



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: SNOOPER USED - PRIORITY MAINTENANCE ISSUED

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 02/13/2019

DIVISION: 14 COUNTY: HAYWOOD STRUCTURE NUMBER: 430057 FREQUENCY: 24 MONTHS

FACILITY CARRIED: I-40 MILE POST: 6.7

LOCATION: 8.3 MI.W.JCT.SR1338

FEATURE INTERSECTED: USFS RD.& COLD SPRING CR

LATITUDE: 35° 44' 14.51" LONGITUDE: 83° 1' 26.12"

SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR ON I-BEAMS(LATEX MODIFIED CONC. OVERLAY)

SUBSTRUCTURE: E.BTS:RC CAPS/H-PILES;INT.BTS:RC P&B,BT:3/PILE FTGS.

SPANS: 4 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 5 CULVERT N

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT:



LOOKING EAST (COVER PHOTO)

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

DIRECTION OF INSPECTION W-E

DIRECTION MATCHES PLANS

INSPECTED BY
JOSHUA W GENTRY

SIGNATURE

ASSISTED BY DAVID SHEEHAN

Structure Element Scoring

Structure Number: **430057**

Inspection Date **2/13/2019**

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	15517	9140	6089	288	0
107	0	Steel Open Girder/Beam	Beam	2410	40	2335	35	0
515	107	Steel Protective Coating	Beam	23420	21496	1139	705	80
205	0	Reinforced Concrete Column	Piles and Columns	12	2	0	10	0
215	0	Reinforced Concrete Abutment	Abutments	148	135	10	3	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	12	12	0	0	0
225	0	Steel Pile	Piles and Columns	18	18	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	337	203	91	43	0
302	0	Compression Joint Seal	Expansion Joints	345	152	191	2	0
311	0	Movable Bearing	Bearing Device	40	0	6	34	0
515	311	Steel Protective Coating	Bearing Device	80	0	0	22	58
313	0	Fixed Bearing	Bearing Device	40	0	15	25	0
515	313	Steel Protective Coating	Bearing Device	80	0	14	34	32
321	0	Reinforced Concrete Approach Slabs	Approaches	3180	3180	0	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	249	0	0	249	0
333	0	Other Bridge Railing	Bridge Rail	498	23	211	264	0
515	333	Steel Protective Coating	Bridge Rail	498	498	0	0	0
510	0	Wearing Surface	Wearing Surfaces	13785	11853	431	1501	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **430057**

Inspection Date: **02/13/2019**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	664 Square Feet
3326	Reinforced Concrete Deck	Exposed Rebar	2 Square Feet
3326	Reinforced Concrete Deck	Cracking (RC and Other)	1025 Square Feet
3326	Reinforced Concrete Deck	Patched Areas	16 Square Feet
3314	Steel Open Girder/Beam	Corrosion	35 Feet
3348	Reinforced Concrete Column	Exposed Rebar	17 Each
3348	Reinforced Concrete Column	Cracking (RC and Other)	2 Each
3348	Reinforced Concrete Column	Delamination/Spall	102 Each
3350	Reinforced Concrete Abutment	Damage	3 Feet
3350	Reinforced Concrete Abutment	Delamination/Spall	4 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	75 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	8 Feet
3334	Movable Bearing	Corrosion	33 Each
3334	Movable Bearing	Connection	1 Each
3334	Fixed Bearing	Corrosion	25 Each
3353	Reinforced Concrete Approach Slabs	Cracking (RC and Other)	50 Square Feet
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	3 Feet
3318	Reinforced Concrete Bridge Railing	Damage	2 Feet
3318	Reinforced Concrete Bridge Railing	Cracking (RC and Other)	247 Feet
3318	Other Bridge Railing	Distortion	167 Feet
3318	Other Bridge Railing	Cracking	41 Feet
3318	Other Bridge Railing	Damage	157 Feet
3318	Other Bridge Railing	Delamination/Spall	33 Feet
3318	Other Bridge Railing	Cracking (RC and Other)	113 Feet
2816	Wearing Surface	Crack (Wearing Surface)	1504 Square Feet
2816	Wearing Surface	Patched Area/Pothole (Wearing Surface)	1 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	2084 Square Feet

Element Structure Maintenance Quantities

Structure Number: **430057**

Inspection Date **02/13/2019**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	7	148	0	3	10	135
Approaches	3353	Maintenance of Concrete Bridge Approach Slabs	0	3180	0	0	0	3180
Beam	3314	Maintenance Steel Superstructure Components	35	2410	0	35	2335	40
Beam	3342	Clean and Paint Steel	1924	23420	80	705	1139	21496
Bearing Device	3334	Bridge Bearing	59	80	0	59	21	0
Bearing Device	3342	Clean and Paint Steel	160	160	90	56	14	0
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	763	747	0	513	211	23
Bridge Rail	3342	Clean and Paint Steel	0	498	0	0	0	498
Caps	3348	Maintenance of Concrete Substructure	83	337	0	43	91	203
Deck	3326	Maintenance of Concrete Deck	1707	15517	0	288	6089	9140
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	345	0	2	191	152
Footing	3348	Maintenance of Concrete Substructure	0	12	0	0	0	12
Piles and Columns	3348	Maintenance of Concrete Substructure	121	12	0	10	0	2
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	18	0	0	0	18
Wearing Surfaces	2816	Asphalt Surface Repair	1505	13785	0	1501	431	11853

Element Condition and Maintenance Data

Structure Number: **430057**

Inspection Date: **02/13/2019**

Span 1

Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	4,134	432	3,670	32	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	2 SCATTERED 12 FT TRANSVERSE CRACKS UP TO 1/16" IN TOP OF DECK IN WEST BOUND LANES	3	24	24	Square Feet
12	Cracking (RC and Other)	5 FT DIAGONAL CRACK UP TO 1/16" WIDE IN NORTH LANE NEAR END BENT 1 IN WEST BOUND LANES	3	5	5	Square Feet
12	Delamination/Spall	18" DIAMETER X 2" DEEP SPALL WITH EXPOSED REBAR, NO MEASURABLE SECTION LOSS IN BOTTOM OF DECK BAY 9, 20 FT. FROM END BENT 1	3	2	2	Square Feet
12	Delamination/Spall	6" x 6" x 1" SPALL AT MIDSPAN WITH EXPOSED REBAR, NO MEASURABLE SECTION LOSS, AT MIDSPAN IN BAY 7 IN UNDERSIDE OF DECK	3	1	1	Square Feet
12	Cracking (RC and Other)	FULL WIDTH TRANSVERSE HAIRLINE CRACKS SPACED AT 6 FT WITH EFFLORESCENCE IN NORTH OVERHANG, SIMILAR SOUTH OVERHANG BUT TRANSVERSE CRACKS SPACED AT 3 FT	2	30	30	Square Feet
12	Cracking (RC and Other)	TRANSVERSE HAIRLINE CRACKS SPACED AT 4 FT CENTERS IN UNDERSIDE OF DECK IN BAY 7 WITH EFFLORESCENCE	2	35	35	Square Feet
12	Cracking (RC and Other)	TRANSVERSE HAIRLINE CRACKS SPACED AT 9 FT CENTERS IN UNDERSIDE OF DECK IN BAY 5	2	35	35	Square Feet
12	Damage	2 - 2 FT x 6.5 FT WIDE AREA OF HONEY COMBING WITH EXPOSED REBAR NO MEASURABLE SECTION LOSS IN UNDERSIDE OF DECK IN BAY 8 AT BENT 1	2	28		Square Feet
12	Damage	5 FT x 3 FT AREA OF HONEYCOMBING NEAR MIDSPAN OF UNDERSIDE OF BAY 9 WITH EXPOSED REBAR, NO MEASURABLE SECTION LOSS	2	15		Square Feet
12	Delamination/Spall	1 FT x 1 FT DELAMINATION IN UNDERSIDE OF DECK IN BAY 4 AT MIDSPAN	2	1	1	Square Feet
12	Delamination/Spall	SCATTERED AREAS OF DELAMINATION THROUGH OUT SPAN 1 317 SQ. FT. SEE SKETCH IN MOBILE. UNDERSIDE OF DECK TIMBER CRIBBING AT END BENT 1 BAY 8 / SCATTERED PLYWOOD PATCHES LEFT IN PLACE BAY 6 AND 8	2	317		Square Feet
12	Delamination/Spall	SCATTERED HAIRLINE MAP CRACKING THROUGHOUT BAY 3, SIMILAR BAY 2, BAY 4, AND BAY 7,	2	60	60	Square Feet
12	Exposed Rebar	7" x 4" x 2" VOID AT EDGE OF PATCH WITH EXPOSED REBAR, NO MEASURABLE SECTION LOSS IN UNDERSIDE OF DECK IN BAY 8	2	1		Square Feet
12	Patched Areas	12 FT X 3 FT AREA OF SOUND REPAIRS AT END BENT 1 IN WEST BOUND LANES	2			Square Feet
12	Patched Areas	4 FT BY 4 FT OF SOUND REPAIR IN TOP OF DECK IN WEST BOUND LANES AT 20 FT FROM END BENT 1	2	16		Square Feet
12	Patched Areas	4 FT BY 5 FT REPAIR IN TOP OF DECK IN WEST BOUND LANES AT 40 FT FROM END BENT 1 IN NORTH LANE.	2	20		Square Feet
12	Patched Areas	5.5 FT X 3 FT REPAIR AT BENT 1 IN MIDDLE OF WEST BOUND LANE IN TOP OF DECK	2	17		Square Feet
12	Patched Areas	9 FT BY 10 FT REPAIR IN TOP OF DECK IN WEST BOUND LANES AT 50 FT FROM END BENT 1 IN NORTH FACE	2	90		Square Feet
12	Patched Areas	FULL WIDTH SOUND PATCH x 5.5" IN UNDERSIDE OF DECK IN BAY 8 AT BENT 1	2	5		Square Feet
12	Patched Areas	SPAN 1 NEW DECK OVERLAY IN ALL EAST BOUND LANES	2	3,000		Square Feet

General Comments

Span 1		Beam 2					
Plate Girder							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam		63	0	63	0	0 Feet
515	Steel Protective Coating		623	560	63	0	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	SCATTERED SURFACE CORROSION THROUGHOUT FULL LENGTH OF BOTTOM FLANGE WITH NO MEASURABLE SECTION LOSS	2	63		Feet	
515	Effectiveness (Steel Protective Coatings)	63 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	63	63	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	63	0	63	0	0 Feet
515	Steel Protective Coating	623	560	63	0	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED SURFACE CORROSION THROUGHOUT FULL LENGTH OF BOTTOM FLANGE AND SCATTERED SURFACE CORROSION THROUGHOUT LOWER 2" OF WEB x FULL SPAN LENGTH WITH NO MEASURABLE SECTION LOSS	2	63		Feet
515	Effectiveness (Steel Protective Coatings)	63 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	63	63	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	63	0	63	0	0	Feet
515	Steel Protective Coating	623	560	63	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED SURFACE CORROSION THROUGHOUT FULL LENGTH OF BOTTOM FLANGE WITH NO MEASURABLE SECTION LOSS	2	63		Feet
515	Effectiveness (Steel Protective Coatings)	63 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	63	63	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	63	0	63	0	0	Feet
515	Steel Protective Coating	623	560	63	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED SURFACE CORROSION THROUGHOUT FULL LENGTH OF BOTTOM FLANGE WITH NO MEASURABLE SECTION LOSS	2	63		Feet
515	Effectiveness (Steel Protective Coatings)	63 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	63	63	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	63	0	63	0	0	Feet
515	Steel Protective Coating	623	560	60	0	3	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED SURFACE CORROSION THROUGHOUT FULL LENGTH OF BOTTOM FLANGE WITH NO MEASURABLE SECTION LOSS	2	63		Feet
515	Effectiveness (Steel Protective Coatings)	3 SF. OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE AT BENT 1	4	3	3	Square Feet
515	Effectiveness (Steel Protective Coatings)	60 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	60	60	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	63	0	63	0	0	Feet
515	Steel Protective Coating	623	560	60	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	3 FT. OF SURFACE CORROSION ON FLANGES AND WEB AT BENT 1	2	3		Feet
107	Corrosion	60 FT. OF FRECKLED RUST ON FLANGES AND WEB	2	60		Feet
515	Effectiveness (Steel Protective Coatings)	3 SF. OF INEFFECTIVE PROTECTIVE COATING ON FLANGES AND WEB AT BENT 1	3	3	3	Square Feet
515	Effectiveness (Steel Protective Coatings)	60 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	60	60	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	63	0	63	0	0	Feet
515	Steel Protective Coating	623	560	63	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED FRECKLED CORROSION THROUGHOUT FULL LENGTH OF BOTTOM FLANGE WITH NO MEASURABLE SECTION LOSS	2	63		Feet
515	Effectiveness (Steel Protective Coatings)	63 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	63	63	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	63	0	63	0	0	Feet
515	Steel Protective Coating	623	560	63	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED FRECKLED RUST THROUGHOUT FULL LENGTH OF BOTTOM FLANGE WITH NO MEASURABLE SECTION LOSS	2	63		Feet
515	Effectiveness (Steel Protective Coatings)	63 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	63	63	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	63	0	63	0	0	Feet
515	Steel Protective Coating	623	560	0	63	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED SURFACE CORROSION THROUGHOUT LOWER 2" OF WEB x FOR 2 FT AT BENT 1 WITH NO MEASURABLE SECTION LOSS	2			Feet
107	Corrosion	SURFACE CORROSION THROUGHOUT FULL LENGTH OF BOTTOM FLANGE AND SURFACE CORROSION THROUGHOUT LOWER 2" OF WEB x FULL SPAN LENGTH WITH NO MEASURABLE SECTION LOSS	2	63		Feet
515	Effectiveness (Steel Protective Coatings)	63 SF. OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE	3	63	63	Square Feet

General Comments

Span 1**Expansion Joint****Compression Seal**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
302	Compression Joint Seal	69	15	54	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
302	Damage	EAST BOUND LANE UNDER REPAIR	2	35		Feet
302	Seal Cracking	4 FT OF COHESION LOSS, 1/4" DEEP IN WEST BOUND LANE NEAR MEDIAN BARRIER.	2	4		Feet
302	Seal Damage	15 FT OF JOINT REPAIR IN WEST BOUND LANES	2	15		Feet

General Comments

Span 1**Left Bridge Rail****Concrete and Metal Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	66	0	0	66	0	Feet
515	Steel Protective Coating	66	66	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	Cracking	HORIZONTAL CRACKS IN TOP OF RAIL SCATTERED THROUGHOUT FULL LENGTH OF SPAN 1, UP TO 1/8" WIDE	3		30	Feet
333	Cracking (RC and Other)	17 FT. OF HORIZONTAL CRACKS IN TOP OF RAIL, UP TO 1/8" WIDE AT END BENT 1	3	17	17	Feet
333	Cracking (RC and Other)	36 FT. OF HORIZONTAL CRACKS UP TO 1/16" WIDE FROM MIDSPAN TO BENT 1	3	36	36	Feet
333	Damage	25 FT OF IMPACT DAMAGE ON GUARDRAIL AT END BENT 1	3			Feet
333	Damage	5 FT OF MISSING GUARDRAIL AT END BENT 1 IN LEFT BARRIER RAIL (PRIORITY MAINTENANCE ISSUED)	3	5	5	Feet
333	Delamination/Spall	15" X 12" X 4" SPALL IN TOP OF CURB AT END BENT 1	3	2	2	Feet
333	Delamination/Spall	15" X 6" X 3" SPALL WITH EXPOSED REBAR AT BENT 1	3	2	2	Feet
333	Delamination/Spall	4 FT OF DELAMINATION AND SPALL WITH EXPOSED REBAR IN THE OUTSIDE FACE OF POST #6	3	4	4	Feet
333	Delamination/Spall	5" X 5" X 2" SPALL IN BASE OF POST #6 WITH REBAR EXPOSED, NO SECTION LOSS	3			Feet

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333	Cracking	5 SCATTERED VERTICAL HAIRLINE CRACKS IN POST AND RAIL AT MIDSPAN	2	Feet
333	Damage	10 FT OF IMPACT DAMAGE AT 8 FT FROM BENT 1, UP TO 5" OF DEFLECTION	2	Feet
333	Delamination/Spall	4 FT DELAMINATION IN UNSOUND PATCH IN OVERHANG AT MIDSPAN OF LEFT BARRIER RAIL	2	4 Feet
333	Distortion	66 FT. OF IMPACT DAMAGE TO METAL RAIL	2	Feet

General Comments

Span 1 Right Bridge Rail

Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	66	2	39	25	0 Feet
515	Steel Protective Coating	66	66	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Damage	25 FT OF IMPACT DAMAGE IN RAIL AT BENT 1	3	25	25 Feet
333	Cracking	VERTICAL HAIRLINE CRACK IN CURB SPACED AT 5 FT CENTER THROUGHOUT FULL SPAN LENGTH	2	13	Feet
333	Damage	TERMINAL END MISSING AT WEST END OF BRIDGE .	2		Feet
333	Delamination/Spall	10" x 10" DELAMINATION IN CURB AT END BENT 1	2	1	1 Feet
333	Distortion	25 FT. OF GOUGES UP TO 18" X 3" IN METAL RAIL NEAR BENT 1	2	25	Feet

General Comments

Span 1 Median Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	66	0	0	66	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	66 FT. OF HAIRLINE MAP CRACKING WITH EFFLORESCENCE SCATTERED THROUGHOUT	3	66	66 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	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	PACK RUST COMING THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2 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	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PACK RUST COMING THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2	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	2	0	2	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION COMING THROUGHOUT COATING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING	2	2	2	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	2	0	0	0	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION COMING THROUGHOUT COATING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	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	2	0	2	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION COMING THROUGHOUT COATING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING	2	2	2	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	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST COMING THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2 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	0	1	0 Each
515	Steel Protective Coating	2	0	2	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	PACK RUST COMING THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING	2	2	2 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	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION COMING THROUGHOUT COATING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2 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	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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313	Corrosion	SURFACE CORROSION COMING THROUGHOUT COATING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2 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		2	0	0	0	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PACK RUST COMING THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	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	0	1	0	Each
515	Steel Protective Coating		2	0	0	2	0	Square Feet

