236**

Inspection Date **04/23/2019**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	2	158	0	2	25	131
Approaches	3353	Maintenance of Concrete Bridge Approach Slabs	1020	2040	0	1020	0	1020
Beam	3314	Maintenance Steel Superstructure Components	84	1440	0	84	1356	0
Beam	3342	Clean and Paint Steel	1776	11550	1764	0	12	9774
Bearing Device	3334	Bridge Bearing	35	60	0	35	25	0
Bearing Device	3342	Clean and Paint Steel	60	60	46	14	0	0
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	173	438	0	166	7	265
Bridge Rail	3342	Clean and Paint Steel	0	432	0	0	0	432
Caps	3348	Maintenance of Concrete Substructure	158	328	0	153	7	168
Deck	3326	Maintenance of Concrete Deck	2782	10415	0	1245	2801	6369
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	2	332	0	2	0	330
Footing	3348	Maintenance of Concrete Substructure	0	14	0	0	0	14
Piles and Columns	3348	Maintenance of Concrete Substructure	30	10	0	5	0	5
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	30	0	0	0	30
Wearing Surfaces	2816	Asphalt Surface Repair	4752	9636	0	4752	0	4884

Element Condition and Maintenance Data

Structure Number: 430236

Inspection Date: 04/23/2019

Span 1

Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	2,925	1,379	588	958	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	UP TO 1/16" LONGITUDINAL, TRANSVERSE AND HORIZONTAL CRACKS WITH UP TO 36" X 24" AREAS OF DELAMINATION AND 14" X 14" X 2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM AND FACE OF LEFT OVERHANG	3	80	80	Square Feet
12	Cracking (RC and Other)	UP TO 1/8" TRANSVERSE CRACKS WITH AND WITHOUT EFFLORESCENCE IN BOTTOM OF DECK IN VARIOUS LOCATIONS	3	600	600	Square Feet
12	Delamination/Spall	12" X 6" X 1 1/2" DEEP SPALL WITH EXPOSED REBAR AND 40" X 17" AREA OF DELAMINATION IN BOTTOM OF DECK IN BAY 4, APPROXIMATELY 8' FROM END BENT 1 (SEE PHOTO)	3	6	6	Square Feet
12	Delamination/Spall	26" X 11" X 2" DEEP SPALL IN BOTTOM OF DECK TO LEFT OF BEAM 1 AT END BENT 1 (SEE PHOTO)	3	2	2	Square Feet
12	Delamination/Spall	PAR: (6) SPALLS WITH EXPOSED LONGITUDINAL AND TRANSVERSE REBAR UP TO 48" X 24" X 3" DEEP AND AREAS OF DELAMINATION UP TO 60" X 24" ALONG RIGHT OVERHANG (SEE PHOTOS)	3	80	80	Square Feet
12	Patched Areas	10' X 72" FAILED PATCH WITH UP TO 0.012" TRANSVERSE CRACKS WITH EFFLORESCENCE IN BOTTOM OF DECK IN BAY 9 NEAR MIDSPAN	3	60	60	Square Feet
12	Patched Areas	20' X 78" FAILED PATCH WITH UP TO 0.02" LONGITUDINAL AND TRANSVERSE CRACKS WITH EFFLORESCENCE IN BOTTOM OF DECK IN BAY 8, EXTENDING FROM BENT 1, CONDITION APPROXIMATELY 15' FROM BENT 1 SHOWN IN PHOTO	3	130	130	Square Feet
12	Efflorescence/Rust Staining	AREAS OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF DECK IN VARIOUS LOCATIONS, CRACKS IN BAY 2 APPROXIMATELY 17' FROM END BENT 1 SHOWN IN PHOTO	2	540		Square Feet
12	Efflorescence/Rust Staining	UP TO 0.016" TRANSVERSE CRACKS WITH EFFLORESCENCE AND FAILED SEALED CRACKS IN BOTTOM OF DECK IN BAY 1, CONDITION APPROXIMATELY 6' FROM END BENT 1 SHOWN IN PHOTO	2	48		Square 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	40	0	36	4	0	Feet
515	Steel Protective Coating	318	262	0	0	56	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PAR: CORROSION ALONG WEB AND BOTH FLANGES UP TO 45" LONG X 14" HIGH DOWN TO 1/4" RESIDUAL WEB, 42" LONG X 6" WIDE WITH NO MEASURABLE LOSS OF SECTION IN TOP FLANGE, AND 46" LONG X 6" WIDE DOWN TO 1/4" RESIDUAL BOTTOM FLANGE EXTENDING FROM END OF BEAM AT END BENT 1, CONDITION ON LEFT SIDE SHOWN IN PHOTO	3	4	4	Feet
107	Corrosion	40' OF SURFACE CORROSION ALONG LEFT SIDE OF BOTTOM FLANGE	2	36		Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG LEFT SIDE OF BOTTOM FLANGE	4	40	40	Square Feet

Structure Number: **430236**Inspection Date: **04/23/2019**

515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTH FLANGES UP TO 45" LONG X 14" HIGH IN WEB, 42" LONG X 6" WIDE IN TOP FLANGE, AND 46" LONG X 6" WIDE IN BOTTOM FLANGE EXTENDING FROM END OF BEAM AT END BENT 1	4	16	16	Square Feet
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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	40	0	39	1	0 Feet
515	Steel Protective Coating	318	274	0	0	44 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	3	1	1 Feet
107	Corrosion	40' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	39	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	4	4	4 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	40	40 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	40	0	39	1	0 Feet
515	Steel Protective Coating	318	274	0	0	44 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	3	1	1 Feet
107	Corrosion	40' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	39	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	4	4	4 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	40	40 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	40	0	39	1	0 Feet
515	Steel Protective Coating	318	274	0	0	44 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	3	1	1 Feet
107	Corrosion	40' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	39	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	4	4	4 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	40	40 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	40	0	39	1	0 Feet
515	Steel Protective Coating	318	274	0	0	44 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	3	1	1 Feet
107	Corrosion	40' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	39	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	4	4	4 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	40	40 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	40	0	39	1	0 Feet
515	Steel Protective Coating	318	274	0	0	44 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	3	1	1 Feet
107	Corrosion	40' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	39	Feet

Structure Number: **430236**Inspection Date: **04/23/2019**

515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	4	4	4	Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	40	40	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	40	0	40	0	0 Feet
515	Steel Protective Coating	318	278	0	0	40 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	40	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	40	40 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	40	0	38	2	0 Feet
515	Steel Protective Coating	318	270	0	0	48 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 24" LONG X 8" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	3	2	2 Feet
107	Corrosion	40' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	38	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 24" LONG X 8" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	4	8	8 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	40	40 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	40	0	37	3	0 Feet
515	Steel Protective Coating	318	266	0	0	52 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 22" LONG X 6" HIGH IN WEB, AND 34" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	3	3	3 Feet

Structure Number: **430236**Inspection Date: **04/23/2019**

107	Corrosion	40' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	37	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 22" LONG X 6" HIGH IN WEB, AND 34" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	4	12	12 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	40	40 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	40	0	35	5	0 Feet
515	Steel Protective Coating	318	262	0	0	56 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 16" LONG X 4" HIGH IN WEB, AND 24" LONG X 6" WIDE IN FLANGE AT END OF BEAM AT END BENT 1	3	2	2 Feet
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 36" LONG X 6" HIGH IN WEB, AND 36" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	3	3	3 Feet
107	Corrosion	40' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	35	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 16" LONG X 4" HIGH IN WEB, AND 24" LONG X 6" WIDE IN FLANGE AT END OF BEAM AT END BENT 1	4	4	4 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 36" LONG X 6" HIGH IN WEB, AND 36" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	4	12	12 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	40	40 Square Feet

General Comments**Span 1****Median Bridge Rail****Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	41	0	0	41	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	UP TO 1/16" HORIZONTAL AND MAP CRACKING THROUGHOUT BOTH FACES OF RAIL	3	39	39 Feet
331	Damage	MISSING CONNECTION PLATE ALONG RIGHT FACE OF MEDIAN RAIL AT BENT 1 JOINT (SEE PHOTO)	3	2	2 Feet

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
313	Corrosion	CORROSION THROUGHOUT BEAM 1 BEARING	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 1 BEARING	4	1	1	Square Feet	
General Comments							

Span 1**Far Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	CORROSION THROUGHOUT BEAM 1 BEARING	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 1 BEARING	4	1	1	Square Feet	
General Comments							

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
313	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 2 BEARING	2	1		Each	
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 2 BEARING	3	1	1	Square Feet	
General Comments							

Span 1**Far Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	CORROSION THROUGHOUT BEAM 2 BEARING	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 2 BEARING	4	1	1	Square Feet	

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 3 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 3 BEARING	3	1	1 Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	CORROSION THROUGHOUT BEAM 3 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 3 BEARING	4	1	1 Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 4 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 4 BEARING	3	1	1 Square Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	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
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Structure Number: **430236**Inspection Date: **04/23/2019**

311	Corrosion	CORROSION THROUGHOUT BEAM 4 BEARING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 4 BEARING	4	1	1	Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 5 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 5 BEARING	3	1	1 Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	CORROSION THROUGHOUT BEAM 5 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 5 BEARING	4	1	1 Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 6 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 6 BEARING	3	1	1 Square Feet

General Comments

Span 1**Far Bearing****Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	CORROSION THROUGHOUT BEAM 6 BEARING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 6 BEARING	4	1	1	Square Feet

General Comments

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 7 BEARING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 7 BEARING	3	1	1	Square Feet

General Comments

Span 1**Far Bearing****Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 7 BEARING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 7 BEARING.	4	1	1	Square Feet

General Comments

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 8 BEARING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 8 BEARING	4	1	1	Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	CORROSION THROUGHOUT BEAM 8 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 8 BEARING	4	1	1 Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 9 BEARING (SEE PHOTO)	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 9 BEARING	4	1	1 Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	CORROSION THROUGHOUT BEAM 9 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 9 BEARING	4	1	1 Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **430236**Inspection Date: **04/23/2019**

313	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 10 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 10 BEARING	4	1	1 Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	CORROSION THROUGHOUT BEAM 10 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 10 BARRIER RAIL	4	1	1 Square Feet

General Comments**Span 1 Wearing Surface****Concrete Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	2,706	1,386	0	1,320	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	UP TO 1/16" DIAGONAL, LONGITUDINAL AND TRANSVERSE CRACKS IN VARIOUS LOCATIONS	3	1,320	1,320 Square Feet

General Comments**Span 1 Right Bridge Rail****Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	41	34	0	7	0 Feet
515	Steel Protective Coating	60	60	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	SPALLS WITH EXPOSED REBAR UP TO 18" X 5" X 2" DEEP IN BACK FACE AND BOTTOM OF RAIL AND POSTS IN VARIOUS LOCATIONS, CONDITION APPROXIMATELY 10' FROM END BENT 1 JOINT SHOWN IN PHOTO	3	7	7 Feet

General Comments**Span 2 Deck****Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	3,852	2,868	897	87	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Cracking (RC and Other)	UP TO 24" X 22" AREAS OF DELAMINATION WITH UP TO 1/4" LONGITUDINAL, TRANSVERSE AND HORIZONTAL	3	22	22 Square Feet

		CRACKS IN BOTTOM AND FACE OF LEFT OVERHANG IN VARIOUS LOCATIONS				
12	Cracking (RC and Other)	UP TO 34" X 22" AREAS OF DELAMINATION WITH UP TO 1/4" LONGITUDINAL, TRANSVERSE AND HORIZONTAL CRACKS IN BOTTOM AND FACE OF RIGHT OVERHANG IN VARIOUS LOCATIONS	3	60	60	Square Feet
12	Delamination/Spall	PAR: 26" X 24" X 2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF LEFT OVERHANG, APPROXIMATELY 6' FROM BENT 1 (SEE PHOTO)	3	5	5	Square Feet
12	Cracking (RC and Other)	AREAS OF HAIRLINE MAP CRACKING WITH AND WITHOUT EFFLORESCENCE IN BOTTOM OF DECK IN VARIOUS LOCATIONS	2	480	480	Square Feet
12	Cracking (RC and Other)	UP TO 0.02" LONGITUDINAL AND TRANSVERSE CRACKS WITH AND WITHOUT EFFLORESCENCE IN BOTTOM OF DECK IN VARIOUS LOCATIONS	2	400	400	Square Feet
12	Delamination/Spall	PAR: (4) AREAS OF DELAMINATION UP TO 24" X 24" IN BOTTOM OF LEFT OVERHANG ABOVE ROADWAY (SEE PHOTO)	2	7	7	Square Feet
12	Delamination/Spall	PAR: FAILED REPAIR AND (2) AREAS OF DELAMINATION UP TO 36" X 22" IN BOTTOM OF RIGHT OVERHANG ABOVE ROADWAY (SEE PHOTO)	2	10	10	Square Feet