Element Number	Defect Type		Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PACK RUST COMING THROUGHOUT COATING		3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING		3	2	2	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		2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST COMING THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 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	2	0	2	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION COMING THROUGHOUT COATING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING	2	2	2	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	2	0	0	0	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION COMING THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	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	2	0	2	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION COMING THROUGHOUT COATING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING	2	2	2	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	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION COMING THROUGHOUT COATING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2	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	2	0	2	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION COMING THROUGHOUT COATING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING	2	2	2 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	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION COMING THROUGHOUT COATING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2 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	0	1	0 Each
515	Steel Protective Coating	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	PACK RUST COMING THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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311	Corrosion	PACK RUST COMING THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	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	3,657	2,157	0	1,500	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	1500 SF. OF LONGITUDINAL, DIAGONAL AND TRANSVERSE CRACKING UP TO 1/16" WIDE	3	1,500	1,500	Square Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	4,134	3,827	296	11	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Delamination/Spall	10" DIAMETER x 1" DEEP SPALL IN UNDERSIDE OF DECK ABOVE BAY 4, NEAR A PACTH AT MIDSPAN WITH EXPOSED REBAR BUT NO MEASURABLE SECTION LOSS	3	1	1	Square Feet
12	Delamination/Spall	2.5 FT x 2 FT x 1 FT SPALL IN UNDERSIDE OF DECK IN OVERHANG NEAR GIRDER 1 AT BENT 2, WITH EXPOSED REBAR BUT NO MEASURABLE SECTION LOSS	3	6	6	Square Feet
12	Delamination/Spall	48" X 8" X 2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF DECK BAY 6 AT BENT 2	3	4	4	Square Feet
12	Cracking (RC and Other)	20 SF. OF TRANSVERSE HAIRLINE CRACKING WITH EFFLORESCENCE IN BOTTOM OF DECK BAYS 1-9	2	20	20	Square Feet
12	Cracking (RC and Other)	HAIRLINE TRANSVERSE CRACKS SPACED AT 4 FT IN BOTH OVERHANGS UP TO FULL OVERHANG WIDTH	2	135	135	Square Feet
12	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKING THROUGHOUT ALL BAYS IN UNDERSIDE OF DECK IN SPAN 2	2	135	135	Square Feet
12	Delamination/Spall	2 - 1 FT x 4" x 1/2" DEEP SPALLS AROUND PATCH UNDERSIDE OF DECK ABOVE BAY 6 NEAR BENT 2	2	2	2	Square Feet
12	Patched Areas	4 SF. OF PATCHED AREAS IN BOTTOM OF DECK BAYS 1-9	2	4		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	65	0	65	0	0	Feet
515	Steel Protective Coating	641	576	0	65	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED FRECKLED RUST ON FULL HEIGHT OF WEB THROUGHOUT FULL SPAN LENGTH. SURFACE CORROSION ON LOWER 8" OF WEB ALONG FULL SPAN LENGTH, NO MEASURABLE SECTION LOSS	2			Feet
107	Corrosion	SURFACE CORROSION ON BOTTOM FLANGE ALONG FULL LENGTH, NO MEASURABLE SECTION LOSS	2	65		Feet

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107	Corrosion	SURFACE CORROSION ON FULL HEIGHT OF WEB FOR 10" LONG AT BENT 1 WITH NO MEASURABLE SECTION LOSS IN BAY 1 SIDE	2			Feet
107	Corrosion	SURFACE CORROSION ON FULL HEIGHT OF WEB FOR 30" LONG AT BENT 1 WITH NO MEASURABLE SECTION LOSS. SURFACE CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB THROUGHOUT FULL SPAN LENGTH ON OUTSIDE GIRDER FACE	2			Feet
515	Effectiveness (Steel Protective Coatings)	65 SF. OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE	3	65	65	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	65	0	65	0	0 Feet
515	Steel Protective Coating	641	576	65	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SCATTERED SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL SPAN LENGTH. SCATTERED FRECKLED SURFACE CORROSION IN LOWER 18" OF WEB FOR 6 FT LONG AT BENT 2, NO MEASURABLE SECTION LOSS	2	65	Feet
107	Corrosion	SURFACE CORROSION ON BOTTOM FLANGE FOR 4 FT LONG AT BENT 1 WITH NO MEASURABLE SECTION LOSS	2		Feet
107	Corrosion	SURFACE CORROSION ON LOWER 2" OF WEB FOR FULL SPAN LENGTH AT BENT 1 WITH NO MEASURABLE SECTION LOSS	2		Feet
515	Effectiveness (Steel Protective Coatings)	65 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	65	65 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	65	0	65	0	0 Feet
515	Steel Protective Coating	641	576	65	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SCATTERED SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL SPAN LENGTH. SCATTERED FRECKLED SURFACE CORROSION IN LOWER 18" OF WEB FOR 6 FT LONG AT BENT 2, NO MEASURABLE SECTION LOSS	2	65	Feet
107	Corrosion	SURFACE CORROSION ON FULL HEIGHT OF WEB FOR 10" LONG AT BENT 1 WITH NO MEASURABLE SECTION LOSS	2		Feet
515	Effectiveness (Steel Protective Coatings)	65 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	65	65 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	65	0	65	0	0	Feet
515	Steel Protective Coating	641	576	65	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL SPAN LENGTH. SURFACE CORROSION IN FULL HEIGHT OF WEB FOR 2 FT LONG AT BENT 2, NO MEASURABLE SECTION LOSS	2	65		Feet
107	Corrosion	SURFACE CORROSION ON FULL HEIGHT OF WEB FOR 10" LONG AT BENT 1 WITH NO MEASURABLE SECTION LOSS	2			Feet
515	Effectiveness (Steel Protective Coatings)	65 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	65	65	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	65	0	65	0	0	Feet
515	Steel Protective Coating	641	576	0	65	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL SPAN LENGTH. SCATTERED SURFACE CORROSION IN LOWER 10" OF WEB FOR FULL SPAN LENGTH WITH NO MEASURABLE SECTION LOSS.	2	62		Feet
107	Corrosion	SURFACE CORROSION ON BOTTOM FLANGE FOR 3 FT LONG AT BENT 1 WITH NO MEASURABLE SECTION LOSS	2	3		Feet
107	Corrosion	SURFACE CORROSION ON FULL HEIGHT OF WEB FOR 10" LONG AT BENT 1 WITH NO MEASURABLE SECTION LOSS	2			Feet
107	Corrosion	SURFACE CORROSION ON TOP FLANGE FOR 15 FT LONG AT MIDSPAN EDGE WITH NO MEASURABLE SECTION LOSS	2			Feet
515	Effectiveness (Steel Protective Coatings)	SCATTERED INEFFECTIVE PROTECTIVE COATING ON FLANGES AND WEB THROUGHOUT FULL SPAN LENGTH	3	65	65	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	65	0	65	0	0	Feet
515	Steel Protective Coating	641	633	0	8	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION IN LOWER 6" OF WEB FOR 7 FT LONG AT BENT 2, WITH NO MEASURABLE SECTION LOSS.	2			Feet
107	Corrosion	SURFACE CORROSION ON BOTTOM FLANGE FOR 3 FT LONG AT BENT 1 WITH NO MEASURABLE SECTION LOSS	2			Feet
107	Corrosion	SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL SPAN LENGTH WITH NO MEASURABLE SECTION LOSS.	2	64		Feet
107	Corrosion	SURFACE CORROSION ON FULL HEIGHT OF WEB FOR 10"	2	1		Feet

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107	Corrosion	LONG AT BENT 1 WITH NO MEASURABLE SECTION LOSS SURFACE CORROSION ON TOP FLANGE FOR 15 FT LONG AT MIDSPAN EDGE WITH NO MEASURABLE SECTION LOSS	2			Feet
515	Effectiveness (Steel Protective Coatings)	1 SF. OF INEFFECTIVE PROTECTIVE COATING ON FLANGES AND WEB AT BENT 1	3	1	1	Square Feet
515	Effectiveness (Steel Protective Coatings)	7 SF. OF INEFFECTIVE PROTECTIVE COATING ON FLANGES AND WEB AT BENT 2	3	7	7	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	65	0	65	0	0 Feet
515	Steel Protective Coating	641	576	65	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	FRECKLED RUST ON BOTTOM FLANGE THROUGHOUT FULL SPAN LENGTH WITH NO MEASURABLE SECTION LOSS	2	65	Feet
107	Corrosion	SURFACE CORROSION IN FULL HEIGHT OF WEB AND BOTTOM FLANGES FOR 1 FT LONG AT BENT 2 BEARING WITH NO MEASURABLE SECTION LOSS.	2		Feet
107	Corrosion	SURFACE CORROSION ON FULL HEIGHT OF WEB FOR 10" LONG AT BENT 1 AND THEN FRECKLED RUST FOR 7 FT WITH NO MEASURABLE SECTION LOSS	2		Feet
515	Effectiveness (Steel Protective Coatings)	65 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	65	65 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	65	0	65	0	0 Feet
515	Steel Protective Coating	641	576	65	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SCATTERED SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL SPAN LENGTH WITH NO MEASURABLE SECTION LOSS	2	62	Feet
107	Corrosion	SURFACE CORROSION ON LOWER 4" OF WEB FOR 3 FT LONG AT BENT 1 WITH NO MEASURABLE SECTION LOSS	2	3	Feet
515	Effectiveness (Steel Protective Coatings)	65 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	65	65 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	65	0	65	0	0 Feet
515	Steel Protective Coating	641	576	65	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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107	Corrosion	SCATTERED FRECKLED RUST ON FULL HEIGHT OF WEB FOR 7 FT LONG AT BENT 1 WITH NO MEASURABLE SECTION LOSS	2	7	Feet
107	Corrosion	SCATTERED SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL SPAN LENGTH WITH NO MEASURABLE SECTION LOSS	2	58	Feet
515	Effectiveness (Steel Protective Coatings)	65 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	65	65 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	65	0	65	0	0 Feet
515	Steel Protective Coating	641	571	0	70	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SCATTERED SURFACE CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB THROUGHOUT FULL SPAN LENGTH WITH NO MEASURABLE SECTION LOSS.	2	60	Feet
107	Corrosion	SURFACE CORROSION ON FULL HEIGHT OF WEB FOR 5 FT LONG AT BENT 1 WITH NO MEASURABLE SECTION LOSS	2	5	Feet
515	Effectiveness (Steel Protective Coatings)	5 SF. OF INEFFECTIVE PROTECTIVE COATING ON FLANGES AND WEB AT BENT 1	3	5	5 Square Feet
515	Effectiveness (Steel Protective Coatings)	65 SF. OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE	3	65	65 Square Feet

General Comments**Span 2****Expansion Joint****Compression Seal**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
302	Compression Joint Seal	69	63	6	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
302	Damage	5.5 FT SOUND REPAIR AT JOINT OVER BENT 1	2	6	Feet
302	Damage	BENT 1 EASTBOUND JOINT UNDER REPAIR	2		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	66	0	0	66	0 Feet
515	Steel Protective Coating	66	66	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Cracking	RAIL POSTS CRACKED ALONG FULL HEIGHT UP TO 1/16"	3		10 Feet
333	Cracking (RC and Other)	33 FT LONGITUDINAL CRACK IN TOP FACE OF RAIL UP TO 1/8" WIDE AT BENT 1 AND 8 FT FROM BENT 2	3		33 Feet
333	Cracking (RC and Other)	SCATTERED TRANSVERSE HAIRLINE CRACKS THROUGHOUT CURB	3		15 Feet
333	Delamination/Spall	12" X 4" X 2" DEEP SPALL NEAR BENT 1	3		1 Feet

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333	Delamination/Spall	7" X 2" X 2" SPALL WITH EXPOSED REBAR IN RAIL POST	3		1 Feet
333	Delamination/Spall	SCATTERED SPALLS UP TO 14" X 5" X 4" WITH EXPOSED REBARS AT 16 FT AND 33 FT FROM BENT 1 IN TOP OF RAIL	3		3 Feet
333	Distortion	FULL LENGTH OF IMPACT DAMAGE ON GUARDRAIL ATTACHMENT, BROKEN AND INNEFFECTIVE (PRIORITY MAINTENANCE ISSUED)	3	66	66 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	66	21	39	6	0 Feet
515	Steel Protective Coating	66	66	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Cracking	1/16" WIDE CRACK IN THE 8TH POST	3	1	1 Feet
333	Damage	4 FT LONG IMPACT DAMAGE AT 6 FT FROM BENT 1	3	4	4 Feet
333	Delamination/Spall	2" x 1" x 1" SPALL WITH EXPOSED REBAR BUT NO SECTION LOSS, IN 7TH POST WITH 1/16" WIDE CRACK GOING THROUGH	3	1	1 Feet
333	Cracking (RC and Other)	12 FT. OF TRANSVERSE HAIRLINE CRACKS AND ABRASION WITH EXPOSED COARSE AGGREGATE AT MIDSPAN	2	12	12 Feet
333	Delamination/Spall	17 FT OF RAIL WITH SCATTERED SPALLS UP TO 4" x 4" x 3/4" WITH EXPOSED REBARS BUT NO SECTION LOSS AT 49 FT FROM END BENT 1	2	17	Feet
333	Delamination/Spall	2 - 2" x 2" x 1/2" SPALLS WITH EXPOSED REBARS ON THIRD POST, NO SECTION LOSS	2	2	2 Feet
333	Distortion	8 FT. OF GOUGES UP TO 18" X 2" IN METAL RAIL NEAR BENT 1	2	8	Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	66	0	0	66	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	HAIRLINE MAP CRACKING SCATTERED THROUGHOUT WITH EFFLORESCENCE ON BOTH SIDE OF BARRIER	3	64	64 Feet
331	Damage	26" x 12" IMPACT DAMAGE AT MIDSPAN, TOP OF RAIL IS CRACKED, 1/2" PENETRATION x 1/8" WIDE IN EASTBOUND FACE	3	2	2 Feet

General Comments

Span 2**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	2	0	0	0	2	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
313	Corrosion	PACK RUST COMING THROUGHOUT COATING	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	Square Feet	
General Comments							

Span 2**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	2	0	0	0	2	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	Square Feet	
General Comments							

Span 2**Near Bearing****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
313	Corrosion	SURFACE CORROSION COMING THROUGHOUT COATING	2	1		Each	
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2	Square Feet	
General Comments							

Span 2**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	2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2	Square Feet	

General Comments**Span 2 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	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	PACK RUST COMING THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2 Square Feet

General Comments**Span 2 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	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2 Square Feet

General Comments**Span 2 Near Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION COMING THROUGHOUT COATING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2 Square Feet

General Comments**Span 2 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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments

Fixed Bearing

515	Steel Protective Coating	2	0	0	2	0	Square Feet
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General Comments

Movable Bearing

515	Steel Protective Coating	2	0	0	0	2 Square Feet
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General Comments

Fixed Bearing

515	Steel Protective Coating	2	0	0	0	2	Square Feet
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General Comments

Span 2 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	2	0	0	0	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	Square Feet

General Comments

Span 2 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	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PACK RUST COMING THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2	Square Feet

General Comments

Span 2 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	2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2	Square Feet

General Comments

Span 2 Near Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION COMING THROUGHOUT COATING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2	Square Feet

General Comments**Span 2 Far Bearing****Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION	2	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2 Square Feet

General Comments**Span 2 Near Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION COMING THROUGHOUT COATING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2 Square Feet

General Comments**Span 2 Far Bearing****Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION COMIN THROUGHOUT COATING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2 Square Feet

General Comments**Span 2 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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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313	Corrosion	PACK RUST COMING THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	Square Feet
General Comments						

Span 2 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	2	0	0	2	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2	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	3,657	3,520	137	0	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	SCATTERED TRANSVERSE HAIRLINE CRACKS THROUGHOUT TOP OF DECK	2	110		Square Feet
510	Damage	9 FT BY 1 FT AREA OF GOUGES IN DECK NEAR BENT 1 IN TOP OF DECK IN WEST BOUND LANES	2	9		Square Feet
510	Patched Area/Pothole (Wearing Surface)	1 FT BY 4 FT AREA OF SOUND REPAIR AT MIDSPAN IN TOP OF DECK IN WEST BOUND LANES	2	4		Square Feet
510	Patched Area/Pothole (Wearing Surface)	3 FT BY 4.5 FT OF SOUND REPAIR AT BENT 2 IN TOP OF DECK IN WEST BOUND LANE	2	14		Square Feet
General Comments						

Span 3 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	4,069	2,154	1,752	163	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	15 SF. SCATTERED HAIRLINE MAP CRACKING THROUGHOUT BOTTOM OF DECK IN EACH BAYS 1, 2, 3, 4, 5, 6, 7, 8 AND 9. 10 FT x 1 FT AREA WITH EFFLORESCENCE NEAR BENT 2 IN BAY 1.	3	135	135	Square Feet
12	Delamination/Spall	10" x 6" x 1" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF DECK IN BAY 3 AT BENT 2, NO MEASURABLE SECTION LOSS	3	1	1	Square Feet
12	Delamination/Spall	12" X 12" SPALL WITH EXPOSED REBAR IN BOTTOM OF DECK NORTH OVERHANG AT BENT 2, NO MEASURABLE SECTION LOSS	3	1	1	Square Feet
12	Delamination/Spall	16" x 12" x 2" SPALL WITH EXPOSED REBAR IN NORTH OVERHANG AT BENT 2, NO MEASURABLE SECTION LOSS	3	2	2	Square Feet
12	Delamination/Spall	2 SPALLS IN UNDERSIDE OF DECK NEAR GIRDER 8 AT BENT 2, ONE IS 18" x 10" x 2.5" DEEP WITH EXPOSED	3	4	4	Square Feet