General Comments**Span 2****Beam 1****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	54	0	38	16	0 Feet
515	Steel Protective Coating	438	320	0	0	118 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 16' LONG X 14" HIGH IN WEB, AND 16' LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2, CONDITION ON LEFT SIDE SHOWN IN PHOTO	3	16	16 Feet
107	Corrosion	54' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	38	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 16' LONG X 14" HIGH IN WEB, AND 16' LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	4	64	64 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	54	54 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	54	0	52	2	0 Feet
515	Steel Protective Coating	438	376	0	0	62 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 21" LONG X 3" HIGH IN WEB, AND 24" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	3	2	2 Feet
107	Corrosion	54' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	52	Feet

Structure Number: **430236**Inspection Date: **04/23/2019**

515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 21" LONG X 3" HIGH IN WEB, AND 24" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	4	8	8	Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	54	54	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	54	0	52	2	0 Feet
515	Steel Protective Coating	438	376	0	0	62 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 19" LONG X 3" HIGH IN WEB, AND 24" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	3	2	2 Feet
107	Corrosion	54' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	52	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 19" LONG X 3" HIGH IN WEB, AND 24" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	4	8	8 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	54	54 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	54	0	54	0	0 Feet
515	Steel Protective Coating	438	384	0	0	54 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	54	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	54	54 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	54	0	53	1	0 Feet
515	Steel Protective Coating	438	380	0	0	58 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	3	1	1 Feet

Structure Number: **430236**Inspection Date: **04/23/2019**

107	Corrosion	54' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	53	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	4	4	4 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	54	54 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	54	0	54	0	0 Feet
515	Steel Protective Coating	438	384	0	0	54 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	54	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	54	54 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	54	0	54	0	0 Feet
515	Steel Protective Coating	438	384	0	0	54 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	54	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	54	54 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	54	0	50	4	0 Feet
515	Steel Protective Coating	438	368	0	0	70 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 24" LONG X 6" HIGH IN WEB, AND 24" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	3	2	2 Feet
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 24" LONG X 8" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	3	2	2 Feet
107	Corrosion	54' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	50	Feet

Structure Number: **430236**Inspection Date: **04/23/2019**

515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 24" LONG X 6" HIGH IN WEB, AND 24" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	4	8	8 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 24" LONG X 8" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	4	8	8 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	54	54 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	54	0	49	5	0 Feet
515	Steel Protective Coating	438	364	0	0	74 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 10" LONG X 6" HIGH IN WEB AND 13" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	3	2	2 Feet
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 19" LONG X 6" HIGH IN WEB, AND 36" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	3	3	3 Feet
107	Corrosion	54' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	49	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 10" LONG X 6" HIGH IN WEB AND 13" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	4	12	12 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	54	54 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ON BOTH FACES OF WEB AND BOTTOM FLANGE UP TO 10" LONG BY 6" HIGH IN WEB AND 13" LONG BY 11-1/2" WIDE ALONG BOTTOM FLANGE AT BENT 2	4	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	54	0	49	5	0 Feet
515	Steel Protective Coating	438	364	0	0	74 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 10" LONG X 7" HIGH IN WEB AND 14" LONG X 11 1/2" WIDE IN BOTTOM FLANGE EXTENDING FROM END OF BEAM AT BENT 2	3	2	2 Feet
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 36" LONG X 8" HIGH IN WEB, AND 36" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	3	3	3 Feet
107	Corrosion	54' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	49	Feet

Structure Number: **430236**Inspection Date: **04/23/2019**

515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 10" LONG X 7" HIGH IN WEB AND 14" LONG X 11 1/2" WIDE IN BOTTOM FLANGE EXTENDING FROM END OF BEAM AT BENT 2	4	8	8	Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 36" LONG X 8" HIGH IN WEB, AND 36" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 1	4	12	12	Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	54	54	Square Feet

General Comments**Span 2 Median Bridge Rail****Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	54	0	0	54	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	UP TO 1/16" HORIZONTAL AND MAP CRACKING THROUGHOUT BOTH FACES OF RAIL	3	54	54 Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	CORROSION THROUGHOUT BEAM 1 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 1 BEARING	4	1	1 Square Feet

General Comments**Span 2 Far Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	CORROSION THROUGHOUT BEAM 1 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 1 BEARING	4	1	1 Square Feet

General Comments

Span 2 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	CORROSION THROUGHOUT BEAM 2 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 2 BEARING	4	1	1 Square Feet
General Comments					

Span 2 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	CORROSION THROUGHOUT BEAM 2 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 2 BEARING	4	1	1 Square Feet
General Comments					

Span 2 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	CORROSION THROUGHOUT BEAM 3 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 3 BEARING	4	1	1 Square Feet
General Comments					

Span 2 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	CORROSION THROUGHOUT BEAM 3 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 3 BEARING	4	1	1 Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	CORROSION THROUGHOUT BEAM 4 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 4 BEARING	4	1	1 Square Feet

General Comments**Span 2 Far Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	CORROSION THROUGHOUT BEAM 4 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 4 BEARING	4	1	1 Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 5 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 5 BEARING	4	1	1 Square Feet

General Comments**Span 2 Far Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **430236**Inspection Date: **04/23/2019**

313	Corrosion	CORROSION THROUGHOUT BEAM 5 BEARING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 5 BEARING	4	1	1	Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 6 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 6 BEARING	4	1	1 Square Feet

General Comments**Span 2 Far Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 6 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 6 BEARING	4	1	1 Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 7 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 7 BEARING	4	1	1 Square Feet

General Comments

Span 2 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	CORROSION THROUGHOUT BEAM 7 BEARING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 7 BEARING	4	1	1	Square Feet

General Comments

Span 2 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	CORROSION THROUGHOUT BEAM 8 BEARING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 8 BEARING	4	1	1	Square Feet

General Comments

Span 2 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	CORROSION THROUGHOUT BEAM 8 BEARING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 8 BEARING	4	1	1	Square Feet

General Comments

Span 2 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	CORROSION THROUGHOUT BEAM 9 BEARING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 9 BEARING	4	1	1	Square Feet

General Comments**Span 2 Far Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	CORROSION THROUGHOUT BEAM 9 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 9 BEARING	4	1	1 Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	CORROSION THROUGHOUT BEAM 10 BEARING	3	1	1 Each
311	Loss of Bearing Area	LESS THAN 1% LOSS OF BEARING AREA BENEATH BEAM 10 BEARING (SEE PHOTO)	2		Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 10 BEARING	4	1	1 Square Feet

General Comments**Span 2 Far Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	CORROSION THROUGHOUT BEAM 10 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 10 BEARING	4	1	1 Square Feet

General Comments**Span 2 Wearing Surface****Concrete Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	3,564	1,782	0	1,782	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **430236**Inspection Date: **04/23/2019**

510 Crack (Wearing Surface) UP TO 1/16" DIAGONAL, LONGITUDINAL AND TRANSVERSE CRACKS IN VARIOUS LOCATIONS 3 1,782 1,782 Square Feet

General Comments**Span 2 Left Bridge Rail****Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	54	51	3	0	0 Feet
515	Steel Protective Coating	81	81	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	SPALLS WITH EXPOSED REBAR UP TO 6" X 3" X 1" DEEP IN BACK FACE OF RAIL POSTS IN VARIOUS LOCATIONS	2	3	3 Feet

General Comments**Span 2 Right Bridge Rail****Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	54	46	0	8	0 Feet
515	Steel Protective Coating	81	81	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	SPALLS WITH EXPOSED REBAR UP TO 17" X 4" X 4" DEEP IN BACK FACE AND BOTTOM OF RAIL AND POSTS IN VARIOUS LOCATIONS, CONDITION NEAR MIDSPAN SHOWN IN PHOTO	3	8	8 Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	3,638	2,122	1,316	200	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Cracking (RC and Other)	UP TO 26" X 23" AREAS OF DELAMINATION WITH UP TO 1/4" LONGITUDINAL, TRANSVERSE AND HORIZONTAL CRACKS THROUGHOUT BOTTOM AND FACE OF LEFT OVERHANG	3	100	100 Square Feet
12	Cracking (RC and Other)	UP TO 26" X 23" AREAS OF DELAMINATION WITH UP TO 1/4" LONGITUDINAL, TRANSVERSE AND HORIZONTAL CRACKS THROUGHOUT BOTTOM AND FACE OF RIGHT OVERHANG	3	100	100 Square Feet
12	Cracking (RC and Other)	UP TO 0.02" LONGITUDINAL AND TRANSVERSE CRACKS WITH AND WITHOUT EFFLORESCENCE IN BOTTOM OF DECK IN VARIOUS LOCATIONS	2	640	640 Square Feet
12	Efflorescence/Rust Staining	HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF DECK IN BAY 8 FROM BENT 2 TO MIDSPAN	2	120	Square Feet
12	Efflorescence/Rust Staining	UP TO 0.012" LONGITUDINAL AND TRANSVERSE CRACKS WITH AND WITHOUT EFFLORESCENCE IN BOTTOM OF DECK THROUGHOUT BAY 5	2	150	Square Feet
12	Efflorescence/Rust Staining	UP TO 0.012" MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF DECK THROUGHOUT BAYS 1 AND 2	2	320	Square Feet
12	Patched Areas	(2) REPAIRS UP TO 60" X 48" IN BOTTOM OF DECK IN BAYS 1 AND 2 NEAR BENT 2	2	32	Square Feet

Structure Number: **430236**Inspection Date: **04/23/2019**

12	Patched Areas	(3) PATCHES UP TO 64" X 48" IN BOTTOM OF DECK IN BAYS 8 AND 9 NEAR END BENT 2, PATCH IN BAY 9 SHOWN IN PHOTO	2	50	Square Feet
12	Patched Areas	24" X 24" REPAIR IN BOTTOM OF DECK IN BAY 8 NEAR BENT 2	2	4	Square 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	50	0	42	8	0 Feet
515	Steel Protective Coating	399	317	0	0	82 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 8' LONG X 12" HIGH IN WEB, AND 8' LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	3	8	8 Feet
107	Corrosion	50' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	42	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 8' LONG X 12" HIGH IN WEB, AND 8' LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	4	32	32 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	50	50 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	50	0	48	2	0 Feet
515	Steel Protective Coating	399	341	0	0	58 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 10" LONG X 8" HIGH IN WEB, AND 24" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	3	2	2 Feet
107	Corrosion	50' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	48	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 10" LONG X 8" HIGH IN WEB, AND 24" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	4	8	8 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	50	50 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	50	0	49	1	0 Feet
515	Steel Protective Coating	399	345	0	0	54 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	3	1	1 Feet
107	Corrosion	50' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	49	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	4	4	4 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	50	50 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	50	0	49	1	0 Feet
515	Steel Protective Coating	399	345	0	0	54 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	3	1	1 Feet
107	Corrosion	50' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	49	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	4	4	4 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	50	50 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	50	0	49	1	0 Feet
515	Steel Protective Coating	399	345	0	0	54 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	3	1	1 Feet
107	Corrosion	50' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	49	Feet

Structure Number: **430236**Inspection Date: **04/23/2019**

515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 12" LONG X 6" HIGH IN WEB, AND 12" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	4	4	4	Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	50	50	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	50	0	50	0	0 Feet
515	Steel Protective Coating	399	349	0	0	50 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	50		Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	50	50	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	50	0	47	3	0 Feet
515	Steel Protective Coating	399	337	0	0	62 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 16" LONG X 6" HIGH IN WEB, AND 32" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	3	3	3	Feet
107	Corrosion	50' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	47		Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 16" LONG X 6" HIGH IN WEB, AND 32" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	4	12	12	Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	50	50	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	50	0	48	2	0 Feet
515	Steel Protective Coating	399	337	0	0	62 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 16" LONG X 6" HIGH IN WEB, AND 24" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	3	2	2	Feet

Structure Number: **430236**Inspection Date: **04/23/2019**

107	Corrosion	50' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	48	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 16" LONG X 6" HIGH IN WEB, AND 24" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	4	8	8 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	54	54 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	50	0	47	3	0 Feet
515	Steel Protective Coating	399	337	12	0	50 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 30" LONG X 7" HIGH IN WEB AND 34" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	3	3	3 Feet
107	Corrosion	50' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	47	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	50	50 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 30" LONG X 7" HIGH IN WEB AND 34" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	2	12	12 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	50	0	41	9	0 Feet
515	Steel Protective Coating	399	313	0	0	86 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 24" LONG X 7" HIGH IN WEB AND 34" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	3	3	3 Feet
107	Corrosion	CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 72" LONG X 4" HIGH IN WEB, AND 70" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT END BENT 2	3	6	6 Feet
107	Corrosion	50' OF SURFACE CORROSION ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	2	41	Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 24" LONG X 7" HIGH IN WEB AND 34" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2	4	12	12 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND BOTTOM FLANGE UP TO 72" LONG X 4" HIGH IN WEB, AND 70" LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT END BENT 2	4	24	24 Square Feet
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM ALONG WEB AND EDGES OF FLANGES IN VARIOUS LOCATIONS	4	50	50 Square Feet

General Comments

Span 3 Median Bridge Rail**Concrete Railing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	UP TO 1/16" HORIZONTAL AND MAP CRACKING THROUGHOUT BOTH FACES OF RAIL, CRACKS IN RIGHT FACE NEAR MIDSPAN SHOWN IN PHOTO	3	51	51 Feet

General Comments**Span 3 Near Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	CORROSION THROUGHOUT BEAM 1 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 1 BEARING	4	1	1 Square Feet

General Comments**Span 3 Far Bearing****Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 1 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 1 BEARING	4	1	1 Square Feet

General Comments**Span 3 Near Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	CORROSION THROUGHOUT BEAM 2 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 2 BEARING	4	1	1 Square Feet

General Comments**Span 3 Far Bearing****Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 2 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 2 BEARING	3	1	1 Square Feet

General Comments**Span 3 Near Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	CORROSION THROUGHOUT BEAM 3 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 3 BEARING	4	1	1 Square Feet

General Comments**Span 3 Far Bearing****Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 3 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 3 BEARING	3	1	1 Square Feet

General Comments**Span 3 Near Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **430236**Inspection Date: **04/23/2019**

313	Corrosion	CORROSION THROUGHOUT BEAM 4 BEARING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 4 BEARING	4	1	1	Square Feet

General Comments**Span 3 Far Bearing****Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 4 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 4 BEARING	3	1	1 Square Feet

General Comments**Span 3 Near Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	CORROSION THROUGHOUT BEAM 5 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 5 BEARING	4	1	1 Square Feet

General Comments**Span 3 Far Bearing****Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 5 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 5 BEARING	3	1	1 Square Feet

General Comments

Span 3 Near Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 6 BEARING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 6 BEARING	4	1	1	Square Feet
General Comments						

Span 3 Far Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 6 BEARING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 6 BEARING	3	1	1	Square Feet
General Comments						

Span 3 Near Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	CORROSION THROUGHOUT BEAM 7 BEARING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 7 BEARING	4	1	1	Square Feet
General Comments						

Span 3 Far Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 7 BEARING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 7 BEARING	3	1	1	Square Feet

General Comments**Span 3 Near Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	CORROSION THROUGHOUT BEAM 8 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 8 BEARING	4	1	1 Square Feet

General Comments**Span 3 Far Bearing****Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 8 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 8 BEARING	3	1	1 Square Feet

General Comments**Span 3 Near Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	CORROSION THROUGHOUT BEAM 9 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 9 BEARING	4	1	1 Square Feet

General Comments**Span 3 Far Bearing****Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **430236**Inspection Date: **04/23/2019**

311	Corrosion	SURFACE CORROSION THROUGHOUT BEAM 9 BEARING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 9 BEARING	3	1	1 Square Feet

General Comments**Span 3 Near Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	CORROSION THROUGHOUT BEAM 10 BEARING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 10 BEARING	4	1	1 Square Feet

General Comments**Span 3 Far Bearing****Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	CORROSION THROUGHOUT BEAM 10 BEARING (SEE PHOTO)	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	DETERIORATED PAINT SYSTEM THROUGHOUT BEAM 10 BEARING	4	1	1 Square Feet

General Comments**Span 3 Expansion Joint 3****Compression Seal**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
302	Compression Joint Seal	83	81	0	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
302	Adjacent Deck or Header	14" X 6" AREA OF CRACKED AND BROKEN DECK HEADER ALONG BENT 2 JOINT ALONG CENTERLINE OF EASTBOUND LANES (SEE PHOTO)	3	2	2 Feet

General Comments**Span 3 Wearing Surface****Concrete Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	3,366	1,716	0	1,650	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **430236**Inspection Date: **04/23/2019**

510	Crack (Wearing Surface)	UP TO 1/16" DIAGONAL, LONGITUDINAL AND TRANSVERSE CRACKS IN VARIOUS LOCATIONS, CRACKS IN INSIDE EASTBOUND LANE AT BENT 3 JOINT SHOWN IN PHOTO	3	1,650	1,650	Square Feet
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General Comments**Span 3 Left Bridge Rail****Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	51	47	4	0	0 Feet
515	Steel Protective Coating	75	75	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	SPALLS WITH EXPOSED REBAR UP TO 3" X 3" X 1" DEEP IN BACK FACE OF RAIL POSTS IN VARIOUS LOCATIONS	2	4	4 Feet

General Comments**Span 3 Right Bridge Rail****Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	51	46	0	5	0 Feet
515	Steel Protective Coating	75	75	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	SPALLS WITH EXPOSED REBAR UP TO 17" X 5" X 4" DEEP IN BACK FACE AND BOTTOM OF RAIL AND POSTS IN VARIOUS LOCATIONS	3	5	5 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	79	52	25	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
215	Patched Area	FAILED PATCH WITH UP TO 34" X 21" AREA OF DELAMINATION IN FACE OF CURTAIN WALL TO RIGHT OF BEAM 8 (SEE PHOTO)	3	2	2 Feet
215	Patched Area	UP TO 32" X 16" PATCHES IN FACE OF CURTAIN WALL IN VARIOUS LOCATIONS, CONDITION IN BAY 6 SHOWN IN PHOTO	2	25	Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	85	57	0	28	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **430236**Inspection Date: **04/23/2019**

234	Cracking (RC and Other)	72" X 11" X 8" AREA OF DELAMINATION WITH UP TO 3/16" TRANSVERSE AND VERTICAL CRACKS WITH AND WITHOUT EFFLORESCENCE IN TOP AND FACE OF CAP BENEATH BAYS 8 AND 9	3	15	15 Feet
234	Cracking (RC and Other)	UP TO 1/4" TRANSVERSE AND VERTICAL CRACKS WITH AND WITHOUT EFFLORESCENCE IN FACE OF CAP BENEATH BAY 1 (SEE PHOTO)	3	6	6 Feet
234	Cracking (RC and Other)	UP TO 3/16" TRANSVERSE AND VERTICAL CRACKS IN FACE OF CAP BENEATH BAY 4	3	7	7 Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	79	28	0	51	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	(2) SPALLS WITH EXPOSED REBAR UP TO 7" X 3" X 1" DEEP WITH 32" X 32" AREA OF DELAMINATION AND UP TO 1/8" MAP CRACKING IN SPAN 1 FACE OF CAP AT LEFT END (SEE PHOTO)	3	1	3 Feet
234	Cracking (RC and Other)	42" X 36" AREA OF DELAMINATION IN SPAN 1 FACE OF CAP WITH UP TO 1/16" HORIZONTAL CRACKS WITH AND WITHOUT EFFLORESCENCE IN BOTH FACES BENEATH BEAM 7 AND BAY 7	3	10	10 Feet
234	Cracking (RC and Other)	58" X 6" X 4" AREA OF DELAMINATION WITH UP TO 1/8" LONGITUDINAL AND HORIZONTAL CRACKS IN TOP AND SPAN 2 FACE OF CAP BENEATH BAY 4	3	5	5 Feet
234	Cracking (RC and Other)	PAR: UP TO 8' X 30" X 3" DEEP SPALLS WITH EXPOSED REBAR, 13' X 6" AREAS OF DELAMINATION AND UP TO 1/2" DIAGONAL AND HORIZONTAL CRACKS IN BOTTOM AND BOTH FACES OF CAP BENEATH BAY 2 (SEE PHOTOS)	3	13	13 Feet
234	Cracking (RC and Other)	UP TO 1/16" DIAGONAL AND HORIZONTAL CRACKS IN SPAN 2 FACE OF CAP AT LEFT END (SEE PHOTO)	3	2	2 Feet
234	Delamination/Spall	PAR: UP TO 64" X 42" X 3" DEEP SPALLS WITH EXPOSED REBAR, 16' X 24" AREAS OF DELAMINATION AND UP TO 1 1/2" LONGITUDINAL, TRANSVERSE, DIAGONAL AND HORIZONTAL CRACKS IN TOP, BOTTOM, RIGHT END AND BOTH FACES OF CAP FROM BENEATH BEAM 8 TO RIGHT END (SEE PHOTOS)	3	20	20 Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	PAR: 65" X 12" X 3" SPALL WITH EXPOSED REBAR IN NORTHWEST CORNER OF COLUMN, BEGINNING APPROXIMATELY 2' FROM GROUND LINE (SEE PHOTO)	3	1	6 Each

General Comments

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Cracking (RC and Other)	52" X 8" AREA OF DELAMINATION WITH UP TO 1/4" VERTICAL CRACKS IN SPAN 1 FACE OF COLUMN EXTENDING FROM BOTTOM OF CAP (SEE PHOTO)	3		Each
205	Cracking (RC and Other)	UP TO 1/8" VERTICAL CRACKS IN ALL FACES OF COLUMN EXTENDING FROM BOTTOM OF CAP	3		Each
205	Delamination/Spall	PAR: 96" X 8" X 7" SPALL WITH EXPOSED REBAR IN SOUTHEAST CORNER OF COLUMN EXTENDING FROM BOTTOM OF CAP (SEE PHOTO)	3	1	8 Each

General Comments

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	PAR: (3) SPALLS WITH EXPOSED REBAR UP TO 60" X 10" X 10" IN NORTHWEST CORNER, SOUTHWEST CORNER AND RIGHT FACE OF COLUMN EXTENDING FROM BOTTOM OF CAP (SEE PHOTO)	3	1	5 Each

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	79	25	3	51	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	10' X 24" AREA OF DELAMINATION WITH UP TO 1/16" TRANSVERSE AND LONGITUDINAL CRACKS IN BOTTOM AND BOTH FACES OF CAP BETWEEN COLUMNS 1 AND 2	3	10	10 Feet
234	Cracking (RC and Other)	44" X 8" AREA OF DELAMINATION WITH UP TO 1/16" HORIZONTAL CRACKS IN SPAN 2 FACE OF CAP BENEATH BEAM 1 (SEE PHOTO)	3	4	4 Feet
234	Cracking (RC and Other)	UP TO 1/16" HORIZONTAL AND VERTICAL CRACKS IN LEFT AND SPAN 2 FACES OF CAP AT LEFT END	3	2	2 Feet
234	Cracking (RC and Other)	UP TO 15' X 24" AREAS OF DELAMINATION WITH UP TO 1/16" TRANSVERSE AND LONGITUDINAL CRACKS IN BOTTOM AND BOTH FACES OF CAP BETWEEN COLUMNS 2 AND 3	3	15	15 Feet
234	Delamination/Spall	PAR: 125" X 30" X 30" AREA OF DELAMINATION WITH UP TO 1/2" LONGITUDINAL AND HORIZONTAL CRACKS AND 7' X 26" X 4" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM AND BOTH FACES OF CAP TO RIGHT OF COLUMN 4 (SEE PHOTO)	3	11	11 Feet
234	Exposed Rebar	PAR: 103" X 33" X 30" AREA OF DELAMINATION WITH UP TO 1/2" VERTICAL AND HORIZONTAL CRACKS AND 33" X 30" X 5" DEEP SPALL WITH EXPOSED REBAR THROUGHOUT CAP EXTERIOR FROM RIGHT END TO BENEATH BAY 9 (SEE PHOTOS)	3	9	9 Feet