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		REBAR AND NO MEASURABLE SECTION LOSS. SECOND SPALL IS 2 FT x 3" x 1" DEEP WITH NO EXPOSED REBAR.			
12	Delamination/Spall	2.5 FT x 10" x 6" SPALL IN UNDERSIDE OF DECK NEAR GIRDER 1 AT BENT 2 WITH EXPOSED REBAR, NO MEASURABLE SECTION LOSS	3	3	3 Square Feet
12	Delamination/Spall	24" X 9" X 4" DEEP SPALL IN EDGE OF DECK NORTH OVERHANG AT BENT 2	3	2	2 Square Feet
12	Delamination/Spall	36" X 11" X 3" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF DECK BAY 8 AT BENT 3, NO MEASURABLE SECTION LOSS	3	3	3 Square Feet
12	Delamination/Spall	36" X 8" X 3" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF DECK BAY 1 AT BENT 2, NO MEASURABLE SECTION LOSS	3	3	3 Square Feet
12	Delamination/Spall	78" X 12" X 3" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF DECK BAY 7 AT BENT 2, NO MEASURABLE SECTION LOSS	3	7	7 Square Feet
12	Delamination/Spall	8" X 8" X 2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF DECK BAY 2 AT BENT 2, NO MEASURABLE SECTION LOSS	3	1	1 Square Feet
12	Exposed Rebar	12" X 12" X 3" DEEP SPALL WITH EXPOSED BROKEN REBAR IN BOTTOM OF SOUTH OVERHANG AT BENT 3	3	1	1 Square Feet
12	Cracking (RC and Other)	SCATTERED CRACKING THROUGH OUT 980'	2	980	Square Feet
12	Cracking (RC and Other)	TRANSVERSE HAIRLINE CRACKS ALONG FULL OVERHANG WIDTH SCATTERED AT 5 FT SPACING ALONG FULL LENGTH OF SPAN, IN BOTH SOUTH AND NORTH OVERHANGS IN UNDERSIDE OF DECK	2	104	104 Square Feet
12	Delamination/Spall	SCATTERED AREAS OF DELAMINATION WITH ON SPALL AT INT. BENT 2 LEFT LANE 6'X2'. TOATAL 560 SQ. FT. SEE SKETCH IN MOBILE	2	560	528 Square Feet
12	Patched Areas	48 SF. OF PATCHED AREAS IN BOTTOM OF DECK BAYS 1-9	2	48	Square Feet
12	Patched Areas	TWO PATCHES IN THE EAST BOUND LANES : 8'X6' / 4' X 3' / 4 PATCHES IN THE WEST BOUND LANES 4'X 2' / 2'X2' / SEE SKETCH IN MOBILE	2	60	Square Feet

General Comments

Span 3 Expansion Joint

Compression Seal

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
302	Compression Joint Seal	69	53	14	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
302	Seal Adhesion	2 FT ADHESION LOSS UP TO 1/4" DEEP IN JOINT 2 IN WEST BOUND LANES	3	2	Feet
302	Damage	5 FT AND 9 FT LONG REPAIRS SCATTERED IN WEST BOUND LANES	2	14	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	65	0	65	0	0 Feet
515	Steel Protective Coating	641	576	0	62	3 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	FULL HEIGHT OF SURFACE CORROSION ON WEB FOR 10" LONG x 7" TALL FOR 2 FT AT BENT 3, NO MEASURABLE SECTION LOSS	2	2	Feet

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107	Corrosion	FULL HEIGHT SURFACE CORROSION ON WEB FOR 10" LONG AT BENT 3 BEARING, NO MEASURABLE SECTION LOSS	2	1	Feet
107	Corrosion	SCATTERED SURFACE CORROSION IN WEB AT BENT 2 THROUGHOUT FULL LENGTH, NO MEASURABLE SECTION LOSS	2		Feet
107	Corrosion	SCATTERED SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL LENGTH OF SPAN, NO MEASURABLE SECTION LOSS	2	62	Feet
515	Effectiveness (Steel Protective Coatings)	3 SF. OF INEFFECTIVE PROTECTIVE COATING ON LOWER WEB AND BOTTOM FLANGE AT BENT 3	4	3	3 Square Feet
515	Effectiveness (Steel Protective Coatings)	62 SF. OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE	3	62	62 Square Feet

General Comments

SURFACE CORROSION ON END DIAPHRAGM BAY 1 AT BENT 3

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	65	0	64	1	0 Feet
515	Steel Protective Coating	641	637	0	0	4 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1 FT LONG SURFACE CORROSION ON BOTTOM FLANGE AT BENT 3, 0.5" REMAINING THICKNESS x FULL WIDTH IN BOTTOM FLANGE	3	1	Feet
107	Corrosion	1 FT OF SURFACE CORROSION IN WEB AT BENT 2 FOR FULL HEIGHT, NO MEASURABLE SECTION LOSS	2		Feet
107	Corrosion	4 FT. x 10" TALL SURFACE CORROSION IN LOWER WEB AT BENT 3, NO MEASURABLE SECTION LOSS	2	4	Feet
107	Corrosion	SURFACE CORROSION SCATTERED THROUGHOUT FULL LENGTH ON BOTH SIDE OF BOTTOM FLANGE	2	60	Feet
515	Effectiveness (Steel Protective Coatings)	3 SF. OF INEFFECTIVE PROTECTIVE COATING ON LOWER WEB AND BOTTOM FLANGE AT BENT 3	4	4	4 Square Feet

General Comments

SURFACE CORROSION ON END DIAPHRAGM BAY 2 AT BENT 3

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	65	0	65	0	0 Feet
515	Steel Protective Coating	641	640	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	3 FT LONG x 18" HIGH AREA OF SURFACE CORROSION ON WEB AT BENT 2 ON BOTH FACES, NO MEASURABLE SECTION LOSS	2	3	Feet
107	Corrosion	6 FT x 6" OF SURFACE CORROSION IN WEB AND BOTTOM FLANGE AT BENT 3, SCATTERED FRECKLED RUST FOR THE REST OF SPAN LENGTH, NO MEASURABLE SECTION LOSS	2	6	Feet
107	Corrosion	SCATTERED SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL LENGTH, NO MEASURABLE SECTION LOSS	2	56	Feet
515	Effectiveness (Steel Protective Coatings)	1 SF. OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE AT BENT 3	4	1	1 Square Feet

General Comments

SURFACE CORROSION ON END DIAPHRAGM BAY 3 AT BENT 3

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	65	0	65	0	0	Feet
515	Steel Protective Coating	641	631	0	2	8	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	6 FT LONG x 17" HIGH AREA OF SURFACE CORROSION ON FLANGES AND WEB AT BENT 2, NO MEASURABLE SECTION LOSS	2	6		Feet
107	Corrosion	8 FT x 7" TALL OF SURFACE CORROSION IN LOWER WEB AT BENT 3, NO MEASURABLE SECTION LOSS	2	8		Feet
107	Corrosion	SURFACE CORROSION SCATTERED THROUGHOUT FULL SPAN IN BOTTOM FLANGE, NO MEASURABLE SECTION LOSS	2	51		Feet
515	Effectiveness (Steel Protective Coatings)	4 SF. OF INEFFECTIVE PROTECTIVE COATING ON LOWER WEB AND BOTTOM FLANGE AT BENT 3	4	8	8	Square Feet
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING ON FLANGES AND WEB AT BENT 2	3	2	2	Square Feet

General Comments

SURFACE CORROSION ON END DIAPHRAGM BAY 4 AT BENT 3

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	65	0	57	8	0	Feet
515	Steel Protective Coating	641	624	0	11	6	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	2 FT CORROSION WITH SECTION LOSS x FULL WIDTH ON BOTTOM FLANGE, 0.6" THICKNESS REMAINS AT BENT 3	3	2	2	Feet
107	Corrosion	6 FT. OF CORROSION WITH 0.4" REMAINING THICKNESS IN STIFFNER AND 3/4" REMAINING SECTION IN BOTTOM FLANGE AT BENT 2 (PRIORITY MAINTENANCE ISSUED)	3	6	6	Feet
107	Corrosion	BEARING STIFFNER HAS SECTION LOSS FOR 5" TALL x FULL WIDTH, 0.1" THICKNESS REMAINS AT BENT 3. PRIORITY MAINTENANCE ISSUED	3		1	Feet
107	Corrosion	10.5 FT x 1 FT CORROSION IN LOWER PART OF WEB AT BENT 3, NO MEASURABLE SECTION LOSS.	2	11		Feet
107	Corrosion	20" x 5" AREA OF SURFACE CORROSION IN WEB AT BENT 2, NO MEASURABLE SECTION LOSS	2			Feet
107	Corrosion	SURFACE CORROSION SCATTERED THROUGHOUT FULL LENGTH OF BOTTOM FLANGE, NO MEASURABLE SECTION LOSS	2	46		Feet
515	Effectiveness (Steel Protective Coatings)	6 SF. OF INEFFECTIVE PROTECTIVE COATING ON LOWER WEB AND BOTTOM FLANGE AT BENT 2	4	6	6	Square Feet
515	Effectiveness (Steel Protective Coatings)	10.5 SF. OF INEFFECTIVE PROTECTIVE COATING ON FLANGES AND WEB AT BENT 3	3	11	11	Square Feet

General Comments

SURFACE CORROSION ON END DIAPHRAGM BAY 5 AT BENT 3

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	65	40	20	5	0 Feet
515	Steel Protective Coating	641	619	0	0	22 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	2 FT. OF SURFACE CORROSION x FULL WIDTH, 0.45" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED)	3	2	2 Feet
107	Corrosion	3 FT. x FULL WIDTH OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND 2.5" X 1" HOLE IN BEARING STIFFENER AT BENT 2 (PRIORITY MAINTENANCE ISSUED)	3	3	3 Feet
107	Corrosion	1 FT x FULL HEIGHT SURFACE CORROSION IN WEB AT BENT 2, NO MEASURABLE SECTION LOSS	2	1	Feet
107	Corrosion	18.5 FT OF SURFACE CORROSION ON BOTTOM FLANGE, AT 2 FT FROM BENT 3, NO MEASURABLE SECTION LOSS	2	19	Feet
107	Corrosion	SURFACE CORROSION IN WEB FOR 8 FT x 9" HIGH IN LOWER WEB, NO MEASURABLE SECTION LOSS AT BENT 3	2		Feet
515	Effectiveness (Steel Protective Coatings)	18.5 SF. OF INEFFECTIVE PROTECTIVE COATING ON LOWER WEB AND BOTTOM FLANGE AT BENT 3	4	19	19 Square Feet
515	Effectiveness (Steel Protective Coatings)	3 SF. OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE AT BENT 2	4	3	3 Square Feet

General Comments

SURFACE CORROSION ON END DIAPHRAGM BAY 6 AT BENT 3

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	65	0	64	1	0 Feet
515	Steel Protective Coating	641	640	0	0	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1 FT. x FULL WIDTH OF CORROSION WITH 0.65" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3	3	1	Feet
107	Corrosion	1 FT x FULL HEIGHT SURFACE CORROSION IN WEB AT BENT 2, NO MEASURABLE SECTION LOSS	2	1	Feet
107	Corrosion	SCATTERED SURFACE CORROSION THROUGHOUT FULL LENGTH OF SPAN IN BOTTOM FLANGE ON BOTH SIDES, NO MEASURABLE SECTION LOSS	2	61	Feet
107	Corrosion	SURFACE CORROSION ON WEB FOR 2 FT x 1 FT HIGH AT BENT 3, NO MEASURABLE SECTION LOSS	2	2	Feet
515	Effectiveness (Steel Protective Coatings)	1 SF. OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE AT BENT 3	4	1	1 Square Feet

General Comments

SURFACE CORROSION ON END DIAPHRAGM BAY 7 AT BENT 3

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	65	0	65	0	0 Feet
515	Steel Protective Coating	641	639	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1 FT x 6" TALL AREA OF SURFACE CORROSION IN WEB AT BENT 2, NO MEASURABLE SECTION LOSS	2	1	Feet
107	Corrosion	6 FT. OF SURFACE CORROSION IN BOTTOM FLANGE AND 6 FT x 1 FT AREA IN WEB AT BENT 3, NO MEASURABLE SECTION LOSS	2	6	Feet
107	Corrosion	SCATTERED SURFACE CORROSION FROM BENT 2 TO 6 FT FROM BENT 3, NO MEASURABLE SECTION LOSS	2	58	Feet
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE AT BENT 3	4	2	2 Square Feet

General Comments

SURFACE CORROSION ON END DIAPHRAGM BAY 8 AT BENT 3

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	65	0	65	0	0 Feet
515	Steel Protective Coating	641	637	0	0	4 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1 FT x FULL HEIGHT OF FRECKLED CORROSION IN WEB AT BENT 2, NO MEASURABLE SECTION LOSS	2	1	Feet
107	Corrosion	3 FT. OF SURFACE CORROSION IN WEB FOR 15" TALL DOWN TO 4" TALL UNTIL MIDSPAN, NO MEASURABLE SECTION LOSS	2	3	Feet
107	Corrosion	SCATTERED SURFACE CORROSION IN BOTTOM FLANGE THROUGHOUT FULL LENGTH, NO MEASURABLE SECTION LOSS	2	61	Feet
515	Effectiveness (Steel Protective Coatings)	4 SF. OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE AT BENT 3	4	4	4 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	65	0	65	0	0 Feet
515	Steel Protective Coating	641	576	0	64	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1 FT. x FULL HEIGHT OF CORROSION WITH 9/16" REMAINING THICKNESS IN WEB AT END DIAPHRAGM AT BENT 3	2	1	Feet
107	Corrosion	3 FT x 6" HIGH AREA OF SURFACE CORROSION IN WEB AT BENT 2, NO MEASURABLE SECTION LOSS	2	3	Feet
107	Corrosion	SCATTERED FRECKLED SURFACE CORROSION IN BOTTOM FLANGE THROUGHOUT FULL LENGTH AND LOWER 6" OF WEB, NO MEASURABLE SECTION LOSS	2		Feet
107	Corrosion	SURFACE CORROSION IN BOTTOM FLANGE SCATTERED THROUGHOUT ENTIRE LENGTH. FULL HEIGHT SURFACE	2	61	Feet

		CORROSION AT BENT 3 FOR 1.5 FT DOWN TO 4" HIGH IN LOWER WEB FOR THE REST THE SPAN LENGTH, NO MEASURABLE SECTION LOSS			
515	Effectiveness (Steel Protective Coatings)	1 SF. OF INEFFECTIVE PROTECTIVE COATING ON WEB AROUND END DIAPHRAGM AT BENT 3	4	1	1 Square Feet
515	Effectiveness (Steel Protective Coatings)	64 SF. OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE	3	64	64 Square Feet

General Comments

Span 3 Left Bridge Rail

Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
333	Other Bridge Railing	66	0	0	66	0 Feet
515	Steel Protective Coating	66	66	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Delamination/Spall	10" X 5" X 1" SPALL IN TOP OF RAIL AT MIDSPAN, NO EXPOSED REBAR	3		1 Feet
333	Delamination/Spall	18" X 3" WIDE X 1" DEEP SPALL IN CURB AT 8 FT FROM BENT 3, NO EXPOSED REBAR	3		2 Feet
333	Delamination/Spall	18" X 4" X 1 1/2" DEEP SPALL WITH EXPOSED REBAR AT 8 FT FROM BENT 3 WITH 4 FT HORIZONTAL CRACK UP TO 1/8" WIDE, NO MEASURABLE SECTION LOSS	3		2 Feet
333	Delamination/Spall	5 FT X 5" WIDE X 1" DEEP SPALL IN CURB AT 15 FT FROM BENT 2, NO EXPOSED REBAR	3		5 Feet
333	Distortion	66 FT. OF MODERATE IMPACT DAMAGE TO METAL RAIL AND POST	3	66	66 Feet
333	Cracking (RC and Other)	HORIZONTAL HAIRLINE CRACKS THROUGHOUT ENTIRE LENGTH OF CURB	2		Feet
333	Delamination/Spall	18" X 6" x 1" DEEP SPALL IN TOP OF RAIL AT 7 FT FROM BENT 2 WHERE POST MEETS, NO EXPOSED REBAR	2		1 Feet
333	Delamination/Spall	HORIZONTAL HAIRLINE CRACKS FOR 15 FT LONG IN TOP OF RAIL AT 48 FT FROM BENT 2	2		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	66	0	66	0	0 Feet
515	Steel Protective Coating	66	66	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
333	Cracking	6" VERTICAL HORIZONTAL HAIRLINE CRACK IN OUTSIDE EDGE OF CURB AT 16 FT FROM END BENT 2 AND ANOTHER 16 FT FROM BENT 3	2		Feet
333	Damage	IMPACT DAMAGE TO RIGHT GUARDRAIL FOR FULL LENGTH OF SPAN 3, CONCRETE BARRIER RAIL BEHIND IS FULLY FUNCTIONING	2	66	66 Feet

General Comments

Span 3**Median Rail****Concrete Railing**

Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing		66	0	0	66	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	HAIRLINE MAP CRACKING WITH EFFLORESCENCE THROUGHOUT FULL LENGTH OF SPAN ON BOTH SIDES	3	63	66 Feet
331	Delamination/Spall	3 FT X 1.5 FT TALL X 6" DEEP SPALL IN TOP OF BARRIER RAIL WITH EXPOSED REBAR IN MIDSPAN 3, NO MEASURABLE SECTION LOSS	3	3	3 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		2	0	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2	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		2	0	0	0	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	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	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2 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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 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	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2 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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 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	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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313	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2	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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 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	2	0	0	0	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	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	2	0	0	0	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	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	2	0	0	0	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	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	2	0	0	0	2	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION PRESENT THROUGHOUT COATING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION PRESENT THROUGHOUT COATING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	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	2	0	0	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2 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	2	0	0	0	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 Square Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	3,657	3,379	278	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	TRANSVERSE HAIRLINE CRACK, 4 FT LONG IN NORTH LANE AT 8 FT FROM BENT 3 IN TOP OF DECK IN WEST BOUND LANES	2	4	4 Square Feet
510	Patched Area/Pothole (Wearing Surface)	14 FT BY 9 FT OF SOUND REPAIR AND 4 FT BY 3 FT AREA OF SOUND REPAIR AT BENT 3 IN NORTH LANE IN TOP OF DECK IN WEST BOUND LANES	2	146	Square Feet
510	Patched Area/Pothole (Wearing Surface)	2 - 2 FT BY 2 FT SOUND REPAIR AT 8 FT FROM BENT 2 IN TOP OF DECK IN WEST BOUND LANES	2	8	Square Feet
510	Patched Area/Pothole (Wearing Surface)	3 FT BY 2 FT AREA OF SOUND REPAIR AT 48 FT FROM BENT 2 IN TOP OF DECK IN WEST BOUND LANES AT CENTERLINE OF SPAN	2	6	Square Feet
510	Patched Area/Pothole (Wearing Surface)	3 FT BY 3 FT SOUND REPAIR AT MIDSPAN IN TOP OF DECK IN WEST BOUND LANES AT NORTH LANE	2	9	Square Feet
510	Patched Area/Pothole (Wearing Surface)	3 FT BY 4 FT SOUND REPAIR AND 3 FT BY 3 FT SOUND REPAIR AT 49 FT FROM BENT 2 IN TOP OF DECK IN WEST BOUND LANES IN NORTH LANE	2	22	Square Feet