Structure Number: **430236**Inspection Date: **04/23/2019**

234 Delamination/Spall (3) AREAS OF DELAMINATION UP TO 12" DIAMETER IN BOTTOM OF CAP BETWEEN COLUMNS 3 AND 4 2 3 3 Feet

General Comments**Bent 2****Pile 1****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Cracking (RC and Other)	54" X 7" X 4" AREA OF DELAMINATION WITH UP TO 1/8" VERTICAL CRACK IN NORTHWEST CORNER OC COLUMN EXTENDING FROM BOTTOM OF CAP	3	1	5 Each

General Comments**Bent 2****Pile 5****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Cracking (RC and Other)	44" X 5" X 4" AREA OF DELAMINATION WITH UP TO 1/8" VERTICAL CRACKS IN SOUTHWEST CORNER OF COLUMN EXTENDING FROM BOTTOM OF CAP	3		Each
205	Delamination/Spall	PAR: 66" X 13" X 6" SPALL WITH EXPOSED REBAR IN SOUTHEAST CORNER OF COLUMN EXTENDING FROM BOTTOM OF CAP (SEE PHOTO)	3	1	6 Each

General Comments**End Bent 2****Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	85	58	4	23	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	48" X 15" AREA OF DELAMINATION WITH UP TO 1/16" TRANSVERSE AND HORIZONTAL CRACKS AND HAIRLINE MAP CRACKING IN TOP AND FACE OF CAP BENEATH BAY 1	3	6	6 Feet
234	Cracking (RC and Other)	96" X 5" X 4" AREA OF DELAMINATION WITH UP TO 1/16" HORIZONTAL CRACK IN TOP AND FACE OF CAP BENEATH BAY 7 AND BEAM 8	3	8	8 Feet
234	Cracking (RC and Other)	UP TO 1/16" HORIZONTAL CRACK IN FACE OF CAP BENEATH BEAM 9	3	3	3 Feet
234	Delamination/Spall	PAR: 60" X 15" X 3" SPALL WITH EXPOSED REBAR IN TOP AND FACE OF CAP BENEATH BAY 6 (SEE PHOTO)	3	6	6 Feet
234	Cracking (RC and Other)	UP TO 0.025" VERTICAL CRACKS IN FACE OF CAP IN VARIOUS LOCATIONS	2	4	Feet

General Comments

Approach 1**Approach 1****Prestressed Concrete Approach Slab**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
320	Prestressed Concrete Approach Slab	1,020	510	0	510	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
320	Cracking (PSC)	UP TO 1/16" DIAGONAL, LONGITUDINAL AND TRANSVERSE CRACKS IN TOP OF SLAB IN VARIOUS LOCATIONS	3	510	510	Square Feet

General Comments

Approach 2**Approach 2****Prestressed Concrete Approach Slab**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
320	Prestressed Concrete Approach Slab	1,020	510	0	510	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
320	Cracking (PSC)	UP TO 1/16" DIAGONAL, LONGITUDINAL AND TRANSVERSE CRACKS IN TOP OF SLAB IN VARIOUS LOCATIONS	3	510	510	Square Feet

General Comments

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2925
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	40
Span 1	Beam 10	Plate Girder	Steel Open Girder/Beam	40
Span 1	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	41
Span 1	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	41
Span 1	Median Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	41
Span 1	Expansion Joint 1	Compression Seal	Compression Joint Seal	83
Span 1	Wearing Surface	Concrete Wearing Surface	Wearing Surface	2706
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3852
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	54
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	54
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	54
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	54
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	54
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	54
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	54
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	54

Elements Verified

Location	Name	Component	Element Name	Amount
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	54
Span 2	Beam 10	Plate Girder	Steel Open Girder/Beam	54
Span 2	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	54
Span 2	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	54
Span 2	Median Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	54
Span 2	Expansion Joint 2	Compression Seal	Compression Joint Seal	83
Span 2	Wearing Surface	Concrete Wearing Surface	Wearing Surface	3564
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3638
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	50
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	50
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	50
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	50
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	50
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	50
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	50
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	50
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	50
Span 3	Beam 10	Plate Girder	Steel Open Girder/Beam	50
Span 3	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	51
Span 3	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	51
Span 3	Median Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	51
Span 3	Expansion Joint 3	Compression Seal	Compression Joint Seal	83
Span 3	Expansion Joint 4	Compression Seal	Compression Joint Seal	83
Span 3	Wearing Surface	Concrete Wearing Surface	Wearing Surface	3366
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1

Elements Verified

Location	Name	Component	Element Name	Amount
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	79
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 5	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	85
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	79
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	79
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 5	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	85
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	79

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 430236

Inspection Date: 04/23/2019

National Bridge Inventory Items

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

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C		0	3352
Scour	G, F, P, or C			
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation		N		
Drift	G, F, P, or C		0	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	F		
Estimated Remaining Life	0 - 100 Years			
Superstructure Paint Code		A		

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	22
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 430236

Inspection Date: 04/23/2019

Item	Deck - Item 58	Grade 5	Maint Code	Qty. 0
Details	PAR: 42" LONG SPALLED AREA WITH EXPOSED REBAR IN RIGHT APPROACH RAIL AT END BENT 1 JOINT (SEE PHOTO) UP TO 0.05" TRANSVERSE AND VERTICAL CRACKS IN TOP AND FACE OF CURBS IN VARIOUS LOCATIONS, CRACK IN SPAN 1 LEFT CURB APPROXIMATELY 5' FROM BENT 1 JOINT SHOWN IN PHOTO			
Item	Superstructure - Item 59	Grade 5	Maint Code	Qty. 0
Details	UP TO FULL WIDTH X FULL HEIGHT SPALLS WITH EXPOSED REBAR IN BOTTOM AND FACES OF BENT 1 DIAPHRAGMS IN BAYS 2, 5 AND 7 THRU 9 UP TO 60" X 6" X 5" SPALLS WITH EXPOSED REBAR IN BOTTOM AND FACES OF BENT 2 DIAPHRAGMS IN BAYS 2 THRU 9, CONDITION IN SPAN 3 FACE IN BAY 8 SHOWN IN PHOTO			
Item	Priority Maintenance Issued	Grade Y	Maint Code	Qty. 0
Details	APPROACH 1 RIGHT RAIL SPAN 1 DECK SPAN 2 DECK (x3) SPAN 1 BEAM 1 BENT 1 COLUMN 1 BENT 1 COLUMN 4 BENT 1 COLUMN 5 BENT 2 COLUMN 5 BENT 1 CAP (x2) BENT 2 CAP (x2) END BENT 2 CAP			
Item	Response to live load	Grade F	Maint Code	Qty. 0
Details	VIBRATION UNDER VEHICLE LOAD			



Span 1 Beam 1: PAR: CORROSION ALONG WEB AND BOTH FLANGES UP TO 45" LONG X 14" HIGH DOWN TO 1/4" RESIDUAL WEB, 42" LONG X 6" WIDE WITH NO MEASURABLE LOSS OF SECTION IN TOP FLANGE, AND 46" LONG X 6" WIDE DOWN TO 1/4" RESIDUAL BOTTOM FLANGE EXTENDING FROM END OF BEAM AT END BENT 1, CONDITION ON LEFT SIDE SHOWN



Span 1 Deck: 26" X 11" X 2" DEEP SPALL IN BOTTOM OF DECK TO LEFT OF BEAM 1 AT END BENT 1



End Bent 1 Cap 1: UP TO 1/4" TRANSVERSE AND VERTICAL CRACKS WITH AND WITHOUT EFFLORESCENCE
IN FACE OF CAP BENEATH BAY 1



Span 1 Deck: 12" X 6" X 1 1/2" DEEP SPALL WITH EXPOSED REBAR AND 40" X 17" AREA OF DELAMINATION IN BOTTOM OF DECK IN BAY 4, APPROXIMATELY 8' FROM END BENT 1



Span 1 Deck: 20' X 78" FAILED PATCH WITH UP TO 0.02" LONGITUDINAL AND TRANSVERSE CRACKS WITH EFFLORESCENCE IN BOTTOM OF DECK IN BAY 8, EXTENDING FROM BENT 1, CONDITION APPROXIMATELY 15' FROM BENT 1 SHOWN



Span 1 Deck: PAR: (6) SPALLS WITH EXPOSED LONGITUDINAL AND TRANSVERSE REBAR UP TO 48" X 24" X 3" DEEP AND AREAS OF DELAMINATION UP TO 60" X 24" ALONG RIGHT OVERHANG, CONDITION APPROXIMATELY 15' FROM BENT 1 SHOWN



Span 1 Deck: PAR: (6) SPALLS WITH EXPOSED LONGITUDINAL AND TRANSVERSE REBAR UP TO 48" X 24" X 3" DEEP AND AREAS OF DELAMINATION UP TO 60" X 24" ALONG RIGHT OVERHANG, CONDITION APPROXIMATELY 13' FROM END BENT 1 SHOWN



Span 1 Deck: AREAS OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BOTTOM OF DECK IN VARIOUS LOCATIONS, CRACKS IN BAY 2 APPROXIMATELY 17' FROM END BENT 1 SHOWN



End Bent 1 Abutment/Backwall: FAILED PATCH WITH UP TO 34" X 21" AREA OF DELAMINATION IN FACE OF CURTAIN WALL TO RIGHT OF BEAM 8



End Bent 1 Abutment/Backwall: UP TO 32" X 16" PATCHES IN FACE OF CURTAIN WALL IN VARIOUS LOCATIONS, CONDITION IN BAY 6 SHOWN



Span 1 Beam 9 Near Bearing: SURFACE CORROSION THROUGHOUT BEAM 9 BEARING



Span 1 Deck: UP TO 0.016" TRANSVERSE CRACKS WITH EFFLORESCENCE AND FAILED SEALED CRACKS IN BOTTOM OF DECK IN BAY 1, CONDITION APPROXIMATELY 6' FROM END BENT 1 SHOWN



Bent 1 Pile 1: PAR: 65" X 12" X 3" SPALL WITH EXPOSED REBAR IN NORTHWEST CORNER OF COLUMN, BEGINNING APPROXIMATELY 2' FROM GROUND LINE



Bent 1 Pile 4: PAR: 96" X 8" X 7" SPALL WITH EXPOSED REBAR IN SOUTHEAST CORNER OF COLUMN
EXTENDING FROM BOTTOM OF CAP



Bent 1 Pile 4: 52" X 8" AREA OF DELAMINATION WITH UP TO 1/4" VERTICAL CRACKS IN SPAN 1 FACE OF
COLUMN EXTENDING FROM BOTTOM OF CAP



Bent 1 Pile 5: PAR: (3) SPALLS WITH EXPOSED REBAR UP TO 60" X 10" X 10" IN NORTHWEST CORNER, SOUTHWEST CORNER AND RIGHT FACE OF COLUMN EXTENDING FROM BOTTOM OF CAP



Span 2 Deck: PAR: (4) AREAS OF DELAMINATION UP TO 24" X 24" IN BOTTOM OF LEFT OVERHANG ABOVE ROADWAY



Span 2 Deck: PAR: 26" X 24" X 2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF LEFT OVERHANG, APPROXIMATELY 6' FROM BENT 1



Span 2 Deck: PAR: FAILED REPAIR AND (2) AREAS OF DELAMINATION UP TO 36" X 22" IN BOTTOM OF RIGHT OVERHANG ABOVE ROADWAY



Bent 2 Pile 5: PAR: 66" X 13" X 6" SPALL WITH EXPOSED REBAR IN SOUTHEAST CORNER OF COLUMN
EXTENDING FROM BOTTOM OF CAP



Span 3 Deck: (3) PATCHES UP TO 64" X 48" IN BOTTOM OF DECK IN BAYS 8 AND 9 NEAR END BENT 2, PATCH
IN BAY 9 SHOWN



Span 3 Beam 10 Far Bearing: CORROSION THROUGHOUT BEAM 10 BEARING



End Bent 2 Cap 1: PAR: 60" X 15" X 3" SPALL WITH EXPOSED REBAR IN TOP AND FACE OF CAP BENEATH BAY



Span 3 Median Bridge Rail: UP TO 1/16" HORIZONTAL AND MAP CRACKING THROUGHOUT BOTH FACES OF RAIL, CRACKS IN RIGHT FACE NEAR MIDSPAN SHOWN



Expansion Joint 3: 14" X 6" AREA OF CRACKED AND BROKEN DECK HEADER ALONG BENT 2 JOINT ALONG CENTERLINE OF EASTBOUND LANES



Span 3 Wearing Surface: UP TO 1/16" DIAGONAL, LONGITUDINAL AND TRANSVERSE CRACKS IN VARIOUS LOCATIONS, CRACKS IN INSIDE EASTBOUND LANE AT BENT 3 JOINT SHOWN



Span 1 Median Bridge Rail: MISSING CONNECTION PLATE ALONG RIGHT FACE OF MEDIAN RAIL AT BENT 1 JOINT



PAR: 42" LONG SPALLED AREA WITH EXPOSED REBAR IN RIGHT APPROACH RAIL AT END BENT 1 JOINT



Span 1 Right Bridge Rail: SPALLS WITH EXPOSED REBAR UP TO 18" X 5" X 2" DEEP IN BACK FACE AND BOTTOM OF RAIL AND POSTS IN VARIOUS LOCATIONS, CONDITION APPROXIMATELY 10' FROM END BENT 1 JOINT SHOWN



Span 2 Right Bridge Rail: SPALLS WITH EXPOSED REBAR UP TO 17" X 4" X 4" DEEP IN BACK FACE AND BOTTOM OF RAIL AND POSTS IN VARIOUS LOCATIONS, CONDITION NEAR MIDSPAN SHOWN



UP TO 0.05" TRANSVERSE AND VERTICAL CRACKS IN TOP AND FACE OF CURBS IN VARIOUS LOCATIONS, CRACK IN SPAN 1 LEFT CURB APPROXIMATELY 5' FROM BENT 1 JOINT SHOWN



Bent 2 Cap 1: 44" X 8" AREA OF DELAMINATION WITH UP TO 1/16" HORIZONTAL CRACKS IN SPAN 2 FACE OF CAP BENEATH BEAM 1



Span 2 Beam 1: CORROSION WITH NO MEASURABLE LOSS OF SECTION ALONG WEB AND BOTTOM FLANGE UP TO 16' LONG X 14" HIGH IN WEB, AND 16' LONG X 11 1/2" WIDE IN FLANGE EXTENDING FROM END OF BEAM AT BENT 2, CONDITION ON LEFT SIDE SHOWN



UP TO 60" X 6" X 5" SPALLS WITH EXPOSED REBAR IN BOTTOM AND FACES OF BENT 2 DIAPHRAGMS IN BAYS 2 THRU 9, CONDITION IN SPAN 3 FACE IN BAY 8 SHOWN



Bent 2 Cap 1: PAR: 103" X 33" X 30" AREA OF DELAMINATION WITH UP TO 1/2" VERTICAL AND HORIZONTAL CRACKS AND 33" X 30" X 5" DEEP SPALL WITH EXPOSED REBAR THROUGHOUT CAP EXTERIOR FROM RIGHT END TO BENEATH BAY 9, CONDITION IN SPAN 2 SHOWN



Bent 2 Cap 1: PAR: 103" X 33" X 30" AREA OF DELAMINATION WITH UP TO 1/2" VERTICAL AND HORIZONTAL CRACKS AND 33" X 30" X 5" DEEP SPALL WITH EXPOSED REBAR THROUGHOUT CAP EXTERIOR FROM RIGHT END TO BENEATH BAY 9, CONDITION IN SPAN 3 FACE SHOWN



Bent 2 Cap 1: PAR: 125" X 30" X 30" AREA OF DELAMINATION WITH UP TO 1/2" LONGITUDINAL AND HORIZONTAL CRACKS AND 7' X 26" X 4" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM AND BOTH FACES OF CAP TO RIGHT OF COLUMN 4



Bent 1 Cap 1: UP TO 1/16" DIAGONAL AND HORIZONTAL CRACKS IN SPAN 2 FACE OF CAP AT LEFT END



Bent 1 Cap 1: (2) SPALLS WITH EXPOSED REBAR UP TO 7" X 3" X 1" DEEP WITH 32" X 32" AREA OF DELAMINATION AND UP TO 1/8" MAP CRACKING IN SPAN 1 FACE OF CAP AT LEFT END



Bent 1 Cap 1: PAR: UP TO 8' X 30" X 3" DEEP SPALLS WITH EXPOSED REBAR, 13' X 6" AREAS OF DELAMINATION AND UP TO 1/2" DIAGONAL AND HORIZONTAL CRACKS IN BOTTOM AND BOTH FACES OF CAP BENEATH BAY 2, CONDITION IN BOTTOM SHOWN



Bent 1 Cap 1: PAR: UP TO 8' X 30" X 3" DEEP SPALLS WITH EXPOSED REBAR, 13' X 6" AREAS OF DELAMINATION AND UP TO 1/2" DIAGONAL AND HORIZONTAL CRACKS IN BOTTOM AND BOTH FACES OF CAP BENEATH BAY 2, CONDITION IN SPAN 1 FACE SHOWN



Span 2 Beam 10 Near Bearing: LESS THAN 1% LOSS OF BEARING AREA BENEATH BEAM 10 BEARING



Bent 1 Cap 1: PAR: UP TO 64" X 42" X 3" DEEP SPALLS WITH EXPOSED REBAR, 16' X 24" AREAS OF DELAMINATION AND UP TO 1 1/2" LONGITUDINAL, TRANSVERSE, DIAGONAL AND HORIZONTAL CRACKS IN TOP, BOTTOM, RIGHT END AND BOTH FACES OF CAP FROM BENEATH BEAM 8 TO RIGHT END, CONDITION IN SPAN 2 FACE BENEATH BEAM 8 SHOWN



Bent 1 Cap 1: PAR: UP TO 64" X 42" X 3" DEEP SPALLS WITH EXPOSED REBAR, 16' X 24" AREAS OF DELAMINATION AND UP TO 1 1/2" LONGITUDINAL, TRANSVERSE, DIAGONAL AND HORIZONTAL CRACKS IN TOP, BOTTOM, RIGHT END AND BOTH FACES OF CAP FROM BENEATH BEAM 8 TO RIGHT END, CONDITION IN SPAN 2 FACE BENEATH BAY 9 SHOWN



Bent 1 Cap 1: PAR: UP TO 64" X 42" X 3" DEEP SPALLS WITH EXPOSED REBAR, 16' X 24" AREAS OF DELAMINATION AND UP TO 1 1/2" LONGITUDINAL, TRANSVERSE, DIAGONAL AND HORIZONTAL CRACKS IN TOP, BOTTOM, RIGHT END AND BOTH FACES OF CAP FROM BENEATH BEAM 8 TO RIGHT END, CONDITION IN SPAN 2 FACE BENEATH BEAM 10 SHOWN



Bent 1 Cap 1: PAR: UP TO 64" X 42" X 3" DEEP SPALLS WITH EXPOSED REBAR, 16' X 24" AREAS OF DELAMINATION AND UP TO 1 1/2" LONGITUDINAL, TRANSVERSE, DIAGONAL AND HORIZONTAL CRACKS IN TOP, BOTTOM, RIGHT END AND BOTH FACES OF CAP FROM BENEATH BEAM 8 TO RIGHT END, CONDITION IN RIGHT FACE SHOWN



Bent 1 Cap 1: PAR: UP TO 64" X 42" X 3" DEEP SPALLS WITH EXPOSED REBAR, 16' X 24" AREAS OF DELAMINATION AND UP TO 1 1/2" LONGITUDINAL, TRANSVERSE, DIAGONAL AND HORIZONTAL CRACKS IN TOP, BOTTOM, RIGHT END AND BOTH FACES OF CAP FROM BENEATH BEAM 8 TO RIGHT END, CONDITION IN SPAN 2 FACE SHOWN