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510	Patched Area/Pothole (Wearing Surface)	4 FT BY 4 FT SOUND REPAIR AT 10 FT FROM BENT 2 AT CENTERLINE OF SPAN IN TOP OF DECK IN WEST BOUND LANES	2	16	Square Feet
510	Patched Area/Pothole (Wearing Surface)	5 FT BY 5 FT SOUND REPAIR AT MIDSPAN IN TOP OF DECK IN WEST BOUND LANES AT CENTERLINE OF SPAN	2	25	Square Feet
510	Patched Area/Pothole (Wearing Surface)	6 FT BY 5 FT REPAIR AND, 2 FT BY 6 FT REPAIR AT BENT 2 IN TOP OF DECK IN WEST BOUND LANES	2	42	Square Feet

General Comments**Span 4****Deck****Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	3,180	2,727	371	82	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	7 FT x 6 FT AREA OF 1/16" WIDE MAP CRACKING IN UNDERSIDE OF DECK IN BAY 8 WITH EFFLORESCENCE AT MIDSPAN	3	42	42	Square Feet
12	Delamination/Spall	2 - 6" DIAMETER x 2" DEEP SPALLS, NO EXPOSED REBAR, IN BAY 4 UNDERSIDE OF DECK NEAR GIRDER 5 AT 3 FT FROM END BENT 2, NO MEASURABLE SECTION LOSS	3	4	4	Square Feet
12	Delamination/Spall	22" X 11" X 1" DEEP SPALL IN BOTTOM OF DECK AT END OF BAY 2 AT BENT 3, NO EXPOSED REBAR	3	2	2	Square Feet
12	Delamination/Spall	24" X 6" X 3" DEEP SPALL IN BOTTOM OF DECK BAY 9 AT BENT 3, NO EXPOSED REBAR	3	2	2	Square Feet
12	Delamination/Spall	30" X 12 X 1" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF DECK BAY 8 AT BENT 3, NO MEASURABLE SECTION LOSS	3	3	3	Square Feet
12	Delamination/Spall	CRACKED DELAMINATION 3 FT x 4 FT LONG, AT END BENT 2 IN BAY 8 UNDERSIDE OF DECK	3	12	12	Square Feet
12	Exposed Rebar	8" X 8" X 3" DEEP SPALL WITH EXPOSED REBAR WITH 1/4" REMAINING SECTION IN SOUTH OVERHANG AT BENT 3	3	1	1	Square Feet
12	Patched Areas	4 FT x 4 FT UNSOUND PATCH WITH 1 FT x 6" CRACKED CORNER AT 16 FT FROM BENT 3	3	16	16	Square Feet
12	Cracking (RC and Other)	3 TRANSVERSE HAIRLINE CRACKS UNDERSIDE OF BAY 1 SCATTERED THROUGHOUT, SIMILAR 4 TRANSVERSE CRACKS IN BAY 5 AND 4 TRANSVERSE CRACKS IN BAY 4.	2	35	35	Square Feet
12	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKING ALONG FULL LENGTH IN UNDERSIDE OF DECK IN BAY 2, SIMILAR IN BAY 3, BAY 6, BAY 7, BAY 8, AND BAY 9.	2	240	240	Square Feet
12	Cracking (RC and Other)	TRANSVERSE HAIRLINE CRACKS IN UNDERSIDE OF NORTH OVERHANG SPACED AT 4 FT ALONG FULL LENGTH OF SPAN	2	50	50	Square Feet
12	Delamination/Spall	14" X 6" AREA OF DELAMINATION IN BOTTOM OF DECK BAY 6 AT BENT 3	2	1	1	Square Feet
12	Delamination/Spall	2 - 7" DIAMETER DELAMINATIONS NEXT TO GIRDER 5 IN BAY 4 IN UNDERSIDE OF DECK AT 7 FT FROM END BENT 2	2	4	4	Square Feet
12	Delamination/Spall	48" X 7" AREA OF DELAMINATION IN BOTTOM OF DECK BAY 7 AT BENT 3	2	4	4	Square Feet
12	Patched Areas	20" DIAMETER SOUND PATCH IN UNDERSIDE OF DECK IN BAY 1 WITH HAIRLINE CRACKS AROUND PERIMETER AT 12 FT FROM END BENT 2	2	4		Square Feet
12	Patched Areas	4 FT x 6 FT PLYWOOD ATTACHED TO BOTTOM DECK IN BAY 8 AT 17 FT FROM BENT 3	2	24		Square Feet
12	Patched Areas	PATCH REPAIR UNDERSIDE OF OVERHANG AT MIDSPAN	2	9		Square Feet

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	48	0	46	2	0 Feet
515	Steel Protective Coating	437	389	0	46	2 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1.5 FT. OF SURFACE CORROSION x FULL WIDTH WITH 1/2" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3	3	2	2 Feet
107	Corrosion	2 FT X 4" OF SURFACE CORROSION IN INSIDE FACE OF WEB AT END BENT 2, NO MEASURABLE SECTION LOSS	2		Feet
107	Corrosion	46 FT. OF SURFACE CORROSION ON TOP AND BOTTOM FACES OF BOTTOM FLANGE, ON FULL HEIGHT OF OUTSIDE FACE OF WEB, NO MEASURABLE SECTION LOSS	2	46	Feet
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE AT BENT 3	4	2	2 Square Feet
515	Effectiveness (Steel Protective Coatings)	46 SF. OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE	3	46	46 Square Feet
General Comments					

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	48	0	47	1	0 Feet
515	Steel Protective Coating	437	389	0	44	4 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1 FT LONG SECTION LOSS x FULL WIDTH IN BOTTOM FLANGE AT BENT 3, 0.4" THICKNESS REMAINING, PRIORITY MAINTENANCE ISSUED	3	1	1 Feet
107	Corrosion	3 FT LONG SURFACE CORROSION ON BOTH SIDES OF BOTTOM FLANGE AND 10" OF LOWER WEB AT BENT 3, NO MEASURABLE SECTION LOSS	2	3	Feet
107	Corrosion	SURFACE CORROSION IN LOWER 4" OF WEB AT END BENT 2 FOR 6 FT LONG, NO MEASURABLE SECTION LOSS	2		Feet
107	Corrosion	SURFACE CORROSION ON BOTTOM FLANGE FOR FULL LENGTH ON BOTH SIDES, NO MEASURABLE SECTION LOSS	2	44	Feet
515	Effectiveness (Steel Protective Coatings)	4 SF. OF INEFFECTIVE PROTECTIVE COATING ON LOWER WEB AND BOTTOM FLANGE AT BENT 3	4	4	4 Square Feet
515	Effectiveness (Steel Protective Coatings)	44 SF. OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE	3	44	44 Square Feet
General Comments					

Span 4**Beam 3****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	48	0	47	1	0 Feet
515	Steel Protective Coating	437	389	0	47	1 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1 FT. x FULL WIDTH OF CORROSION WITH 0.4" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3 (PRIORITY	3	1	1 Feet

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		MAINTENANCE ISSUED)			
107	Corrosion	SURFACE CORROSION ON BOTTOM FLANGE FOR FULL LENGTH ON BOTH SIDES, NO MEASURABLE SECTION LOSS	2	47	Feet
515	Effectiveness (Steel Protective Coatings)	1 SF. OF INEFFECTIVE PROTECTIVE COATING ON LOWER WEB AND BOTTOM FLANGE AT BENT 3	4	1	1 Square Feet
515	Effectiveness (Steel Protective Coatings)	INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE THROUGHOUT FULL LENGTH OF SPAN	3	47	47 Square Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	48	0	43	5	0 Feet
515	Steel Protective Coating	437	389	43	0	5 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	1 FT. x FULL WIDTH OF CORROSION WITH 0.4" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED)	3	5	5 Feet
107	Corrosion	CORROSION WITH SECTION LOSS ON BEARING STIFFNER FOR 11" HIGH, 0.15" THICKNESS REMAINS, PRIORITY MAINTENANCE ISSUED	3		1 Feet
107	Corrosion	10" TALL x 3 FT LONG AREA OF SURFACE CORROSION IN WEB AT BENT 3 ON BOTH SIDES, NO MEASURABLE SECTION LOSS	2		Feet
107	Corrosion	SURFACE CORROSION IN FULL LENGTH OF TOP OF BOTTOM FLANGE, NO MEASURABLE SECTION LOSS	2	43	Feet
515	Effectiveness (Steel Protective Coatings)	5 SF. OF INEFFECTIVE PROTECTIVE COATING ON LOWER WEB AND BOTTOM FLANGE AT BENT 3	4	5	5 Square Feet
515	Effectiveness (Steel Protective Coatings)	43 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	43	43 Square Feet

General Comments**Span 4****Beam 5****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	48	0	43	5	0 Feet
515	Steel Protective Coating	437	389	39	0	9 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	10" LONG x FULL HEIGHT OF SURFACE CORROSION WITH 0.3" REMAINING THICKNESS IN LOWER WEB AND 5/8" REMAINING THICKNESS x FULL WIDTH IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED)	3	5	5 Feet
107	Corrosion	4 FT x 1 FT AREA OF SURFACE CORROSION IN LOWER WEB AT BENT 3, NO MEASURABLE SECTION LOSS.	2	4	Feet
107	Corrosion	6 FT OF SURFACE CORROSION ON BOTH SIDES OF TOP FLANGE AT END BENT 2, NO MEASURABLE SECTION LOSS	2		Feet
107	Corrosion	SCATTERED FRECKLED RUST ON BOTH SIDES OF BOTTOM FLANGES THROUGHOUT FULL LENGTH, NO MEASURABLE SECTION LOSS	2	39	Feet
515	Effectiveness (Steel Protective Coatings)	9 SF. OF INEFFECTIVE PROTECTIVE COATING ON LOWER WEB AND BOTTOM FLANGE AT BENT 3	4	9	9 Square Feet
515	Effectiveness (Steel Protective Coatings)	39 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	39	39 Square Feet

General Comments

Span 4**Beam 6****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	48	0	44	4	0 Feet
515	Steel Protective Coating	437	389	0	44	4 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	5 FT x 1 FT AREA OF CORROSION WITH 1/2" REMAINING THICKNESS x FULL WIDTH IN LOWER WEB AND 5/8" REMAINING THICKNESS x FULL WIDTH IN BOTTOM FLANGE AT BENT 3	3	4	4 Feet
107	Corrosion	SURFACE CORROSION ON BOTTOM TOP FLANGE FOR 1" WIDE ALONG THE EDGE SCATTERED THROUGHOUT FULL SPAN LENGTH, NO MEASURABLE SECTION LOSS	2		Feet
107	Corrosion	SURFACE CORROSION SCATTERED THROUGHOUT FULL LENGTH OF BOTTOM FLANGE, NO MEASURABLE SECTION LOSS	2	44	Feet
515	Effectiveness (Steel Protective Coatings)	4 SF. OF INEFFECTIVE PROTECTIVE COATING ON LOWER WEB AND BOTTOM FLANGE AT BENT 3	4	4	4 Square Feet
515	Effectiveness (Steel Protective Coatings)	44 SF. OF INEFFECTIVE PROTECTIVE COATING ON BOTTOM FLANGE	3	44	44 Square Feet

General Comments

Span 4**Beam 7****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	48	0	48	0	0 Feet
515	Steel Protective Coating	437	412	25	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SCATTERED FRECKLED RUST ON FULL HEIGHT OF WEB, IN SOUTH FACE ONLY, NO MEASURABLE SECTION LOSS	2		Feet
107	Corrosion	SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL LENGTH ON BOTH SIDES, NO MEASURABLE SECTION LOSS	2	48	Feet
515	Effectiveness (Steel Protective Coatings)	25 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	25	25 Square Feet

General Comments

Span 4**Beam 8****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	48	0	48	0	0 Feet
515	Steel Protective Coating	437	389	48	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	3 FT x 1 FT TALL SURFACE CORROSION ON WEB AT BENT 3, NO MEASURABLE SECTION LOSS	2		Feet
107	Corrosion	48 FT OF SURFACE CORROSION SCATTERED THROUGHOUT TOP FLANGE, NO MEASURABLE SECTION LOSS	2	48	Feet
107	Corrosion	SCATTERED FRECKLED RUST ON WEB, SOUTH FACE	2		Feet

		ONLY THROUGHOUT FULL SPAN, NO MEASURABLE SECTION LOSS			
515	Effectiveness (Steel Protective Coatings)	48 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB	2	48	48 Square Feet

General Comments**Span 4 Beam 9****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	48	0	48	0	0 Feet
515	Steel Protective Coating	437	341	96	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	6 FT x 1 FT TALL OF SURFACE CORROSION IN WEB AT BENT 3, NO MEASURABLE SECTION LOSS	2		Feet
107	Corrosion	SCATTERED FRECKLED RUST FROM MIDSPAN TO END BENT 2, SOUTH FACE OF WEB ONLY, NO MEASURABLE SECTION LOSS	2		Feet
107	Corrosion	SCATTERED SURFACE CORROSION ON BOTTOM FLANGE ON BOTH SIDES THROUGHOUT FULL LENGTH OF SPAN, NO MEASURABLE SECTION LOSS	2	48	Feet
515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS OF PROTECTIVE COATING ON FLANGES AND WEB THROUGHOUT FULL LENGTH OF SPAN	2	96	96 Square Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	48	0	46	2	0 Feet
515	Steel Protective Coating	437	389	0	48	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	2 FT x 6" OF SURFACE CORROSION IN LOWER 6" OF WEB AT END BENT 2 ON BOTH SIDES, NO MEASURABLE SECTION LOSS	3	2	2 Feet
107	Corrosion	SURFACE CORROSION AT BENT 3, 4 FT LONG x FULL HEIGHT OF WEB ON OUTSIDE FACE OF BEAM 10, NO MEASURABLE SECTION LOSS	2		Feet
107	Corrosion	SURFACE CORROSION ON BOTH SIDE OF BOTTOM FLANGES THROUGHOUT FULL LENGTH OF SPAN, NO MEASURABLE SECTION LOSS	2	46	Feet
515	Effectiveness (Steel Protective Coatings)	INEFFECTIVE COATING ON BOTTOM FLANGE	3	48	48 Square Feet

General Comments**Span 4 Expansion Joint****Compression Seal**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
302	Compression Joint Seal	69	21	48	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
302	Damage	2 REPAIRS SCATTERED THROUGHOUT JOINT 3, 5 FT AND 9 FT LONG	2	14	Feet

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302	Damage	JOINT AT BENT 3 EASTBOUND LANES UNDER REPAIR	2	30	Feet
302	Seal Adhesion	2 FT ADHESION LOSS UP TO 1/4" DEEP AT CENTERLINE OF WESTBOUND LANES	2	2	Feet
302	Seal Adhesion	2 FT ADHESION LOSS UP TO 1/4" DEEP IN MIDDLE LANE OF WESTBOUND LANES	2	2	Feet

General Comments

Span 4 Expansion Joint

Compression Seal

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
302	Compression Joint Seal	69	0	69	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
302	Damage	JOINT AT END BENT 2 EASTBOUND LANES UNDER REPAIR	2	39		Feet
302	Seal Adhesion	PARTIAL ADHESION LOSS IN FULL LENGTH OF WESTBOUND JOINT, 1/4" PENETRATION	2	30		Feet

General Comments

Span 4 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	0	16	35	0	Feet
515	Steel Protective Coating	51	51	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	Distortion	35 FT. OF IMPACT DAMAGE TO METAL RAIL ENDING AT BENT 3	3	35	35	Feet
333	Cracking	HAIRLINE CRACKS IN CURB SCATTERED THROUGHOUT ENTIRE LENGTH OF SPAN	2	16		Feet

General Comments

Span 4 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	0	51	0	0	Feet
515	Steel Protective Coating	51	51	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	Damage	TRAILING EDGE GAP IN GUARDRAIL AT END BENT 2 EASTBOUND LANES	3			Feet
333	Delamination/Spall	4" x 2" x 1" SPALL ON THIRD POST FROM BENT 3, NO EXPOSED REBAR	3		1	Feet
333	Cracking	SCATTERED HAIRLINE VERTICAL CRACKS THROUGHOUT CURB INSIDE FACE	2			Feet
333	Damage	4 FT OF 1/2" DEEP IMPACT GOUGES TO CONCRETE RAIL AT 9 FT FROM END BENT 2	2			Feet
333	Damage	9 FT OF IMPACT DAMAGE TO GUARDRAIL AT END BENT 2	2		9	Feet
333	Damage	IMPACT DAMAGE TO RIGHT GUARDRAIL FOR FULL LENGTH OF SPAN 4, CONCRETE BARRIER RAIL BEHIND IS FULLY FUNCTIONING	2	48	48	Feet
333	Distortion	3 FT. OF GOUGES UP TO 18" X 3" IN METAL RAIL AT BENT	2	3		Feet

General Comments**Span 4 Median 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)	HAIRLINE MAP CRACKING WITH EFFLORESCENCE SCATTERED THROUGHOUT ENTIRE LENGTH ON BOTH SIDES	3	51	51 Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 Square Feet

General Comments**Span 4 Far Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Connection	ANCHOR BOLT NUT CORRODED AWAY, GIRDER BOTTOM FLANGE NOT SECURE. PM	3	1	1 Each

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311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3		Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 Square Feet
General Comments					

Span 4 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 Square Feet
General Comments					

Span 4 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 Square Feet
General Comments					

Span 4 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION PRESENT THROUGHOUT COATING	2	1		Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2	Square Feet
General Comments						

Span 4 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 Square Feet
General Comments					

Span 4 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 Square Feet
General Comments					

Span 4 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 Square Feet
General Comments					