END BENT 1, END BENT 2 SIMILAR



BEAM 3 BEARING AT END BENT 2, OTHERS SIMILAR AT END BENTS



EAST APPROACH, LOOKING WEST



BENT 3 JOINT IN WESTBOUND LANES, BENT 2 JOINT SIMILAR



EAST APPROACH



RIGHT RAIL, LEFT RAIL SIMILAR



GUARDRAIL TO BARRIER RAIL TRANSITION AT SOUTHEAST CORNER, NORTHEAST AND SOUTHWEST CORNERS SIMILAR



POST SPACING AT MIDSPAN AT SOUTHEAST CORNER, NORTHEAST AND SOUTHWEST CORNERS SIMILAR



POST SPACING AT BRIDGE AT SOUTHEAST CORNER, NORTHEAST AND SOUTHWEST CORNERS SIMILAR



WEST APPROACH



LOOKING EAST



GUARDRAIL END TREATMENT AT SOUTHWEST CORNER, NORTHEAST AND SOUTHEAST CORNERS SIMILAR



TRANSITION ALONG WEST APPROACH SLAB IN EASTBOUND LANES, TRANSITION ALONG EAST APPROACH SLAB SIMILAR



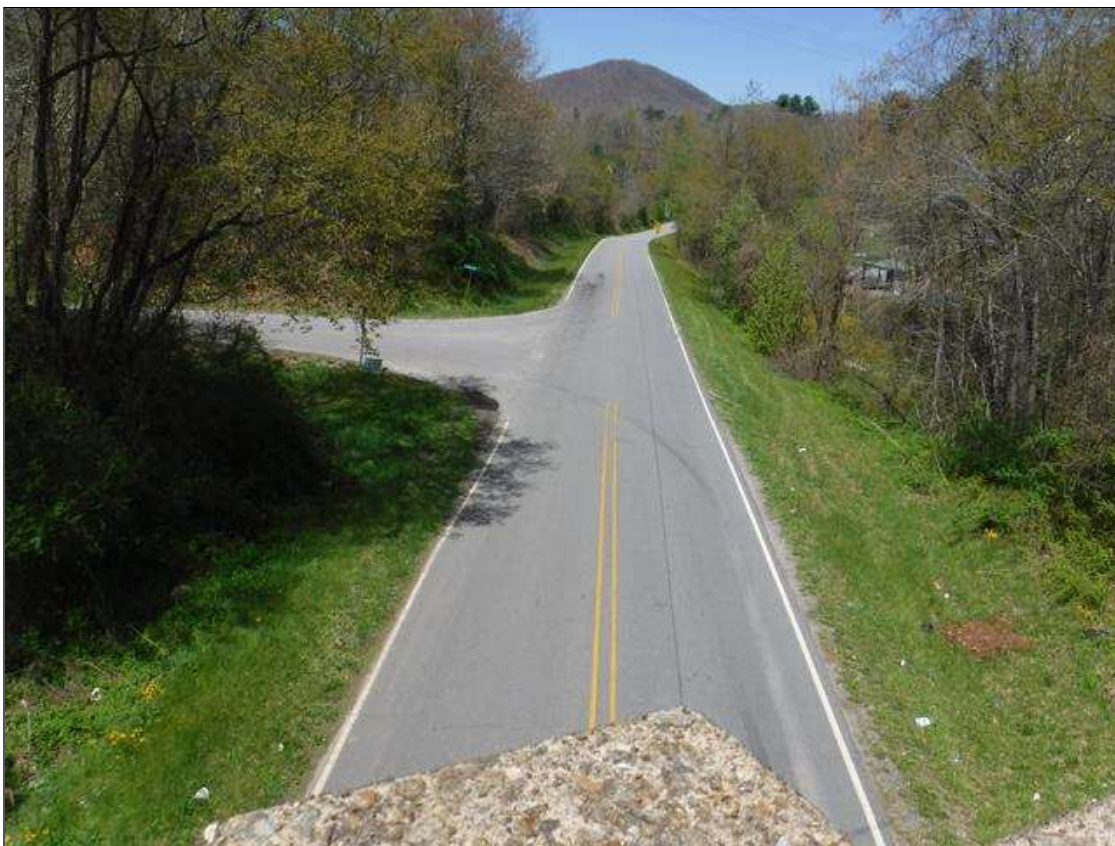
MEDIAN RAIL



LOOKING SOUTH



END BENT 2 JOINT IN EASTBOUND LANES, END BENT 1 JOINT SIMILAR



LOOKING NORTH



GUARDRAIL END POST NORTHWEST CORNER



NORTH PROFILE, LOOKING SOUTH



BEAM 3 BEARING AT BENT 2 IN SPAN 2, OTHERS SIMILAR AT BENTS



SPAN 2 UNDERDECK, OTHERS SIMILAR



SOUTH PROFILE, LOOKING NORTH



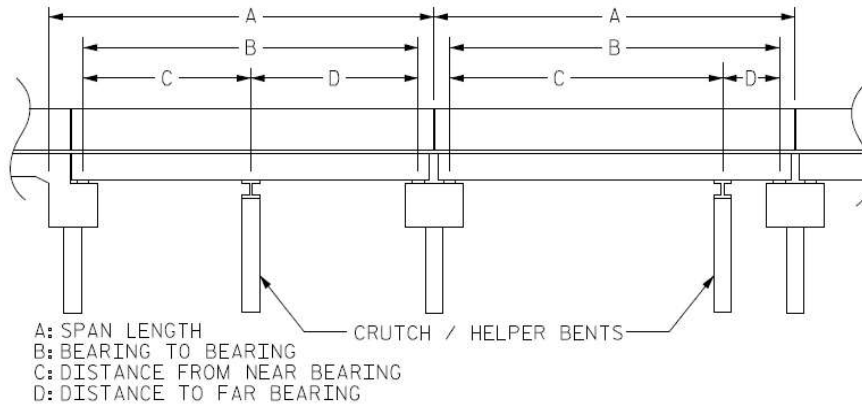
BENT 2 BENT 1 SIMILAR

Structure Data Worksheet

Span Profile

County: **HAYWOOD**

Structure Number: **430236**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	41.000	38.000			
2	54.000	52.000			
3	51.000	48.000			

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

Run Date: 07/18/2019

IDENTIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	430236	SUFFICIENCY RATING = 55.81
(8) STRUCTURE NUMBER(FEDERAL)	00000000870236		STATUS = Structurally Deficient
(5) INVENTORY ROUTE (ON/UNDER) - ON	11000400		
(2) STATE HIGHWAY DEPARTMENT DISTRICT	2		
(3) COUNTY CODE 87 (4) PLACE CODE	0		
(6) FEATURE INTERSECTED - SR1513			
(7) FACILITY CARRIED I-40			
(9) LOCATION 1.8 M.I.E.JCT.SR1660			
(11) MILEPOINT	29.3		
(16) LAT 35° 32' 56.11" (17) LONG 82° 53' 9.02"			
(98) BORDER BRIDGE STATE CODE	PCT SHARE		
(99) BORDER BRIDGE STRUCTURE NO			
STRUCTURE TYPE AND MATERIAL			
(43) STRUCTURE TYPE MAIN: Steel			
TYPE - Stringer Multibeam or Girder	CODE 302		
(44) STRUCTURE TYPE APPR :			
TYPE -	CODE 000		
(45) NUMBER OF SPANS IN MAIN UNIT	3		
(46) NUMBER OF APPROACH SPANS			
(107) DECK STRUCTURE TYPE - 1	CODE		
(108) WEARING SURFACE / PROTECTIVE SYSTEM :			
(A) TYPE OF WEARING SURFACE - Latex Concrete	CODE 3		
(B) TYPE OF MEMBRANE - None	CODE 0		
(C) TYPE OF DECK PROTECTION - None	CODE 0		
AGE AND SERVICE			
(27) YEAR BUILT	1961		
(106) YEAR RECONSTRUCTED	1988		
(42) TYPE OF SERVICE : ON - Highway			
UNDER - Highway	CODE 11		
(28) LANES: ON STRUCTURE 4 UNDER STRUCTURE	2		
(29) AVERAGE DAILY TRAFFIC	25000		
(30) YEAR OF ADT 2015 (109) TRUCK ADT PCT	23%		
(19) BYPASS OR DETOUR LENGTH	3 MI		
GEOMETRIC DATA			
(48) LENGTH OF MAXIMUM SPAN	52 FT		
(49) STRUCTURE LENGTH	146 FT		
(50) CURB OR SIDEWALK: LEFT 0 FT RIGHT	0 FT		
(51) BRIDGE ROADWAY WIDTH CURB TO CURB	66 FT		
(52) DECK WIDTH OUT TO OUT	73.333 FT		
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)	76 FT		
(33) BRIDGE MEDIAN - Closed Median w/Barrier	CODE 3		
(34) SKEW 30° (35) STRUCTURE FLARED	0		
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9 FT		
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	33 FT		
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9 FT		
(54) MIN VERT UNDERCLEAR REF Highway	14.58 FT		
(55) MIN LAT UNDERCLEAR RT REF Highway	11.75 FT		
(56) MIN LAT UNDERCLEAR LT REF -	0 FT		
NAVIGATION DATA			
(38) NAVIGATION CONTROL - Not Applicable	CODE N		
(111) PIER PROTECTION -	CODE		
(39) NAVIGATION VERTICAL CLEARANCE	0		
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR	FT		
(40) NAVIGATION HORIZONTAL CLEARANCE	0 FT		
CLASSIFICATION			
(112) NBIS BRIDGE SYSTEM -			YES
(104) HIGHWAY SYSTEM Is on the NHS			1
(26) FUNCTIONAL CLASS - Arterial - Interstate			01
(100) STRAHNET HIGHWAY - Interstate STRAHNET Route			1
(101) PARALLEL STRUCTURE - No Parallel Structure			N
(102) DIRECTION OF TRAFFIC - 2-way Traffic			2
(103) TEMPORARY STRUCTURE -			
(110) DESIGNATED NATIONAL NETWORK - On the National Network			1
(20) TOLL On Free Road			3
(31) MAINTAIN - State Highway Agency			01
(22) OWNER - State Highway Agency			01
(37) HISTORICAL SIGNIFICANCE - Not Eligible			5
CONDITION			
(58) DECK			5
(59) SUPERSTRUCTURE			5
(60) SUBSTRUCTURE			4
(61) CHANNEL & CHANNEL PROTECTION			N
(62) CULVERTS			N
LOAD RATING AND POSTING			
(31) DESIGN LOAD HS 20 + MOD			6
(63) OPERATING RATING METHOD - Load Factor			1
(64) OPERATING RATING - HS-36			65
(65) INVENTORY RATING METHOD - Load Factor			1
(66) INVENTORY RATING - HS-22			39
(70) BRIDGE POSTING - No Posting Required			5
(41) STRUCTURE OPEN, POSTED ,OR CLOSED DESCRIPTION - Open, No Restriction			A
APPRAISAL			
(67) STRUCTURAL EVALUATION			4
(68) DECK GEOMETRY			6
(69) UNDERCLEARANCES, VERTI & HORIZ			6
(71) WATERWAY ADEQUACY			N
(72) APPROACH ROADWAY ALIGNMENT			8
(36) TRAFFIC SAFETY FEATURES			1111
(113) SCOUR CRITICAL BRIDGES			N
PROPOSED IMPROVEMENTS			
(75) TYPE OF WORK -			CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT			
(94) BRIDGE IMPROVEMENT COST			
(95) ROADWAY IMPROVEMENT COST			
(96) TOTAL PROJECT COST			
(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(114) FUTURE ADT 50000 (115) YEAR FUTURE ADT			2025
INSPECTIONS			
(90) INSPECTION DATE			04/23/2019
(92) CRITICAL FEATURE INSPECTION :			(93) CFI DATE
A) FRACTURE CRIT DETAIL - NO			A)
B) UNDERWATER INSP - NO			B)
C) OTHER SPECIAL INSP NO			C)
SCOUR			

Structure No: 430236

County: HAYWOOD

Run Date:

Span Number	Feature Intersected	Inventory Route	Minimum Maximum Vertical Clearance	Milepoint	Base Highway Network	LRS Inventory Route	Toll	Functional Classification	Nuner of Lanes	Average Daily Traffic	Year of Average Daily Traffic	Total Horizontal Clearance	See Note 1					STRAHNET Highway Designator	Direction of Traffic	Highway System of Route
													Reference Feature	Minimum Vertical Underclearance	Right Lateral Underclearance	Left Lateral Underclearance	Underclearance Appraisal Grade			
	6	5	10	11	12	13	20	26	28	29	30	47	54A	54	55	56	69	100	102	104
2	SR1513	31015130	14.58	00				17	2	630	2016	44.83	H	14.58	11.75		9	0	2	0

Note 1: Items 54, 55, and 56 are not reported FHWA under route data points but are collected for each under route to determine the minimum value for Underclearance Appraisal Item 69. The under route that generates the lowest Underclearance Appraisal value will be reported on the Facility Carried record.

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 07/18/2019

COUNTY : HAYWOOD DIVISION : 14 DISTRICT : 2 STRUCTURE NUMBER : 430236 LENGTH : 146 FEET

ROUTE CARRIED : I-40 FEATURE INTERSECTED : SR1513

LOCATED : 1.8 MI.E.JCT.SR1660 BRIDGE NAME : CITY :

FUNC. CLASS : 01 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 25000 2015 RAIL TYPE : LT 333 RT 333

BUILT : 1961 BY : DOH PROJ : 8.19430 FED.AID PROJ : DESIGN LOAD : HS 20 + MOD

REHAB : 1988 BY : PROJ : 8.1940205 ALIGNMENT : TAN SKEW : 120 LANES : ON 4 UNDER 2

NAVIGATION : VC 0 FT HC 0 FT HT. CRN. TO BED : 0 FT WATER DEPTH : 0 FT

SUPERSTRUCTURE : REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE : E.BTS:RC CAPS/H-PILES;INT.BTS:RCP&BEAM/PILE FTGS.

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

BEAMS OR GIRDERS : 10 LINES 33 I-BEAMS @ VAR.CENTERS

FLOOR : 8.75 RC/ NO AWS ENCROACHMENT : DECK (OUT TO OUT) : 73.333 FT

CLEAR ROADWAY : 66 FT BETWEEN RAILS : 66 FT SIDEWALK OR CURB : LT 0 FT RT 0 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-22 OPE.RTG. : HS-36 CONTR.MEMBER : I-Bm A POSTED : SV TTST DATE

SYSTEM : Primary Interstate GREEN LINE ROUTE : Y

UNDER ROUTES AND CLEARANCES

Span	Route Description	Vertical Clearances		Horizontal Clearances		
		MMVC	MVC	Total	Left	Right
2	SR1513	14.58	14.58	44.8330	0	11.75

Note: All measurements are in feet.