Span 4 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 Square Feet

General Comments**Span 4 Far Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION PRESENT THROUGHOUT COATING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF LIMITED EFFECTIVENESS OF PROTECTIVE COATING	2	2	2 Square Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 Square Feet

General Comments**Span 4 Far Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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313	Corrosion	SURFACE CORROSION PRESENT THROUGHOUT COATING	2	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	3	2	2 Square Feet
General Comments					

Span 4 Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 Square Feet
General Comments					

Span 4 Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 Square Feet
General Comments					

Span 4 Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2 Square Feet
General Comments					

Span 4 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	Square Feet

General Comments

Span 4 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	Square Feet

General Comments

Span 4 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	PACK RUST PRESENT THROUGHOUT COATING	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	2 SF. OF INEFFECTIVE PROTECTIVE COATING	4	2	2	Square Feet

General Comments

Span 4 Wearing Surface**Concrete Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	2,814	2,797	16	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Patched Area/Pothole (Wearing Surface)	6" DIAMETER BY 1" GOUGE IN TOP OF DECK AT 8 FT FROM BENT 3 IN NORTH BOUND LANE	3	1	1	Square Feet
510	Patched Area/Pothole (Wearing Surface)	4 FT BY 4 FT REPAIR IN TOP OF DECK IN WEST BOUND LANES AT 8 FT FROM END BENT 2	2	16		Square Feet

General Comments

End Bent 1 Abutment**Reinforced Concrete Abutment**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
215	Reinforced Concrete Abutment	74	72	1	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
215	Delamination/Spall	12" x 6" x 1" SPALL IN BACKWALL IN BAY 1 NEAR BOTTOM FLANGE OF GIRDER 1, NO EXPOSED REBAR	3	1	1 Feet
215	Efflorescence/Rust Staining	FULL HEIGHT EFFLORESCENCE STAIN AT JOINT LINE IN BACKWALL IN BAY 5	2	1	Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	74	73	1	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	1 FT VERTICAL HAIRLINE CRACK UNDER BAY 3 IN CAP	2	1	Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	63	43	9	11	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	16" DIAMETER X 2" DEEP SPALL WITH EXPOSED REBAR IN WEST FACE UNDER BAY 4, NO MEASURABLE SECTION LOSS	3	2	2 Feet
234	Delamination/Spall	2.5 FT x 1 FT AREA OF DELAMINATION/SPALL UNDER BAY 4 IN EAST FACE OF CAP AT THE STEP, NO EXPOSED REBAR	3	3	3 Feet
234	Delamination/Spall	3 FT x 1 FT DELAMINATION UNDER GIRDER 2 IN UNDERSIDE OF CAP	3	3	3 Feet
234	Delamination/Spall	33" X 33" X 2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF CAP BETWEEN COLUMN 3 AND 4, NO MEASURABLE SECTION LOSS	3	3	3 Feet
234	Cracking (RC and Other)	2 FT HORIZONTAL HAIRLINE MAP CRACKING ON EAST FACE OF CAP UNDER BAY 4	2	2	Feet
234	Cracking (RC and Other)	2 FT LONG x 10" TALL AREA OF HAIRLINE MAP CRACKING IN EAST FACE OF CAP UNDER BAY 6	2	2	Feet
234	Cracking (RC and Other)	3 FT HORIZONTAL HAIRLINE CRACK IN BAY 7 IN EAST FACE OF CAP	2	3	Feet
234	Delamination/Spall	18" X 2" DELAMINATION IN WEST FACE UNDER BAY 6	2	2	2 Feet

General Comments

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	2 - 3" DIAMETER x 2" DEEP SPALL WITH EXPOSED REBAR, NO MEASURABLE SECTION LOSS, IN SOUTH FACE OF COLUMN AT STRUCTURAL ANGLE NEAR CAP	3		2	Each
205	Delamination/Spall	2 DELAMINATIONS ALONG CORNERS OF EAST FACE OF COLUMN 2, 6 FT HIGH x 6" x 6"	3		12	Each
205	Delamination/Spall	6 FT x 1 FT DELAMINATION IN NORTHEAST CORNER OF COLUMN 2	3	1	6	Each
205	Cracking (RC and Other)	8" LONG VERTICAL HAIRLINE CRACK IN WEST FACE OF COLUMN 1	2			Each

General Comments**Bent 1****Pile 3****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	2 DELAMINATIONS 4 FT TALL x 6" x 6" ON BOTH CORNERS OF EAST FACE OF COLUMN 3	3		8	Each
205	Delamination/Spall	5 FT TALL x 6" x 6" DELAMINATION IN NORTHWEST CORNER OF COLUMN 3	3		5	Each
205	Delamination/Spall	6 FT x 1 FT DELAMINATION IN SOUTHEAST CORNER OF COLUMN 3	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	Delamination/Spall	3 FT TALL x 6" x 6" DELAMINATION IN SOUTHWEST CORNER OF COLUMN 4	3		3	Each
205	Delamination/Spall	4 FT x 9" x 6" DELAMINATION IN NORTHEAST CORNER OF COLUMN 4	3		4	Each
205	Delamination/Spall	5 FT x 1 FT DELAMINATION IN NORTH FACE OF COLUMN 4	3	1	5	Each
205	Exposed Rebar	7" LONG EXPOSED REBAR IN UNDERSIDE OF STRUCTURE BETWEEN COLUMN 3 AND 4 IN WEST FACE, NO MEASURABLE SECTION LOSS	2			Each

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	63	17	25	21	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	6 FT. HORIZONTAL CRACK 1/16" WIDE IN EAST FACE UNDER BAY 8	3	6	6 Feet
234	Cracking (RC and Other)	7 FT HORIZONTAL HAIRLINE CRACK IN CAP BETWEEN BAY 5 AND 6, UP TO 1/8" WIDE WITH RUST STAIN IN EAST FACE OF CAP	3	1	1 Feet
234	Delamination/Spall	18" x 7" x 2" SPALL IN TOP OF CAP UNDER BAY 6 AT THE SEAT STEP WITH EXPOSED REBAR, NO SECTION LOSS	3	2	2 Feet
234	Delamination/Spall	2 DELAMINATION UNDER GIRDER 7 IN WEST FACE OF CAP, FIRST DELAMINATION AREA IS 3 FT x 18" AND SECOND AREA IS 3 FT x 1 FT	3	3	3 Feet
234	Delamination/Spall	20" x 20" DELAMINATION IN WEST FACE OF CAP UNDER BAY 3	3	2	2 Feet
234	Delamination/Spall	30" X 4" X 4" DEEP SPALL WITH EXPOSED REBAR IN WEST FACE UNDER BAY 6, NO MEASURABLE SECTION LOSS	3	3	3 Feet
234	Delamination/Spall	36" X 33" X 2" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF CAP BETWEEN COLUMN 1 AND 2, NO MEASURABLE SECTION LOSS	3	3	3 Feet
234	Delamination/Spall	7" x 6" x 7" SPALL IN TOP OF CAP AT BAY 1 STEP, NO EXPOSED REBAR	3	1	1 Feet
234	Cracking (RC and Other)	2 FT VERTICAL HAIRLINE CRACKS ON EAST FACE OF CAP UNDER COLUMN 3	2	1	Feet
234	Cracking (RC and Other)	7" DIAGONAL HAIRLINE CRACK UNDER BAY 4 IN EAST FACE OF CAP	2	1	Feet
234	Delamination/Spall	10 FT X 20" HIGH DELAMINATION IN WEST FACE UNDER BAYS 4 TO 6 (PRIORITY MAINTENANCE ISSUED)	2	9	9 Feet
234	Delamination/Spall	18" X 15" DELAMINATION IN WEST FACE UNDER BAY 7	2	2	2 Feet
234	Delamination/Spall	3 FT x 2 FT DELAMINATION AREA IN END OF CAP NEAR GIRDER 10	2	1	6 Feet
234	Delamination/Spall	30" X 8" DELAMINATION IN EAST FACE UNDER BAY 8	2	3	3 Feet
234	Delamination/Spall	6" DIAMETER DELAMINATION UNDERSIDE OF CAP BELOW GIRDER 6 IN EAST FACE OF CAP	2	1	1 Feet
234	Delamination/Spall	6.5 FT x 2.5 FT DELAMINATION IN EAST FACE OF CAP UNDER BAY 7	2	7	7 Feet

General Comments

5 SF. OF CRACKING IN STRUT BETWEEN COLUMN 2 AND 3

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	Delamination/Spall	16" DIAMETER X 1/2" DEEP SPALL WITH EXPOSED REBAR IN SOUTH FACE	3		2 Each
205	Delamination/Spall	24" X 12" X 1 1/2" DEEP SPALL WITH EXPOSED REBAR IN SOUTHEAST CORNER	3	1	2 Each
205	Delamination/Spall	3 FT x 16" DELAMINATION IN COLUMN 1 NEAR EAST FACE OF CAP	3		3 Each

General Comments

Bent 2**Pile 2****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	5 FT X 1 FT x 1 FT AREA OF DELAMINATION IN NORTHWEST CORNER NEAR TOP OF COLUMN	3	1	5	Each

General Comments

Bent 2**Pile 3****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	39" TALL x 30" WIDE DELAMINATION IN WEST FACE OF COLUMN 3	3		3	Each
205	Delamination/Spall	6 FT TALL x 18" WIDE DELAMINATION IN NORTH FACE OF COLUMN 3 NEAR TOP OF CAP	3	1	6	Each

General Comments

End Bent 2**Abutment****Reinforced Concrete Abutment**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	74	63	9	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Cracking (RC and Other)	1 FT HORIZONTAL CRACK UP TO 1/16" WIDE IN BACKWALL NEAR BEARING 7 IN BAY 7	3			Feet
215	Delamination/Spall	2 FT x 4" CRACK/DELAMINATION IN BACKWALL AT BAY 9 NEAR GIRDER 9 BOTTOM FLANGE	3	2	2	Feet
215	Cracking (RC and Other)	2 FT VERTICAL HAIRLINE CRACK IN BACKWALL AT BAY 7	2	1		Feet
215	Cracking (RC and Other)	3 - 12" LONG VERTICAL HAIRLINE CRACKS IN CAP IN BAY 4, 1 SIMILAR IN BAY 5	2	4		Feet
215	Damage	3 FT x 10" OF HONEYCOMBING IN BAY 3 BACKWALL AT END BENT 2	2	3	3	Feet
215	Delamination/Spall	3" x 3" x 1/2" SPALL IN BACKWALL IN BAY 8 NEAR GIRDER 8, NO EXPOSED REBAR	2	1	1	Feet

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	74	59	15	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	10" VERTICAL HAIRLINE CRACK UNDER BAY 9	2	1	1	Feet

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234	Cracking (RC and Other)	12" VERTICAL HAIRLINE CRACK IN CAP AT GIRDER 6	2	1	Feet
234	Cracking (RC and Other)	12" VERTICAL HAIRLINE CRACK IN CAP, 1 AT GIRDER 1 BEARING, 1 IN CAP UNDER BAY 1 AND 1 IN CAP AT BEARING OF GIRDER 2.	2	3	Feet
234	Cracking (RC and Other)	2 - 12" VERTICAL HAIRLINE CRACKS IN BAY 2 IN CAP, 3 SIMILAR IN CAP IN BAY 3	2	5	Feet
234	Cracking (RC and Other)	3 - 12" VERTICAL HAIRLINE CRACKS IN CAP IN BAY 4, ONE SIMILAR IN BAY 5	2	4	Feet
234	Cracking (RC and Other)	6" VERTICAL HAIRLINE CRACK IN CAP ET BAY 8	2	1	Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	63	11	41	11	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	18" x 20" DELAMINATION IN END OF SOUTH FACE OF CAP	3	1	4 Feet
234	Delamination/Spall	2 FT x 1 FT DELAMINATION AT UNDERSIDE OF CAP UNDER BAY 5	3	2	2 Feet
234	Delamination/Spall	3 FT X 20" DELAMINATION WITH EXPOSED REBAR IN WEST FACE UNDER BAY 1	3	2	2 Feet
234	Delamination/Spall	6 FT x 9" TALL DELAMINATION UNDER BAY 3 IN WEST FACE OF CAP	3	6	6 Feet
234	Cracking (RC and Other)	2 FT x 2 FT x 1 FT HAIRLINE MAP CRACKING AREA ON BOTTOM OF CAP UNDER BAY 2	2	2	Feet
234	Cracking (RC and Other)	3 FT HORIZONTAL HAIRLINE CRACK AT BAY 7 IN EAST FACE OF CAP	2	3	Feet
234	Cracking (RC and Other)	4 FT HORIZONTAL HAIRLINE CRACK IN EAST FACE OF CAP UNDER BAY 4	2	4	Feet
234	Cracking (RC and Other)	4 FT x 1 FT TALL AREA OF HAIRLINE MAP CRACKING IN TOP OF CAP AT BEARING 3	2	4	Feet
234	Cracking (RC and Other)	7 FT HORIZONTAL HAIRLINE CRACK IN EAST FACE OF CAP UNDER BAY 1	2	7	Feet
234	Cracking (RC and Other)	7 FT LONG HORIZONTAL HAIRLINE CRACK UNDER GIRDER 6 GOING THROUGH A PATCH REPAIR. 4.5 FT x 16" AREA OF HAIRLINE MAP CRACKING	2	7	Feet
234	Cracking (RC and Other)	8 FT LONG HORIZONTAL HAIRLINE CRACK IN WEST FACE OF CAP BETWEEN BAY 4 AND 5	2	8	Feet
234	Delamination/Spall	19" WIDE x 6" TALL DELAMINATION IN BOTTOM CAP OVER COLUMN 2 IN WEST FACE	2	2	2 Feet
234	Delamination/Spall	26" X 4" AREA OF DELAMINATION IN WEST FACE OF BOTTOM CAP UNDER BAY 1	2	2	2 Feet
234	Delamination/Spall	3 FT x 2 FT AREA OF DELAMINATION IN WEST FACE OF CAP UNDER BEAM 8	2	2	2 Feet

General Comments**Bent 3****Pile 1****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	18" DIAMETER X 1" DEEP SPALL IN NORTH FACE	3		2 Each
205	Delamination/Spall	18" X 6" X 2" DEEP SPALL IN NORTHEAST CORNER	3		1 Each

Structure Number: **430057**Inspection Date: **02/13/2019**

205	Delamination/Spall	80"X 8" x 7" AREA OF DELAMINATION IN NORTHWEST CORNER	3		7	Each
205	Exposed Rebar	8 FT. X 10" X 9" DEEP SPALL WITH EXPOSED MAIN REBAR NO MEASURABLE SECTION LOSS IN SOUTHWEST CORNER	3	1	8	Each
205	Exposed Rebar	8.5 FT. X 8" X 10" DEEP SPALL WITH EXPOSED REBAR NO MEASURABLE SECTION LOSS IN SOUTHEAST CORNER	3		8	Each
205	Patched Area	18" DIAMETER PATCH IN TOP OF COLUMN 1 ON WEST FACE OF CAP	2			Each

General Comments**Bent 3****Pile 2****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	20" X 10" X 4" DEEP SPALL AND 7 FT x 1 FT AREA OF MAP CRACKING AT BOTTOM OF NORTHWEST CORNER	3		1 Each
205	Delamination/Spall	20" x 3" x 14" DELAMINATION ON NORTH EAST CORNER OF COLUMN 2	3		2 Each
205	Delamination/Spall	7.5 FT X 14" x 5" AREA OF DELAMINATION IN SOUTHWEST CORNER OF COLUMN 2 WITH EFFLORESCENCE	3	1	8 Each

General Comments**Bent 3****Pile 3****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Cracking (RC and Other)	1 FT VERTICAL HAIRLINE CRACK AT BOTTOM OF NORTHWEST CHAMFER CORNER	3		2 Each
205	Delamination/Spall	18" WIDE x 3.5 FT LONG DELAMINATION IN NORTH FACE ON COLUMN 3	3	1	2 Each
205	Delamination/Spall	18" x 4" x 6" DELAMINATION AT NORTHWEST CORNER	3		2 Each
205	Exposed Rebar	4" EXPOSED REBAR, VIOLATED CLEARANCE COVERAGE	2		1 Each

General Comments**Bent 3****Pile 4****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	2 FT x 1 FT WIDE DELAMINATION IN SOUTH FACE OF COLUMN 4	3		2 Each
205	Delamination/Spall	3 FT TALL x 10" WIDE DELAMINATION WITH EXPOSED REBAR IN SOUTHWEST CORNER, NO MEASURABLE SECTION LOSS	3	1	3 Each

General Comments

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	4134
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	63
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	63
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	63
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	63
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	63
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	63
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	63
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	63
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	63
Span 1	Beam 10	Plate Girder	Steel Open Girder/Beam	63
Span 1	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	66
Span 1	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	66
Span 1	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	66
Span 1	Wearing Surface	Concrete Wearing Surface	Wearing Surface	3657
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed 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	4134
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	65
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	65
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	65
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	65
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	65
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	65
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	65
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	65
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	65

Elements Verified

Location	Name	Component	Element Name	Amount
Span 2	Beam 10	Plate Girder	Steel Open Girder/Beam	65
Span 2	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	66
Span 2	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	66
Span 2	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	66
Span 2	Wearing Surface	Concrete Wearing Surface	Wearing Surface	3657
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	4069
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	65
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	65
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	65
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	65
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	65
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	65
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	65
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	65
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	65
Span 3	Beam 10	Plate Girder	Steel Open Girder/Beam	65
Span 3	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	66
Span 3	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	66
Span 3	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	66
Span 3	Wearing Surface	Concrete Wearing Surface	Wearing Surface	3657
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

Elements Verified

[illegible]

Elements Verified

Location	Name	Component	Element Name	Amount
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	63
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	74
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	74
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	63
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	74
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	74
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	63
Bent 3	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 430057

Inspection Date: 02/13/2019

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	5
Item 61: Channel and Channel Protection	0 - 9 , N	7
Item 62: Culvert	0 - 9 , N	N
Item 71: Waterway Adequacy	0 - 9 , N	7
Item 72: Approach Roadway Alignment	0 - 9 , N	8

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	F	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	G	0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation		O		
Drift	G, F, P, or C	G	0	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	18		
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	18
Traffic Control Time	Hours	4
Snooper Time	Hours	4
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: 430057

Inspection Date: 02/13/2019

Item	Deck - Item 58	Grade	5	Maint Code		Qty.	0
Details	SEVERAL SPALLS, DELAMINATIONS AND EXPOSED REBARS THROUGHOUT DECK						

Item	Superstructure - Item 59	Grade	5	Maint Code		Qty.	0
Details	AREAS OF SCATTERED CORROSION WITH SECTION LOSS THROUGHOUT THE SUPERSTRUCTURE						

Item	Substructure - Item 60	Grade	5	Maint Code		Qty.	0
Details	SEVERAL SPALLS, DELAMINATIONS AND EXPOSED REBARS SCATTERED THROUGHOUT THE SUBSTRUCTURE ELEMENTS						

Item	Priority Maintenance Issued	Grade	Y	Maint Code		Qty.	0
Details	SPAN 3 BEAM 5: 6 FT. OF CORROSION WITH 0.4" REMAINING THICKNESS IN STIFFNER AND 3/4" REMAINING SECTION IN BOTTOM FLANGE AT BENT 2 (PRIORITY MAINTENANCE ISSUED) SPAN 3 BEAM 6: 2 FT. OF SURFACE CORROSION x FULL WIDTH, 0.45" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED) SPAN 3 BEAM 6: 3 FT. x FULL WIDTH OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND 2.5" X 1" HOLE IN BEARING STIFFENER AT BENT 2 (PRIORITY MAINTENANCE ISSUED) SPAN 4 BEAM 5: 10" LONG x FULL HEIGHT OF SURFACE CORROSION WITH 0.3" REMAINING THICKNESS IN LOWER WEB AND 5/8" REMAINING THICKNESS x FULL WIDTH IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED) SPAN 4 BEAM 4: 1 FT. x FULL WIDTH OF CORROSION WITH 0.4" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED) SPAN 4 BEAM 4: CORROSION WITH SECTION LOSS ON BEARING STIFFNER FOR 11" HIGH, 0.15" THICKNESS REMAINS, PRIORITY MAINTENANCE ISSUED SPAN 4 BEAM 3: 1 FT. x FULL WIDTH OF CORROSION WITH 0.4" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED) SPAN 4 BEAM 2: 1 FT LONG SECTION LOSS x FULL WIDTH IN BOTTOM FLANGE AT BENT 3, 0.4" THICKNESS REMAINING, PRIORITY MAINTENANCE ISSUED SPAN 3 BEAM 5: BEARING STIFFNER HAS SECTION LOSS FOR 5" TALL x FULL WIDTH, 0.1" THICKNESS REMAINS AT BENT 3. PRIORITY MAINTENANCE ISSUED SPAN 1 LEFT BRIDGE RAIL: 5 FT OF MISSING GUARDRAIL AT END BENT 1 IN LEFT BARRIER RAIL (PRIORITY MAINTENANCE ISSUED) SPAN 2 LEFT BRIDGE RAIL: FULL LENGTH OF IMPACT DAMAGE ON GUARDRAIL ATTACHMENT, BROKEN AND INNEFFECTIVE (PRIORITY MAINTENANCE ISSUED) BENT 2 CAP 1: 10 FT X 20" HIGH DELAMINATION IN WEST FACE UNDER BAYS 4 TO 6 (PRIORITY MAINTENANCE ISSUED) SPAN 4 BEAM 2 NEAR BEARING: ANCHOR BOLT NUT CORRODED AWAY, GIRDER BOTTOM FLANGE NOT SECURE, PM						

Item	Wingwalls	Grade	G	Maint Code	3350	Qty.	0
Details	2 HORIZONTAL HAIRLINE CRACKS WITH EFFLORESCENCE IN SOUTHEAST WINGWALL						



Span 4 Beam 2 Near Bearing: ANCHOR BOLT NUT CORRODED AWAY, GIRDER BOTTOM FLANGE NOT SECURE, PM



Span 3 Beam 6: 3 FT. OF CORROSION WITH 1/2" REMAINING SECTION IN BOTTOM FLANGE AND 2.5" X 1" HOLE IN BEARING STIFFENER AT BENT 2 (PRIORITY MAINTENANCE ISSUED)



Bent 2 Cap 1: 10 FT X 20" HIGH DELAMINATION IN WEST FACE UNDER BAYS 4 TO 6 (PRIORITY MAINTENANCE ISSUED)



Span 3 Beam 5: 6 FT. OF CORROSION WITH 0.4" REMAINING THICKNESS IN STIFFNER AND 3/4" REMAINING SECTION IN BOTTOM FLANGE AT BENT 2 (PRIORITY MAINTENANCE ISSUED)



Span 3 Right Bridge Rail: IMPACT DAMAGE TO RIGHT GUARDRAIL FOR FULL LENGTH OF SPAN 3, CONCRETE BARRIER RAIL BEHIND IS FULLY FUNCTIONING



Expansion Joint : JOINT REPAIR AT END BENT 1 ALONG FULL LENGTH OF EAST BOUND LANE



Span 1 Deck: SPAN 1 DECK REPAIR IN EAST BOUND LANES



Expansion Joint : 15 FT OF JOINT REPAIR IN WEST BOUND LANES



Expansion Joint : EAST BOUND LANE UNDER REPAIR



Span 1 Left Bridge Rail: 17 FT. OF HORIZONTAL CRACKS IN TOP OF RAIL, UP TO 1/8" WIDE AT END BENT 1



Span 1 Left Bridge Rail: 5 FT OF MISSING GUARDRAIL AT END BENT 1 IN LEFT BARRIER RAIL



Span 1 Left Bridge Rail: 15" X 12" X 4" SPALL IN TOP OF CURB AT END BENT 1



Span 1 Left Bridge Rail: 25 FT OF IMPACT DAMAGE ON GUARDRAIL AT END BENT 1



Span 1 Left Bridge Rail: 4 FT DELAMINATION IN UNSOUND PATCH IN OVERHANG AT MIDSPAN OF LEFT BARRIER RAIL



Span 1 Left Bridge Rail: 5" X 5" X 2" SPALL IN BASE OF POST #6 WITH REBAR EXPOSED, NO SECTION LOSS



Span 1 Left Bridge Rail: 4 FT OF DELAMINATION AND SPALL WITH EXPOSED REBAR IN THE OUTSIDE FACE OF POST #6



Span 1 Left Bridge Rail: 15" X 6" X 3" SPALL WITH EXPOSED REBAR AT BENT 1



Span 1 Left Bridge Rail: 10 FT OF IMPACT DAMAGE AT 8 FT FROM BENT 1, UP TO 5" OF DEFLECTION



Span 1 Deck: 4 FT BY 4 FT OF SOUND REPAIR IN TOP OF DECK IN WEST BOUND LANES AT 20 FT FROM END BENT 1



Span 1 Deck: 4 FT BY 5 FT REPAIR IN TOP OF DECK IN WEST BOUND LANES AT 40 FT FROM END BENT 1 IN NORTH LANE.



Span 1 Deck: 9 FT BY 10 FT REPAIR IN TOP OF DECK IN WEST BOUND LANES AT 50 FT FROM END BENT 1 IN NORTH FACE



Expansion Joint : 5.5 FT SOUND REPAIR AT JOINT OVER BENT 1



Span 2 Left Bridge Rail: FULL LENGTH OF IMPACT DAMAGE ON GUARDRAIL ATTACHMENT, BROKEN AND INNEFFECTIVE



Span 2 Left Bridge Rail: 33 FT LONGITUDINAL CRACK IN TOP FACE OF RAIL UP TO 1/8" WIDE AT BENT 1 AND 8 FT FROM BENT 2



Span 2 Left Bridge Rail: SCATTERED SPALLS UP TO 14" X 5" X 4" WITH EXPOSED REBARS AT 16 FT AND 33 FT FROM BENT 1 IN TOP OF RAIL



Span 2 Left Bridge Rail: RAIL POSTS CRACKED ALONG FULL HEIGHT UP TO 1/16"



Span 2 Left Bridge Rail: 7" X 2" X 2" SPALL WITH EXPOSED REBAR IN RAIL POST



Span 2 Wearing Surface: 9 FT BY 1 FT AREA OF GOUGES IN DECK NEAR BENT 1 IN TOP OF DECK IN WEST BOUND LANES



Span 2 Wearing Surface: 3 FT BY 4.5 FT OF SOUND REPAIR AT BENT 2 IN TOP OF DECK IN WEST BOUND LANE



Span 3 Wearing Surface: 6 FT BY 5 FT REPAIR AND, 2 FT BY 6 FT REPAIR AT BENT 2



Span 3 Wearing Surface: 3 FT BY 3 FT SOUND REPAIR AT MIDSPAN IN TOP OF DECK IN WEST BOUND LANES AT NORTH LANE



Span 3 Wearing Surface: 3 FT BY 4 FT SOUND REPAIR AND 3 FT BY 3 FT SOUND REPAIR AT 49 FT FROM BENT 2 IN TOP OF DECK IN WEST BOUND LANES IN NORTH LANE



Span 3 Wearing Surface: 14 FT BY 9 FT OF SOUND REPAIR AND 4 FT BY 3 FT AREA OF SOUND REPAIR AT BENT 3 IN NORTH LANE IN TOP OF DECK IN WEST BOUND LANES



Span 3 Median Rail: 3 FT X 1.5 FT TALL X 6" DEEP SPALL IN TOP OF BARRIER RAIL WITH EXPOSED REBAR IN MIDSPAN 3



Span 3 Left Bridge Rail: 18" X 4" X 1 1/2" DEEP SPALL WITH EXPOSED REBAR AT 8 FT FROM BENT 3 WITH 4 FT HORIZONTAL CRACK UP TO 1/8" WIDE



Span 3 Left Bridge Rail: 18" X 6" SPALL IN TOP OF RAIL AT 7 FT FROM BENT 2 WHERE POST MEETS



Span 3 Left Bridge Rail: 10" X 5" X 1" SPALL IN TOP OF RAIL AT MIDSPAN, NO EXPOSED REBAR



Span 3 Left Bridge Rail: 5 FT X 5" WIDE X 1" DEEP SPALL IN CURB AT 15 FT FROM BENT 2



Span 4 Wearing Surface: 4 FT BY 4 FT REPAIR IN TOP OF DECK IN WEST BOUND LANES AT 8 FT FROM END BENT 2



Span 4 Beam 1: 46 FT. OF SURFACE CORROSION ON TOP AND BOTTOM FACES OF BOTTOM FLANGE, ON FULL HEIGHT OF OUTSIDE FACE OF WEB.



Span 4 Deck: TRANSVERSE HAIRLINE CRACKS IN UNDERSIDE OF NORTH OVERHANG SPACED AT 4 FT ALONG FULL LENGTH OF SPAN



Span 4 Deck: PACTH REPAIR UNDERSIDE OF OVERHANG AT MIDSPAN



Span 4 Beam 2: 3 FT LONG SURFACE CORROSION ON BOTH SIDES OF BOTTOM FLANGE AND 8" OF LOWER WEB AT BENT 3, 1/2" THICK SECTION REMAINS



Span 4 Beam 2: SURFACE CORROSION ON BOTTOM FLANGE FOR FULL LENGTH ON BOTH SIDES



Span 4 Deck: 20" DIAMETER SOUND PATCH IN UNDERSIDE OF DECK IN BAY 1 WITH HAIRLINE CRACKS AROUND PERIMETER AT 12 FT FROM END BENT 2



Span 4 Deck: 2 - 7" DIAMETER DELAMINATIONS NEXT TO GIRDER 5 IN BAY 4 IN UNDERSIDE OF DECK AT 7 FT FROM END BENT 2



Span 4 Deck: 2 - 6" DIAMETER x 2" DEEP SPALLS, NO EXPOSED REBAR, IN BAY 4 UNDERSIDE OF DECK NEAR GIRDER 5 AT 3 FT FROM END BENT 2



Span 4 Deck: CRACKED DELAMINATION 3 FT x 4 FT LONG, AT END BENT 2 IN BAY 8 UNDERSIDE OF DECK



Span 4 Deck: 7 FT x 6 FT AREA OF 1/16" WIDE MAP CRACKING IN UNDERSIDE OF DECK IN BAY 8 WITH EFFLORESCENCE AT MIDSPAN



Span 4 Deck: 4 FT x 6 FT PLYWOOD ATTACHED TO BOTTOM DECK IN BAY 8 AT 17 FT FROM BENT 3



Span 4 Beam 6: SURFACE CORROSION SCATTERED THROUGHOUT FULL LENGTH OF BOTTOM FLANGE, NO MEASURABLE SECTION LOSS



Span 4 Beam 7: SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL LENGTH ON BOTH SIDES



Span 4 Beam 10: 2 FT x 6" OF SURFACE CORROSION IN LOWER 6" OF WEB AT END BENT 2 ON BOTH SIDES,
NO MEASURABLE SECTION LOSS



Span 4 Beam 10: SURFACE CORROSION ON BOTH SIDE OF BOTTOM FLANGES THROUGHOUT FULL LENGTH
OF SPAN, NO MEASURABLE SECTION LOSS



Span 3 Beam 1: SCATTERED SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL LENGTH OF SPAN



Span 4 Beam 1: 1.5 FT. OF SURFACE CORROSION WITH 1/2" THICKNESS REMAINING SECTION IN BOTTOM FLANGE AT BENT 3



Bent 3 Cap 1: 3 FT X 20" DELAMINATION WITH EXPOSED REBAR IN WEST FACE UNDER BAY 1



Bent 3 Cap 1: 26" X 4" AREA OF DELAMINATION IN WEST FACE OF BOTTOM CAP UNDER BAY 1



Bent 3 Cap 1: 2 FT x 2 FT x 1 FT HAIRLINE MAP CRACKING AREA ON BOTTOM OF CAP UNDER BAY 2



Bent 3 Cap 1: 6 FT x 9" TALL DELAMINATION UNDER BAY 3 IN WEST FACE OF CAP



Bent 3 Pile 1: 8 FT. X 10" X 9" DEEP SPALL WITH EXPOSED MAIN REBAR WITH 1 1/2" REMAINING SECTION IN SOUTHWEST CORNER



Bent 3 Pile 1: 18" X 6" X 2" DEEP SPALL IN NORTHEAST CORNER



Bent 3 Pile 1: 8.5 FT. X 8" X 10" DEEP SPALL WITH EXPOSED REBAR WITH 1 1/2" REMAINING SECTION IN SOUTHEAST CORNER



Bent 3 Pile 1: 18" DIAMETER PATCH IN TOP OF COLUMN 1 ON WEST FACE OF CAP



Bent 3 Pile 2: 7.5 FT X 14" x 5" AREA OF DELAMINATION IN SOUTHWEST CORNER OF COLUMN 2 WITH EFFLORESCENCE



Span 4 Beam 10: SURFACE CORROSION AT BENT 3, 4 FT LONG x FULL HEIGHT OF WEB ON OUTSIDE FACE OF BEAM 10



Span 4 Beam 8: 3 FT x 1 FT TALL SURFACE CORROSION ON WEB AT BENT 3



Span 4 Beam 5: 10" LONG x FULL HEIGHT OF SURFACE CORROSION WITH 0.3" REMAINING THICKNESS IN LOWER WEB AND 5/8" REMAINING SECTION IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED)



Span 4 Beam 2: 1 FT LONG SECTION LOSS IN BOTTOM FLANGE AT BENT 3, 0.4" THICK SECTION REMAINS, PRIORITY MAINTENANCE ISSUED



Span 3 Beam 2: 1 FT LONG SURFACE CORROSION ON BOTTOM FLANGE AT BENT 3, 0.5" REMAINING THICKNESS IN BOTTOM FLANGE



Span 3 Beam 2: 4 FT. x 10" TALL SURFACE CORROSION IN LOWER WEB AT BENT 3, NO MEASURABLE SECTION LOSS



Span 3 Beam 3: SCATTERED SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL LENGTH



Span 3 Beam 6: 2 FT. OF SURFACE CORROSION, 0.45" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED)



Span 3 Beam 7: 1 FT. OF CORROSION WITH 0.65" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3



Span 3 Beam 9: 3 FT. OF SURFACE CORROSION IN WEB FOR 15" TALL DOWN TO 4" TALL UNTIL MIDSPAN



Span 3 Beam 5: 2 FT CORROSION WITH SECTION LOSS ON BOTTOM FLANGE, 0.6" THICKNESS REMAINS AT BENT 3



Span 3 Beam 5: BEARING STIFFNER HAS SECTION LOSS FOR 5" TALL x FULL WIDTH, 0.1" THICKNESS REMAINS AT BENT 3. PRIORITY MAINTENANCE ISSUED



Span 3 Beam 5: 10.5 FT x 1 FT CORROSION IN LOWER PART OF WEB AT BENT 3, NO MEASURABLE SECTION LOSS.