REMARKS :









BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430236

County HAYWOOD

Date: 04/23/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 0	No Maintenance Required	NA	4	42" LONG SPALLED AREA WITH EXPOSED REBAR IN RIGHT APPROACH RAIL AT END BENT 1 JOINT.	
 3314	Maintain Steel Superstructure Components	LF	4	Span 1 Beam 1: CORROSION ALONG WEB AND BOTH FLANGES UP TO 45" LONG X 14" HIGH DOWN TO 1/4" RESIDUAL WEB, 42" LONG X 6" WIDE WITH NO MEASURABLE LOSS OF SECTION IN TOP FLANGE, AND 46" LONG X 6" WIDE DOWN TO 1/4" RESIDUAL BOTTOM FLANGE EXTENDING FROM END OF BEAM AT END BENT 1, CONDITION ON LEFT SIDE SHOWN.	
 3326	Maintain Concrete Deck	SF	80	Span 1 Deck: (6) SPALLS WITH EXPOSED LONGITUDINAL AND TRANSVERSE REBAR UP TO 48" X 24" X 3" DEEP AND AREAS OF DELAMINATION UP TO 60" X 24" ALONG RIGHT OVERHANG.	
 3326	Maintain Concrete Deck	SF	5	Span 2 Deck: 26" X 24" X 2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF LEFT OVERHANG, APPROXIMATELY 6' FROM BENT 1.	
 3326	Maintain Concrete Deck	SF	7	Span 2 Deck: (4) AREAS OF DELAMINATION UP TO 24" X 24" IN BOTTOM OF LEFT OVERHANG ABOVE ROADWAY.	
 3326	Maintain Concrete Deck	SF	10	Span 2 Deck: FAILED REPAIR AND (2) AREAS OF DELAMINATION UP TO 36" X 22" IN BOTTOM OF RIGHT OVERHANG ABOVE ROADWAY.	
 3348	Maintain Concrete Substructure Components	LF	6	Bent 1 Pile 1: 65" X 12" X 3" SPALL WITH EXPOSED REBAR IN NORTHWEST CORNER OF COLUMN, BEGINNING APPROXIMATELY 2' FROM GROUND LINE.	
 3348	Maintain Concrete Substructure Components	LF	5	Bent 1 Pile 5: (3) SPALLS WITH EXPOSED REBAR UP TO 60" X 10" X 10" IN NORTHWEST CORNER, SOUTHWEST CORNER AND RIGHT FACE OF COLUMN EXTENDING FROM BOTTOM OF CAP.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined








BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430236

County HAYWOOD

Date: 04/23/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3348	Maintain Concrete Substructure Components	LF	6	Bent 2 Pile 5: 66" X 13" X 6" SPALL WITH EXPOSED REBAR IN SOUTHEAST CORNER OF COLUMN EXTENDING FROM BOTTOM OF CAP.	
 3348	Maintain Concrete Substructure Components	LF	9	Bent 2 Cap 1: 103" X 33" X 30" AREA OF DELAMINATION WITH UP TO 1/2" VERTICAL AND HORIZONTAL CRACKS AND 33" X 30" X 5" DEEP SPALL WITH EXPOSED REBAR THROUGHOUT CAP EXTENDING FROM RIGHT END TO BENEATH BAY 9.	
 3348	Maintain Concrete Substructure Components	LF	6	End Bent 2 Cap 1: 60" X 15" X 3" SPALL WITH EXPOSED REBAR IN TOP AND FACE OF CAP BENEATH BAY 6.	
 3348	Maintain Concrete Substructure Components	LF	11	Bent 2 Cap 1: 125" X 30" X 30" AREA OF DELAMINATION WITH UP TO 1/2" LONGITUDINAL AND HORIZONTAL CRACKS AND 7' X 26" X 4" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM AND BOTH FACES OF CAP TO RIGHT OF COLUMN 4.	
 3348	Maintain Concrete Substructure Components	LF	8	Bent 1 Pile 4: 96" X 8" X 7" SPALL WITH EXPOSED REBAR IN SOUTHEAST CORNER OF COLUMN EXTENDING FROM BOTTOM OF CAP.	
 3348	Maintain Concrete Substructure Components	LF	13	Bent 1 Cap 1: UP TO 8' X 30" X 3" DEEP SPALLS WITH EXPOSED REBAR, 13' X 6" AREAS OF DELAMINATION AND UP TO 1/2" DIAGONAL AND HORIZONTAL CRACKS IN BOTTOM AND BOTH FACES OF CAP BENEATH BAY 2.	
 3348	Maintain Concrete Substructure Components	LF	20	Bent 1 Cap 1: UP TO 64" X 42" X 3" DEEP SPALLS WITH EXPOSED REBAR, 16' X 24" AREAS OF DELAMINATION AND UP TO 1 1/2" LONGITUDINAL, TRANSVERSE, DIAGONAL AND HORIZONTAL CRACKS IN TOP, BOTTOM, RIGHT END AND BOTH FACES OF CAP FROM BENEATH BEAM 8 TO RIGHT END.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430236

County HAYWOOD

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

MMS Code	MMS Description	Quantity
0	No Maintenance Required	4 NA
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/25/2019	Brian K Eggerton	
Details		
42" LONG SPALLED AREA WITH EXPOSED REBAR IN RIGHT APPROACH RAIL AT END BENT 1 JOINT.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/17/2019	B. Eggerton	
Details		
Span 1 Beam 1: CORROSION ALONG WEB AND BOTH FLANGES UP TO 45" LONG X 14" HIGH DOWN TO 1/4" RESIDUAL WEB, 42" LONG X 6" WIDE WITH NO MEASURABLE LOSS OF SECTION IN TOP FLANGE, AND 46" LONG X 6" WIDE DOWN TO 1/4" RESIDUAL BOTTOM FLANGE EXTENDING FROM END OF BEAM AT END BENT 1, CONDITION ON LEFT SIDE SHOWN.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430236

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	80 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/17/2019	B. Eggerton	
Details		
Span 1 Deck: (6) SPALLS WITH EXPOSED LONGITUDINAL AND TRANSVERSE REBAR UP TO 48" X 24" X 3" DEEP AND AREAS OF DELAMINATION UP TO 60" X 24" ALONG RIGHT OVERHANG.		

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	5 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/17/2019	B. Eggerton	
Details		
Span 2 Deck: 26" X 24" X 2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF LEFT OVERHANG, APPROXIMATELY 6' FROM BENT 1.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430236

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	7 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/17/2019	B. Eggerton	
Details		
Span 2 Deck: (4) AREAS OF DELAMINATION UP TO 24" X 24" IN BOTTOM OF LEFT OVERHANG ABOVE ROADWAY.		

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	10 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/17/2019	B. Eggerton	
Details		
Span 2 Deck: FAILED REPAIR AND (2) AREAS OF DELAMINATION UP TO 36" X 22" IN BOTTOM OF RIGHT OVERHANG ABOVE ROADWAY.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430236

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	6 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/17/2019	B. Eggerton	
Details		
Bent 1 Pile 1: 65" X 12" X 3" SPALL WITH EXPOSED REBAR IN NORTHWEST CORNER OF COLUMN, BEGINNING APPROXIMATELY 2' FROM GROUND LINE.		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/17/2019	B. Eggerton	
Details		
Bent 1 Pile 5: (3) SPALLS WITH EXPOSED REBAR UP TO 60" X 10" X 10" IN NORTHWEST CORNER, SOUTHWEST CORNER AND RIGHT FACE OF COLUMN EXTENDING FROM BOTTOM OF CAP.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430236

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	6 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/17/2019	B. Eggerton	
Details		
Bent 2 Pile 5: 66" X 13" X 6" SPALL WITH EXPOSED REBAR IN SOUTHEAST CORNER OF COLUMN EXTENDING FROM BOTTOM OF CAP.		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	9 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/17/2019	B. Eggerton	
Details		
Bent 2 Cap 1: 103" X 33" X 30" AREA OF DELAMINATION WITH UP TO 1/2" VERTICAL AND HORIZONTAL CRACKS AND 33" X 30" X 5" DEEP SPALL WITH EXPOSED REBAR THROUGHOUT CAP EXTENDING FROM RIGHT END TO BENEATH BAY 9.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430236

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	6 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/17/2019	B. Eggerton	
Details		
End Bent 2 Cap 1: 60" X 15" X 3" SPALL WITH EXPOSED REBAR IN TOP AND FACE OF CAP BENEATH BAY 6.		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	11 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/17/2019	B. Eggerton	
Details		
Bent 2 Cap 1: 125" X 30" X 30" AREA OF DELAMINATION WITH UP TO 1/2" LONGITUDINAL AND HORIZONTAL CRACKS AND 7' X 26" X 4" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM AND BOTH FACES OF CAP TO RIGHT OF COLUMN 4.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430236

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	8 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/17/2019	B. Eggerton	
Details		
Bent 1 Pile 4: 96" X 8" X 7" SPALL WITH EXPOSED REBAR IN SOUTHEAST CORNER OF COLUMN EXTENDING FROM BOTTOM OF CAP.		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	13 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/25/2019	Brian K Eggerton	
Details		
Bent 1 Cap 1: UP TO 8' X 30" X 3" DEEP SPALLS WITH EXPOSED REBAR, 13' X 6" AREAS OF DELAMINATION AND UP TO 1/2" DIAGONAL AND HORIZONTAL CRACKS IN BOTTOM AND BOTH FACES OF CAP BENEATH BAY 2.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430236

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	20 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
04/25/2019	Brian K Eggerton	
Details		
Bent 1 Cap 1: UP TO 64" X 42" X 3" DEEP SPALLS WITH EXPOSED REBAR, 16' X 24" AREAS OF DELAMINATION AND UP TO 1 1/2" LONGITUDINAL, TRANSVERSE, DIAGONAL AND HORIZONTAL CRACKS IN TOP, BOTTOM, RIGHT END AND BOTH FACES OF CAP FROM BENEATH BEAM 8 TO RIGHT END.		

Bridge Inspection Field Sketch



Left Lanes			
Roadway	24ft Wide	2 Paved Lanes	West Bound
Right Shoulder	14.58ft Wide	11.58ft Paved	3ft Unpaved
Left Shoulder	6.25ft Wide	6.25ft Paved	
Right Guardrail			
Left Guardrail			
Median	2ft Wide	2.833ft High	
Right Lanes			
Roadway	24ft Wide	2 Paved Lanes	East Bound
Left Shoulder	6ft Wide	6ft Paved	
Right Shoulder	3.67ft Wide	3.67ft Paved	
Left Guardrail	6ft from road		
Right Guardrail	3.67ft from road		

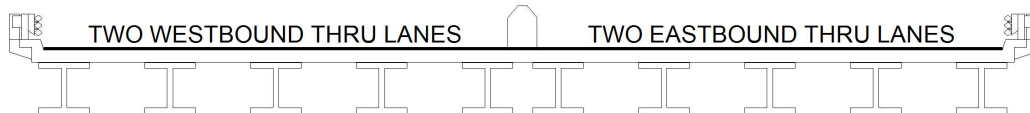
Measurements recorded approximately 35ft from edge of West approach slab along centerline of roadway

SKETCH REVISED BY BKE ON 4.23.19

Title		Description	
APPROACH ROADWAY		LOOKING EAST	
Bridge No: 430236	Drawn By: D.D.H.	Date: 08/10/2005	File Name: S0106000255

Bridge Inspection Field Sketch

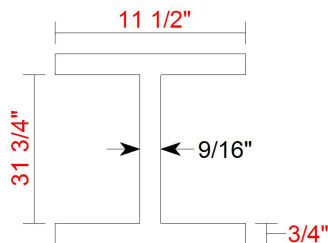
Deck Width/Out to Out	73.333ft*	Between Rails	68.0ft
Clear Roadway	66.0ft	Wearing Surface	0.167ft
Median Width	2.0ft	Median Height	2.833ft
Curb Height		Left	0.604ft
Curb Width		Left	1.667ft
Clear Roadway (Rail to Median)		Left	33.0ft
Guardrail Width (Metal)		Left	0.542ft
Top of Rail to Deck/Wearing Surface		Left	2.563ft
Bridge Rail		Left	Type 33



Measurements for Spans	1 Thru 3		
Deck Thickness	0.854	Left Overhang	4.167*
Top of Rail to Bottom of Beam	6.0	Right Overhang	4.167*

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	7.5ft	
2	Steel I Beam	7.5ft	
3	Steel I Beam	7.5ft	
4	Steel I Beam	7.5ft	
5	Steel I Beam	5.0ft	
6	Steel I Beam	7.5ft	
7	Steel I Beam	7.5ft	
8	Steel I Beam	7.5ft	
9	Steel I Beam	7.5ft	
10	Steel I Beam		

* Includes brackets. Not including brackets: Deck Width = 71.333ft ; Overhangs = 3.167ft



BEAM DETAILS

6" x 3/8" Cover Plates (Spans 1 and 3)

SKETCH REVISED BY BKE ON 4.23.19 (CHANGES IN RED)

Title

TYPICAL SECTION

Description

10 LINES OF STEEL I-BEAMS

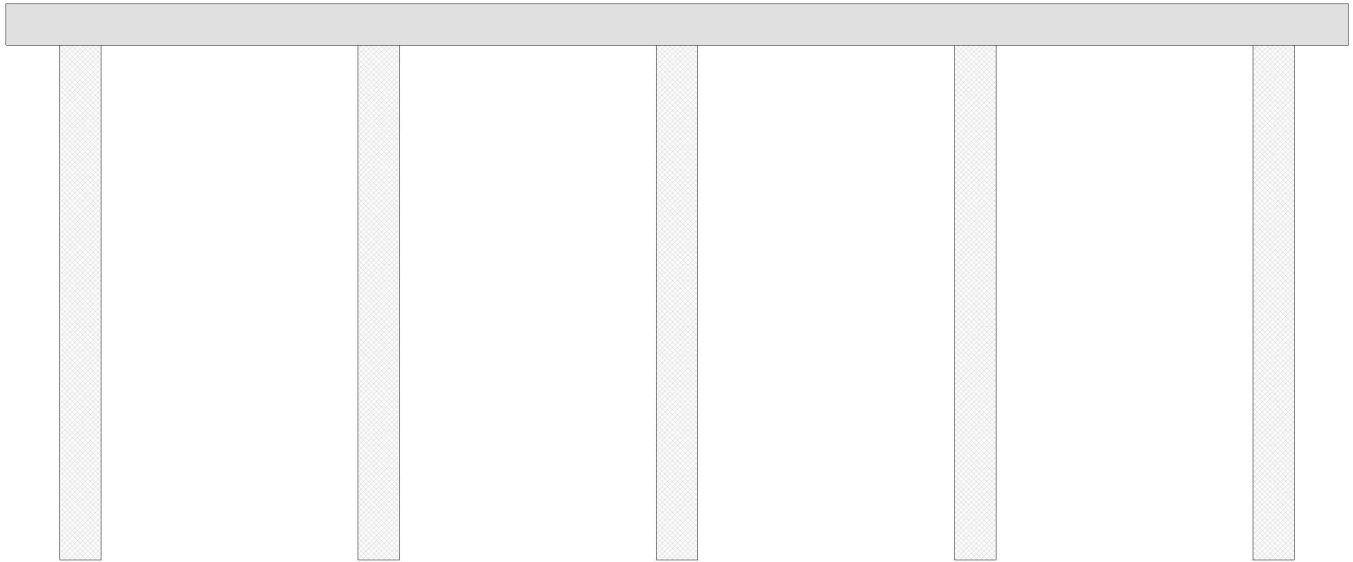
Bridge No: 430236

Drawn By: Roy W. Shook

Date: 08/10/2005

File Name: S0106000256

Bridge Inspection Field Sketch

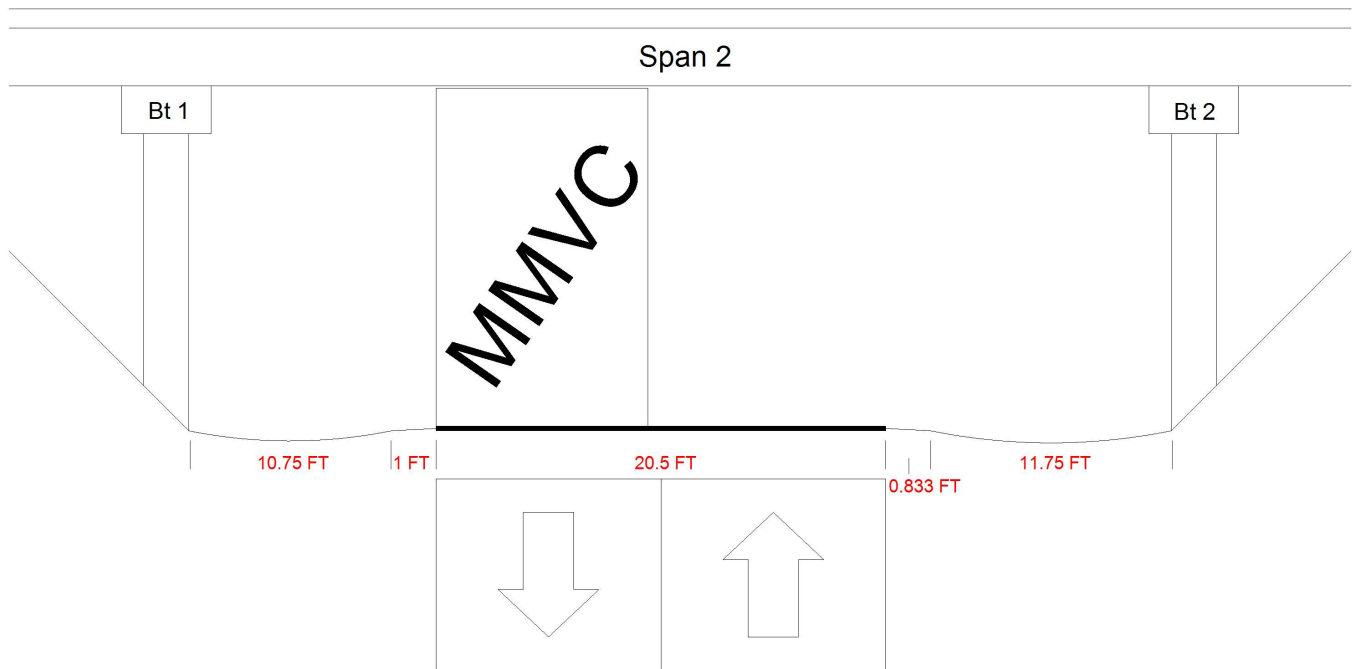


Cap Information			Material Cast-in-Place Concrete							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
79.0 ft.	2.5 ft.	2.5 ft.	4.5 ft.	4.5 ft.	1.833 ft.	1.833 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	17.5 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
2	Concrete	17.5 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
3	Concrete	17.5 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
4	Concrete	17.5 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
5	Concrete		2.5 ft.	2.5 ft.		Vertical	No	No	No	No
Bent 1			Bent 2 Similar							

SKETCH REVISED BY BKE ON 4.23.19 (CHANGES IN RED)

Title			Description		
BENT PROFILE			BENTS 1 AND 2		
Bridge No:	430236	Drawn By:	DELVIN ADAMS	Date:	4/17/2013
				File Name:	S0102001437

Bridge Inspection Field Sketch



Roadway 1		Direction of Traffic	North/South
Distance to Left Rail		Distance to Right Rail	
Distance to Left Toe of Slope	11.75FT	Distance to Left Bent	11.75FT
Distance to Right Toe of Slope	12.583FT	Distance to Right Bent	12.583FT
MMVC	14.58FT at Beam 10, 10FT from EDGE OF LEFT PAVED SHOULDER		
MVC	14.58FT at Beam 10, 11FT from RIGHT EDGE OF ROADWAY		

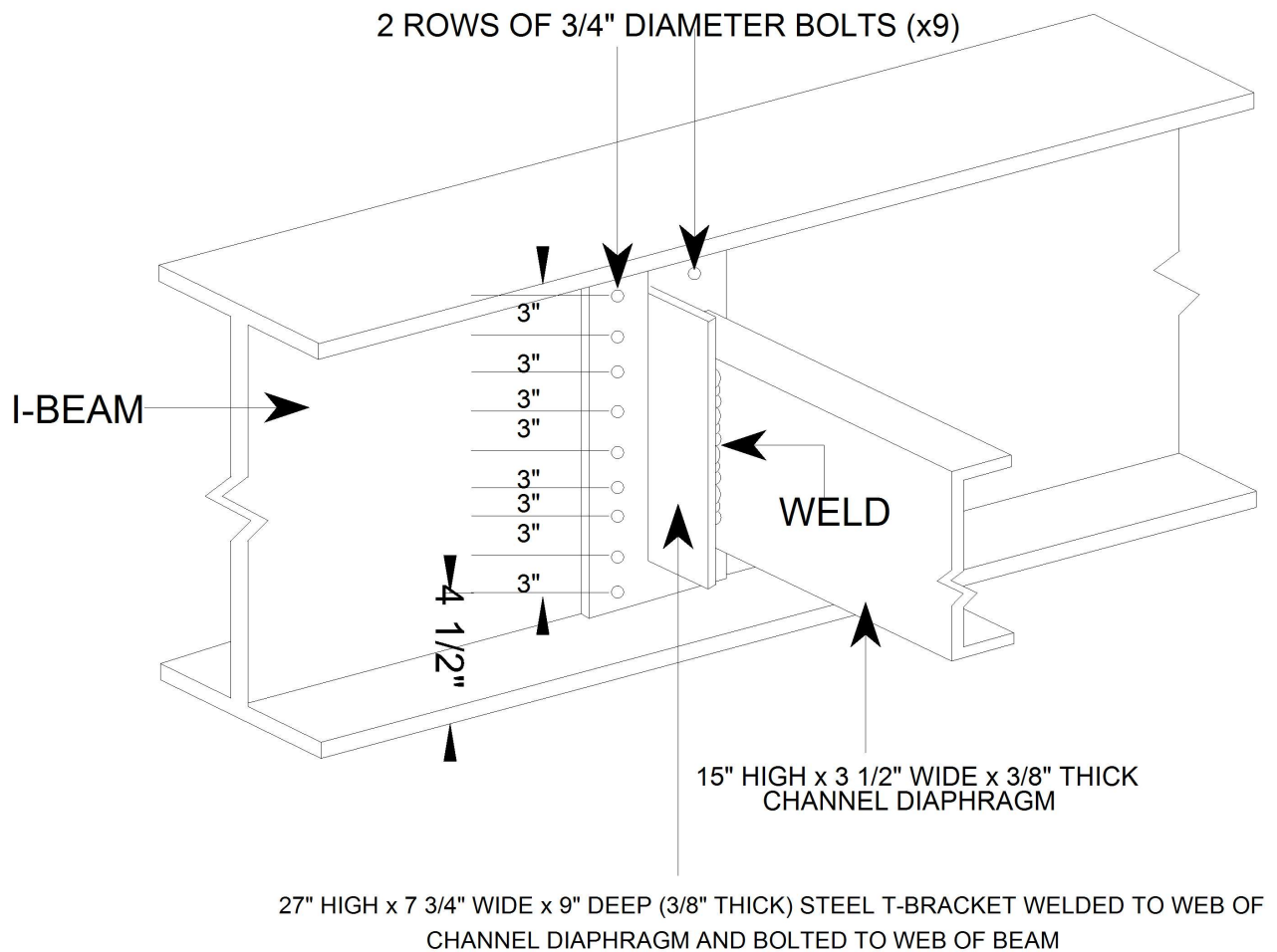
SKETCH REVISED BY BKE ON 4.23.19 (CHANGES IN RED)

Title		Description	
UNDER CLEARANCE		SPAN 2, SR1513	
Bridge No: 430236	Drawn By: Roy W. Shook	Date: 08/10/2005	File Name: S0106000257

Bridge Inspection Field Sketch

DIAPHRAGM DETAILS

LOCATIONS : MIDPOINTS OF SPANS # 1 & 3
1/3 POINTS OF SPAN #2



SKETCH VERIFIED BY BKE ON 4.23.19

Title

INTERMEDIATE DIAPHRAGMS

Description

DIAPHRAGM DETAILS

Bridge No: 430236

Drawn By: DELVIN ADAMS

Date: 4/17/2013

File Name: S0102001438