Span 4 Beam 3: 1 FT. OF CORROSION WITH 0.4" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3
(PRIORITY MAINTENANCE ISSUED)



Span 4 Beam 4: 1 FT. OF CORROSION WITH 0.4" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3
(PRIORITY MAINTENANCE ISSUED)



Span 4 Beam 4: CORROSION WITH SECTION LOSS ON BEARING STIFFNER FOR 11" HIGH, 0.15" THICKNESS REMAINS, PRIORITY MAINTENANCE ISSUED



Bent 2 Cap 1: 3 FT x 2 FT DELAMINATION AREA IN END OF CAP NEAR GIRDER 10



Bent 2 Cap 1: 18" x 7" x 2" SPALL IN TOP OF CAP UNDER BAY 6 AT THE SEAT STEP WITH EXPOSED REBAR, NO SECTION LOSS



Bent 2 Pile 1: 24" X 12" X 1 1/2" DEEP SPALL WITH EXPOSED REBAR IN SOUTHEAST CORNER



Bent 2 Pile 1: 16" DIAMETER X 1/2" DEEP SPALL WITH EXPOSED REBAR IN SOUTH FACE



Bent 2 Pile 3: 39" TALL x 30" WIDE DELAMINATION IN WEST FACE OF COLUMN 3



Bent 2 Pile 2: 5FT X 1 FT x 1 FT AREA OF DELAMINATION IN NORTHWEST CORNER NEAR TOP OF COLUMN



Bent 2 Cap 1: 20" x 20" DELAMINATION IN WEST FACE OF CAP UNDER BAY 3



Bent 2 Cap 1: 2 DELAMINATION UNDER GIRDER 7 IN WEST FACE OP CAP, FIRST DELAMINATION AREA IS 3 FT x 18" AND SECOND AREA IS 3 FT x 1 FT



Bent 1 Cap 1: 2 FT LONG x 10" TALL AREA OF HAIRLINE MAP CRACKING IN EAST FACE OF CAP UNDER BAY 6



Bent 1 Cap 1: 2.5 FT x 1 FT AREA OF DELAMINATION/SPALL UNDER BAY 4 IN EAST FACE OF CAP AT THE STEP



Span 3 Deck: 16" x 12" x 2" SPALL WITH EXPOSED REBAR IN NORTH OVERHANG AT BENT 3, NO MEASURABLE SECTION LOSS



Span 3 Deck: 2.5 FT x 10" x 6" SPALL IN UNDERSIDE OF DECK NEAR GIRDER 1 AT BENT 2 WITH EXPOSED REBAR, NO MEASURABLE SECTION LOSS



Span 3 Beam 1: SCATTERED SURFACE CORROSION IN WEB AT BENT 2 THROUGHOUT FULL LENGTH



Span 3 Beam 3: 3 FT LONG x 18" HIGH AREA OF SURFACE CORROSION ON WEB AT BENT 2 ON BOTH FACES



Span 3 Deck: 2 SPALLS IN UNDERSIDE OF DECK NEAR GIRDER 8 AT BENT 2, ONE IS 18" x 10" x 2.5" DEEP WITH EXPOSED REBAR AND NO MEASURABLE SECTION LOSS. SECOND SPALL IS 2 FT x 3" x 1" DEEP WITH NO EXPOSED REBAR.



Span 2 Beam 1: SURFACE CORROSION ON BOTTOM FLANGE ALONG FULL LENGTH



Span 2 Beam 2: SCATTERED SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL SPAN LENGTH. SCATTERED FRECKLED SURFACE CORROSION IN LOWER 18" OF WEB FOR 6 FT LONG AT BENT 2.



Span 2 Beam 3: SCATTERED SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL SPAN LENGTH. SCATTERED FRECKLED SURFACE CORROSION IN LOWER 18" OF WEB FOR 6 FT LONG AT BENT 2.



Span 2 Beam 6: SURFACE CORROSION ON BOTTOM FLANGE THROUGHOUT FULL SPAN LENGTH WITH NO MEASURABLE SECTION LOSS.



Span 2 Beam 10: SCATTERED SURFACE CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB THROUGHOUT FULL SPAN LENGTH WITH NO MEASURABLE SECTION LOSS.



Span 2 Deck: 2 - 1 FT x 4" x 1/2" DEEP SPALLS AROUND PATCH UNDERSIDE OF DECK ABOVE BAY 6 NEAR BENT 2



Span 2 Beam 2: SURFACE CORROSION ON LOWER 2" OF WEB FOR FULL SPAN LENGTH AT BENT 1 WITH NO MEASURABLE SECTION LOSS



Span 2 Beam 1: SURFACE CORROSION ON FULL HEIGHT OF WEB FOR 30" LONG AT BENT 1 WITH NO MEASURABLE SECTION LOSS. SURFACE CORROSION ON BOTTOM FLANGE AND LOWER 6" OF WEB THROUGHOUT FULL SPAN LENGTH ON OUTSIDE GIRDER FACE



Span 2 Beam 2: SURFACE CORROSION ON BOTTOM FLANGE FOR 4 FT LONG AT BENT 1 WITH NO MEASURABLE SECTION LOSS



VEGETATION OVERGROWING ON CAP AND COLUMNS AT BENT 1



Span 2 Beam 5: SURFACE CORROSION ON TOP FLANGE FOR 15 FT LONG AT MIDSPAN EDGE WITH NO MEASURABLE SECTION LOSS



Span 1 Beam 2: SCATTERED SURFACE CORROSION THROUGHOUT FULL LENGTH OF BOTTOM FLANGE WITH NO MEASURABLE SECTION LOSS



Span 1 Beam 1: SURFACE CORROSION THROUGHOUT FULL LENGTH OF BOTTOM FLANGE AND SCATTERED FRECKLED RUST THROUGHOUT FULL HEIGHT OF WEB x FULL SPAN LENGTH WITH NO MEASURABLE SECTION LOSS



Span 1 Beam 3: SCATTERED SURFACE CORROSION THROUGHOUT FULL LENGTH OF BOTTOM FLANGE AND
SCATTERED SURFACE CORROSION THROUGHOUT LOWER 2" OF WEB x FULL SPAN LENGTH WITH NO
MEASURABLE SECTION LOSS



Span 1 Beam 5: SCATTERED SURFACE CORROSION THROUGHOUT FULL LENGTH OF BOTTOM FLANGE
WITH NO MEASURABLE SECTION LOSS



Span 1 Beam 10: SURFACE CORROSION THROUGHOUT FULL LENGTH OF BOTTOM FLANGE AND SURFACE CORROSION THROUGHOUT LOWER 2" OF WEB x FULL SPAN LENGTH WITH NO MEASURABLE SECTION LOSS



Span 1 Beam 8: SCATTERED FRECKLED CORROSION THROUGHOUT FULL LENGTH OF BOTTOM FLANGE
WITH NO MEASURABLE SECTION LOSS



Span 1 Deck: TRANSVERSE HAIRLINE CRACKS SPACED AT 4 FT CENTERS IN UNDERSIDE OF DECK IN BAY 7
WITH EFFLORESCENCE



Span 1 Deck: 6" x 6" x 1" SPALL AT MIDSPAN WITH EXPOSED REBAR, NO MEASURABLE SECTION LOSS, AT MIDSPAN IN BAY 7 IN UNDERSIDE OF DECK



Span 1 Deck: 2 - 2 FT x 6.5 FT WIDE AREA OF HONEYCOMING WITH EXPOSED REBAR IN UNDERSIDE OF DECK IN BAY 8 AT BENT 1



Span 1 Deck: 5 FT x 3 FT AREA OF HONEYCOMBING NEAR MIDSPAN OF UNDERSIDE OF BAY 9 WITH EXPOSED REBAR, NO MEASURABLE SECTION LOSS



Bent 1 Pile 2: 8" LONG VERTICAL HAIRLINE CRACK IN WEST FACE OF COLUMN 1



End Bent 1 Cap 1: 1 FT VERTICAL HAIRLINE CRACK UNDER BAY 3 IN CAP



CAP COVERED BY DEBRIS IN BAY 6 AT END BENT 1



CAP COVERED BY DEBRIS AT END BENT 1 IN BAY 7 UNTIL SOUTH END OF CAP



End Bent 2 Abutment/Backwall : 3 FT x 10" OF HONEYCOMBING IN BAY 3 BACKWALL AT END BENT 2



End Bent 2 Abutment/Backwall : 3 - 12" LONG VERTICAL HAIRLINE CRACKS IN CAP IN BAY 4, 1 SIMILAR IN BAY 5



End Bent 2 Abutment/Backwall : 1 FT HORIZONTAL CRACK UP TO 1/16" WIDE IN BACKWALL NEAR BEARING 7 IN BAY 7



End Bent 2 Abutment/Backwall : 3" x 3" x 1/2" SPALL IN BACKWALL IN BAY 8 NEAR GIRDER 8



End Bent 2 Abutment/Backwall : 2 FT x 4" CRACK/DELAMINATION IN BACKWALL AT BAY 9 NEAR GIRDER 9
BOTTOM FLANGE



End Bent 2 Cap 1: 12" VERTICAL HAIRLINE CRACK IN CAP, 1 AT GIRDER 1 BEARING, 1 IN CAP UNDER BAY 1 AND 1 IN CAP AT BEARING OF GIRDER 2.



NEW RIPRAP CRUSHED CONCRETE IN BAY 5, 6, 7, 8 AND 9



Span 1 Right Bridge Rail: 25 FT OF IMPACT DAMAGE IN RAIL AT BENT 1



Expansion Joint : BENT 1 EASTBOUND JOINT UNDER REPAIR



Span 2 Right Bridge Rail: 4 FT LONG IMPACT DAMAGE AT 6 FT FROM BENT 1



Span 2 Right Bridge Rail: 2 - 2" x 2" x 1/2" SPALLS WITH EXPOSED REBARS ON THIRD POST, NO SECTION LOSS



Span 2 Right Bridge Rail: 17 FT OF RAIL WITH SCATTERED SPALLS UP TO 4" x 4" x 3/4" WITH EXPOSED REBARS BUT NO SECTION LOSS AT 49 FT FROM END BENT 1



Span 2 Median Rail: 26" x 12" IMPACT DAMAGE AT MIDSPAN, TOP OF RAIL IS CRACKED, 1/2" PENETRATION x 1/8" WIDE IN EASTBOUND FACE



Expansion Joint : JOINT AT BENT 3 EASTBOUND LANES UNDER REPAIR



Span 4 Right Bridge Rail: 4 FT OF 1/2" DEEP IMPACT GOUGES TO CONCRETE RAIL AT 9 FT FROM END BENT 2



Span 4 Right Bridge Rail: 9 FT OF IMPACT DAMAGE TO GUARDRAIL AT END BENT 2



Span 4 Right Bridge Rail: TRAILING EDGE GAP IN GUARDRAIL AT END BENT 2 EASTBOUND LANES



Approach 2: ASPHALT WEARING SURFACE CRACKED AT END OF BRIDGE, FULL WIDTH x UP TO 1/8" WIDE
WITH 1/2" DIVOTS



LOOKING EAST (COVER PHOTO)



LOOKING WEST



WEST APPROACH LOOKING WEST



LEFT BARRIER RAIL



MEDIAN BARRIER RAIL



GUARDRAIL ATTACHMENT



GUARDRAIL POST SPACING



GUARDRAIL TERMINATION



LOOKING NORTH - SPAN 3



LOOKING NORTH - SPAN 2



LOOKING SOUTH - SPAN 2



LOOKING SOUTH - SPAN 3



EAST APPROACH LOOKING EAST



NORTH PROFILE SPAN 3



SOUTH PROFILE SPAN 3



NORTHWEST WINGWALL (TYPICAL)



TYPICAL END BENT BEARING



EAST APPROACH SLAB, WEST APPROACH SLAB SIMILAR



UNDERSIDE OF SUPERSTRUCTURE SPAN 4



END BENT 1, END BENT 2 SIMILAR



BENT 1



BENT 2



BENT 3



TYPICAL INTERMEDIATE DIAPHRAGM - SPAN 4



ASPHALT WEARING SURFACE SPAN 2, TYPICAL



JOINT AT END BENT 2, SIMILAR AT END BENT 1



JOINT AT BENT 2, SIMILAR JOINTS AT BENT 1 AND 3



END OF BENT CAP AT BENT 3, TYPICAL



TRAFFIC CONTROL LOOKING EAST AT WEST BOUND LANE



TRAFFIC CONTROL LOOKING WEST AT WEST BOUND LANE, BRIDGE CLOSED FOR REPAIR



NORTH PROFILE



SOUTH BOUND VERTICAL CLEARANCE SIGN



NORTH BOUND VERTICAL CLEARANCE SIGN



SOUTH PROFILE



TYPICAL BEARING AT BENT 3



VEGETATION OVERGROWING ON CAP AND COLUMN 4 OF BENT 2



SNOOPER USED



SOUTHWEST BRIDGE MARKER

Stream Bed Soundings

(Profile diagram on following sheet)

County **HAYWOOD**

Structure Number: **430057**

Inspection Date **02/15/2019**

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

Highwater Mark Distance

Location of Highwater Mark

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
1.000	2.700	2.700	TOP OF WINGWALL
2.000	6.500	6.500	TOP OF CAP
3.000	7.900	7.900	END BENT 1
37.000	21.600	0.000	
65.000	41.400	41.900	BENT 1
68.000	43.200	0.000	WSWE
70.000	44.700	0.000	
81.000	43.500	0.000	WSWE
113.000	38.600	0.000	
130.000	33.200	34.400	BENT 2
155.000	20.800	0.000	TOP OF SLOPE
159.000	20.600	0.000	EDGE OF ROADWAY
194.000	21.200	0.000	EDGE OF ROADWAY
196.000	21.800	25.400	BENT 3
203.000	22.500	0.000	BOTTOM OF SLOPE
243.000	7.000	7.100	END BENT 2
244.500	6.000	6.300	TOP OF CAP
245.000	2.700	2.700	TOP OF WINGWALL

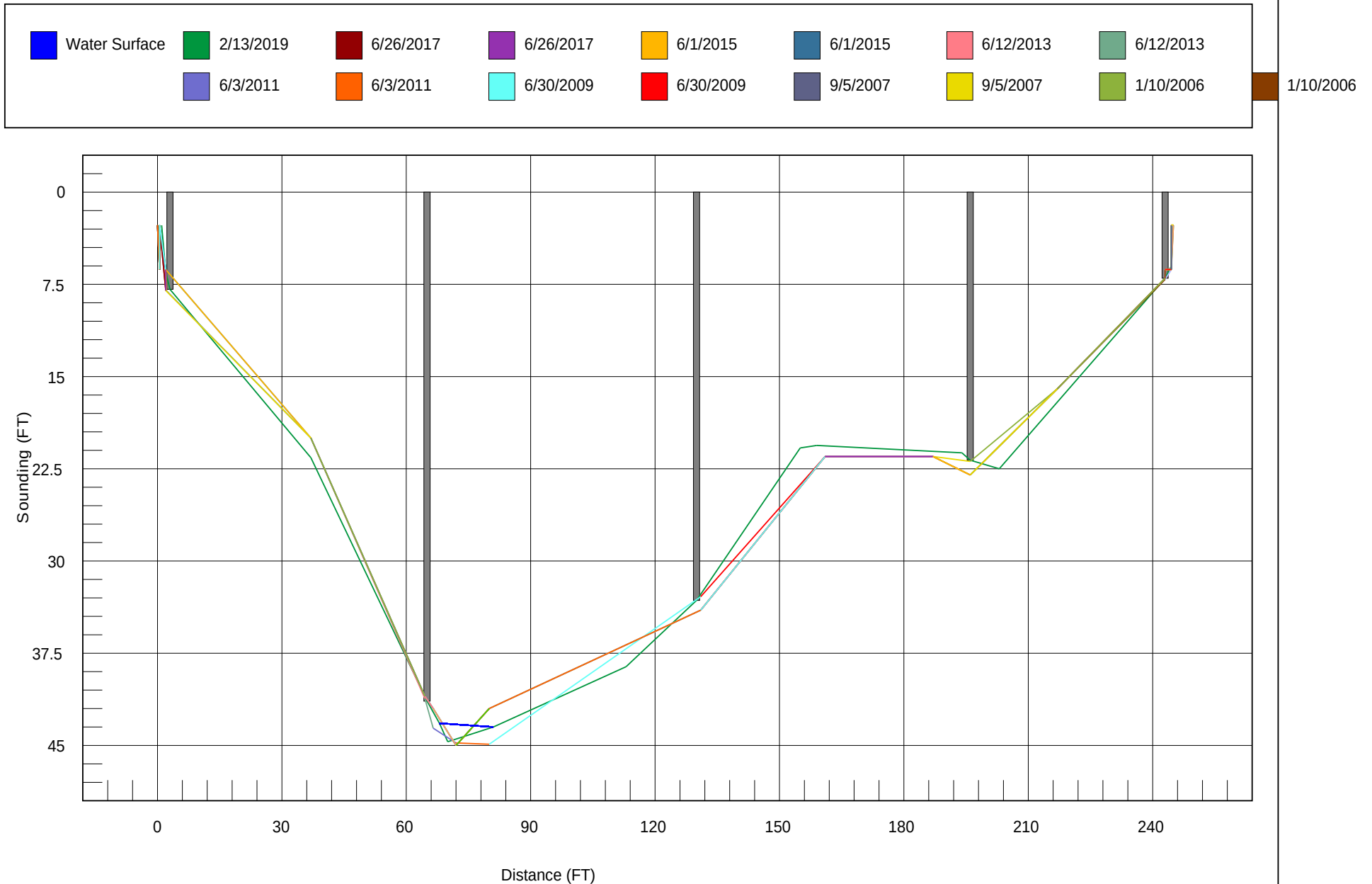
Bridge: 430057

County: HAYWOOD

Date: 02/13/2019

STREAMBED PROFILE (Downstream)

Top of Rail = 0FT (Sounding)

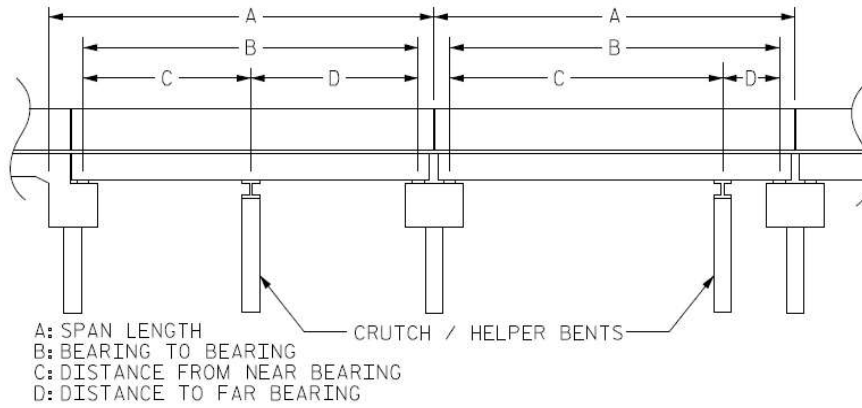


Structure Data Worksheet

Span Profile

County: **HAYWOOD**

Structure Number: **430057**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	65.010	63.083			
2	65.010	63.417			
3	65.010	63.417			
4	50.010	47.250			

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

Run Date: 04/22/2019

IDENTIFICATION					
(1) STATE NAME -NORTH CAROLINA	BRIDGE	430057		SUFFICIENCY RATING =	53.87
(8) STRUCTURE NUMBER(FEDERAL)		00000000870057		STATUS =	Not Deficient
(5) INVENTORY ROUTE (ON/UNDER) - ON		11000400			
(2) STATE HIGHWAY DEPARTMENT DISTRICT		2		CLASSIFICATION	
(3) COUNTY CODE	87	(4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -	YES
(6) FEATURE INTERSECTED -	USFS RD.& COLD SPRING CR			(104)HIGHWAY SYSTEM	Is on the NHS
(7) FACILITY CARRIED	I-40			(26) FUNCTIONAL CLASS -	Arterial - Interstate
(9) LOCATION	8.3 MI.W.JCT.SR1338			(100)STRAHNET HIGHWAY -	Interstate STRAHNET Route
(11)MILEPOINT		6.7		(101)PARALLEL STRUCTURE -	No Parallel Structure
(16)LAT	35° 44' 14.51"	(17)LONG	83° 1' 26.12"	(102)DIRECTION OF TRAFFIC -	2-way Traffic
(98)BORDER BRIDGE STATE CODE		PCT SHARE		(103)TEMPORARY STRUCTURE -	
(99)BORDER BRIDGE STRUCTURE NO				(110)DESIGNATED NATIONAL NETWORK -	On the National Network
				(20) TOLL	On Free Road
				(31) MAINTAIN -	State Highway Agency
				(22) OWNER -	State Highway Agency
				(37) HISTORICAL SIGNIFICANCE -	Not Eligible
STRUCTURE TYPE AND MATERIAL				CONDITION	
(43) STRUCTURE TYPE MAIN:	Steel			(58) DECK	
TYPE -	Stringer Mutlibeam or Girder	CODE	302	(59) SUPERSTRUCTURE	
(44) STRUCTURE TYPE APPR :				(60) SUBSTRUCTURE	
TYPE -		CODE	000	(61) CHANNEL & CHANNEL PROTECTION	
(45) NUMBER OF SPANS IN MAIN UNIT			4	(62) CULVERTS	
(46) NUMBER OF APPROACH SPANS					
(107)DECK STRUCTURE TYPE -	1	CODE		LOAD RATING AND POSTING	
(108)WEARING SURFACE / PROTECTIVE SYSTEM :				(31) DESIGN LOAD	HS 20 + MOD
(A) TYPE OF WEARING SURFACE -	Latex Concrete	CODE	3	(63) OPERATING RATING METHOD -	Load Factor
(B) TYPE OF MEMBRANE -	None	CODE	0	(64) OPERATING RATING -	HS-43
(C) TYPE OF DECK PROTECTION -	None	CODE	0	(65) INVENTORY RATING METHOD -	Load Factor
				(66) INVENTORY RATING -	HS-26
				(70) BRIDGE POSTING -	No Posting Required
				(41) STRUCTURE OPEN, POSTED ,OR CLOSED	A
				DESCRIPTION -	Open, No Restriction
AGE AND SERVICE				APPRAISAL	
(27) YEAR BUILT			1965	(67) STRUCTURAL EVALUATION	
(106)YEAR RECONSTRUCTED			2011	(68) DECK GEOMETRY	
(42) TYPE OF SERVICE : ON -	Highway			(69) UNDERCLEARANCES,VERTI & HORIZ	
UNDER -	Highway - Waterway	CODE	16	(71) WATERWAY ADEQUACY	
(28) LANES: ON STRUCTURE	4	UNDER STRUCTURE	2	(72) APPROACH ROADWAY ALIGNMENT	
(29) AVERAGE DAILY TRAFFIC			26000	(36) TRAFFIC SAFETY FEATURES	1111
(30) YEAR OF ADT	2017	(109) TRUCK ADT PCT	23%	(113)SCOUR CRITICAL BRIDGES	8
(19) BYPASS OR DETOUR LENGTH			40 MI		
GEOMETRIC DATA				PROPOSED IMPROVEMENTS	
(48) LENGTH OF MAXIMUM SPAN			63 FT	(75) TYPE OF WORK -	CODE
(49) STRUCTURE LENGTH			245 FT	(76) LENGTH OF STRUCTURE IMPROVEMENT	
(50)CURB OR SIDEWALK: LEFT	1 FT	RIGHT	1 FT	(94) BRIDGE IMPROVEMENT COST	
(51) BRIDGE ROADWAY WIDTH CURB TO CURB			56.25 FT	(95) ROADWAY IMPROVEMENT COST	
(52) DECK WIDTH OUT TO OUT			63.583 FT	(96) TOTAL PROJECT COST	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)			72 FT	(97) YEAR OF IMPROVEMENT COST ESTIMATE	
(33) BRIDGE MEDIAN -	Closed Median	CODE	2	(114)FUTURE ADT	52000
(34) SKEW	18°	(35) STRUCTURE FLARED	0	(115) YEAR FUTURE ADT	2025
(10) INVENTORY ROUTE MIN VERT CLEAR			999.9 FT		
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR			56.25 FT	INSPECTIONS	
(53) MIN VERT CLEAR OVER BRIDGE RDWY			999.9 FT	(90) INSPECTION DATE	02/13/2019
(54) MIN VERT UNDERCLEAR REF	Highway		14.25 FT	(92) CRITICAL FEATURE INSPECTION :	(93) CFI DATE
(55) MIN LAT UNDERCLEAR RT REF	Highway		6 FT	A) FRACTURE CRIT DETAIL -	NO
(56) MIN LAT UNDERCLEAR LT REF -			0 FT	B) UNDERWATER INSP -	NO
				C) OTHER SPECIAL INSP	NO
				SCOUR	
NAVIGATION DATA					
(38) NAVIGATION CONTROL -	No Navigational Control	CODE	0		
(111)PIER PROTECTION -		CODE			
(39) NAVIGATION VERTICAL CLEARANCE			0		
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR			FT		
(40) NAVIGATION HORIZONTAL CLEARANCE			0 FT		

Structure No: 430057

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
3	USFS ROAD	80000000	14.25		0			9	2	10	2009	33.5	H	14.25	6		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: 04/22/2019

COUNTY : HAYWOOD DIVISION : 14 DISTRICT : 2 STRUCTURE NUMBER : 430057 LENGTH : 245 FEET

ROUTE CARRIED : I-40 FEATURE INTERSECTED : USFS RD.& COLD SPRING CR

LOCATED : 8.3 MI.W.JCT.SR1338 BRIDGE NAME : CITY :

FUNC. CLASS : 01 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 26000 2017 RAIL TYPE : LT 713 RT 713

BUILT : 1965 BY : SHC PROJ : 8.19456 FED.AID PROJ : I-40-1(13)6 DESIGN LOAD : HS 20 + MOD

REHAB : 2011 BY : DOH PROJ : 45438.3.21 ALIGNMENT : RT SKEW : 72 LANES : ON 4 UNDER 2

NAVIGATION : VC 0 FT HC 0 FT HT. CRN. TO BED : 42 FT WATER DEPTH : 2 FT

SUPERSTRUCTURE : REINFORCED CONCRETE FLOOR ON I-BEAMS(LATEX MODIFIED CONC. OVERLAY)

SUBSTRUCTURE : E.BTS:RC CAPS/H-PILES;INT.BTS:RC P&B,BT:3/PILE FTGS.

SPANS : 3 @ 65'-.12; 1 @ 50'-.12

BEAMS OR GIRDERS : SPNS1,2&3:10 LNS 36 I-BMS;SPN4:10 LNS 33 I-BMS@VAR.CENTERS

FLOOR : 7.5 RC/NO AWS ENCROACHMENT : DECK (OUT TO OUT) : 63.583 FT

CLEAR ROADWAY : 56.25 FT BETWEEN RAILS : 58.25 FT SIDEWALK OR CURB : LT 1 FT RT 1 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-26 OPE.RTG. : HS-43 CONTR.MEMBER : IB#9-SpD 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
3	USFS ROAD	14.25	14.25	33.50	0	6

Note: All measurements are in feet.

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430057

County HAYWOOD

Date: 02/13/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	6	Span 3 Beam 5: 6 FT. OF CORROSION WITH 0.4" REMAINING SECTION BY FULL HEIGHT IN STIFFENER AND 3/4" REMAINING SECTION BY FULL WIDTH OF BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED)	
 3314	Maintain Steel Superstructure Components	LF	3	Span 3 Beam 6: 3 FT. OF CORROSION WITH 1/2" BY FULL WIDTH REMAINING SECTION IN BOTTOM FLANGE AND 2.5" X 1" HOLE IN BEARING STIFFENER AT BENT 2 (PRIORITY MAINTENANCE ISSUED)	
 3314	Maintain Steel Superstructure Components	LF	5	Span 4 Beam 5: 10" LONG x FULL HEIGHT OF SURFACE CORROSION WITH 0.3" REMAINING THICKNESS IN LOWER WEB AND 5/8" REMAINING SECTION IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED)	
 3314	Maintain Steel Superstructure Components	LF	1	Span 4 Beam 4: CORROSION WITH SECTION LOSS ON BEARING STIFFENER FOR 11" HIGH, 0.15" THICKNESS REMAINS, PRIORITY MAINTENANCE ISSUED	
 3314	Maintain Steel Superstructure Components	LF	5	Span 4 Beam 4: 1 FT. OF CORROSION WITH 0.4" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED)	
 3314	Maintain Steel Superstructure Components	LF	1	Span 4 Beam 3: 1 FT. OF CORROSION WITH 0.4" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED)	
 3314	Maintain Steel Superstructure Components	LF	1	Span 4 Beam 2: 1 FT LONG SECTION LOSS IN BOTTOM FLANGE AT BENT 3, 0.4" THICK SECTION REMAINS, PRIORITY MAINTENANCE ISSUED	
 3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 6: 2 FT. OF SURFACE CORROSION, 0.45" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED)	
 3314	Maintain Steel Superstructure Components	LF	1	Span 3 Beam 5: BEARING STIFFENER HAS SECTION LOSS FOR 5" TALL x FULL WIDTH, 0.1" THICKNESS REMAINS AT BENT 3. PRIORITY MAINTENANCE ISSUED	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430057

County HAYWOOD

Date: 02/13/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3318	Maint to Concrete Handrail	LF	0	Span 1 Left Bridge Rail: 5 FT OF MISSING GUARDRAIL AT END BENT 1 IN LEFT BARRIER RAIL	
 3318	Maint to Concrete Handrail	LF	5	Span 2 Left Bridge Rail: FULL LENGTH OF IMPACT DAMAGE ON GUARDRAIL ATTACHMENT, BROKEN AND INEFFECTIVE	
 3348	Maintain Concrete Substructure Components	LF	8	Bent 3 Pile 1: 8 FT. X 10" X 9" DEEP SPALL WITH EXPOSED MAIN REBAR WITH 1 1/2" REMAINING SECTION IN SOUTHWEST CORNER (PRIORITY MAINTENANCE ISSUED)	
 3348	Maintain Concrete Substructure Components	LF	8	Bent 3 Pile 1: 8.5 FT. X 8" X 10" DEEP SPALL WITH EXPOSED REBAR WITH 1 1/2" REMAINING SECTION IN SOUTHEAST CORNER (PRIORITY MAINTENANCE ISSUED)	
3334	Bridge Bearings	EA	1	Span 4 Beam 2 Near Bearing: ANCHOR BOLT NUT CORRODED AWAY, GIRDER BOTTOM FLANGE NOT SECURE, PM	
3348	Maintain Concrete Substructure Components	LF	9	Bent 2 Cap 1: 10 FT X 20" HIGH DELAMINATION IN WEST FACE UNDER BAYS 4 TO 6 (PRIORITY MAINTENANCE ISSUED)	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430057

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	6 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/15/2019	JOSHUA W GENTRY	
Details		
Span 3 Beam 5: 6 FT. OF CORROSION WITH 0.4" REMAINING SECTION BY FULL HEIGHT IN STIFFENER AND 3/4" REMAINING SECTION BY FULL WIDTH OF BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED)		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/15/2019	JOSHUA W GENTRY	
Details		
Span 3 Beam 6: 3 FT. OF CORROSION WITH 1/2" BY FULL WIDTH REMAINING SECTION IN BOTTOM FLANGE AND 2.5" X 1" HOLE IN BEARING STIFFENER AT BENT 2 (PRIORITY MAINTENANCE ISSUED)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430057

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/18/2019	JOSHUA W. GENTRY	
Details		
Span 4 Beam 5: 10" LONG x FULL HEIGHT OF SURFACE CORROSION WITH 0.3" REMAINING THICKNESS IN LOWER WEB AND 5/8" REMAINING SECTION IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED)		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/18/2019	JOSHUA W. GENTRY	
Details		
Span 4 Beam 4: CORROSION WITH SECTION LOSS ON BEARING STIFFENER FOR 11" HIGH, 0.15" THICKNESS REMAINS, PRIORITY MAINTENANCE ISSUED		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430057

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/18/2019	JOSHUA W. GENTRY	
Details		
Span 4 Beam 4: 1 FT. OF CORROSION WITH 0.4" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED)		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/18/2019	JOSHUA W. GENTRY	
Details		
Span 4 Beam 3: 1 FT. OF CORROSION WITH 0.4" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430057

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/18/2019	JOSHUA W. GENTRY	
Details		
Span 4 Beam 2: 1 FT LONG SECTION LOSS IN BOTTOM FLANGE AT BENT 3, 0.4" THICK SECTION REMAINS, PRIORITY MAINTENANCE ISSUED		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/18/2019	JOSHUA W. GENTRY	
Details		
Span 3 Beam 6: 2 FT. OF SURFACE CORROSION, 0.45" REMAINING THICKNESS IN BOTTOM FLANGE AT BENT 3 (PRIORITY MAINTENANCE ISSUED)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430057

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/18/2019	JOSHUA W. GENTRY	
Details		
Span 3 Beam 5: BEARING STIFFENER HAS SECTION LOSS FOR 5" TALL x FULL WIDTH, 0.1" THICKNESS REMAINS AT BENT 3. PRIORITY MAINTENANCE ISSUED		

MMS Code	MMS Description	Quantity
3318	Maint to Concrete Handrail	0 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/15/2019	JOSHUA W. GENTRY	
Details		
Span 1 Left Bridge Rail: 5 FT OF MISSING GUARDRAIL AT END BENT 1 IN LEFT BARRIER RAIL		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430057

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3318	Maint to Concrete Handrail	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/15/2019	JOSHUA W. GENTRY	
Details		
Span 2 Left Bridge Rail: FULL LENGTH OF IMPACT DAMAGE ON GUARDRAIL ATTACHMENT, BROKEN AND INEFFECTIVE		

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:
02/18/2019	JOSHUA W. GENTRY	
Details		
Bent 3 Pile 1: 8 FT. X 10" X 9" DEEP SPALL WITH EXPOSED MAIN REBAR WITH 1 1/2" REMAINING SECTION IN SOUTHWEST CORNER (PRIORITY MAINTENANCE ISSUED)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430057

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:
02/18/2019	JOSHUA W. GENTRY	
Details		
Bent 3 Pile 1: 8.5 FT. X 8" X 10" DEEP SPALL WITH EXPOSED REBAR WITH 1 1/2" REMAINING SECTION IN SOUTHEAST CORNER (PRIORITY MAINTENANCE ISSUED)		

MMS Code	MMS Description	Quantity
3334	Bridge Bearings	1 EA
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
02/13/2019	JOSHUA W GENTRY	
Details		
Span 4 Beam 2 Near Bearing: ANCHOR BOLT NUT CORRODED AWAY, GIRDER BOTTOM FLANGE NOT SECURE, PM		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430057

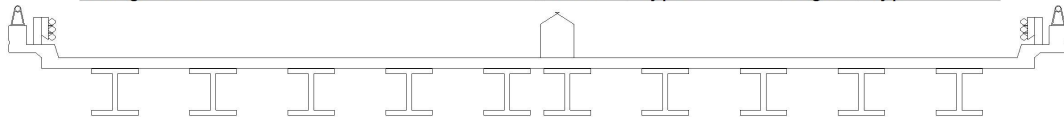
County HAYWOOD

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	9 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
02/15/2019	JOSHUA W GENTRY	
Details		
Bent 2 Cap 1: 10 FT X 20" HIGH DELAMINATION IN WEST FACE UNDER BAYS 4 TO 6 (PRIORITY MAINTENANCE ISSUED)		

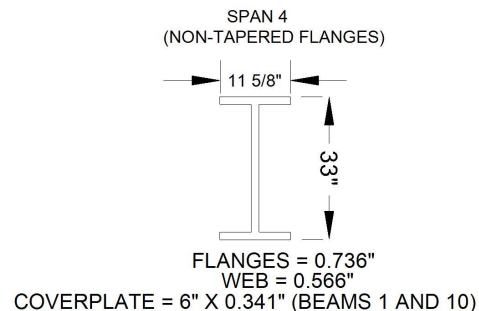
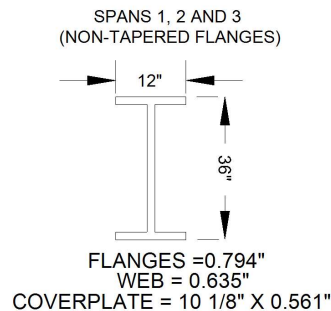
Bridge Inspection Field Sketch

Deck Width/Out to Out	63.583ft	Between Rails	58.25ft
Clear Roadway	56.25ft	Wearing Surface	0ft
Median Width	2ft	Median Height	2.667ft
Curb Height		Left	0.667ft
Sidewalk Width		Right	0.667ft
Clear Roadway (Rail to Median)		Left	28.25ft
Guardrail Width		Right	28ft
Top of Rail to Deck/Wearing Surface		Left	2.667ft
Bridge Rail		Right	2.667ft
		Left	Type 9
		Right	Type 9



Measurements for Span #	1		
Deck Thickness	.625	Left Overhang	3.750
Top of Rail to Bottom of Beam	6.291	Right Overhang	3.750

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	6.5ft	
2	Steel I Beam	6.5ft	
3	Steel I Beam	6.5ft	
4	Steel I Beam	6.5ft	
5	Steel I Beam	4ft	
6	Steel I Beam	6.5ft	
7	Steel I Beam	6.5ft	
8	Steel I Beam	6.5ft	
9	Steel I Beam	6.5ft	
10	Steel I Beam	ft	



MEASUREMENTS VERIFIED 2/13/2019 BY JWG

Title

Typical Section

Description

Data Worksheet

Bridge No: 430057

Drawn By: Roy W. Shook

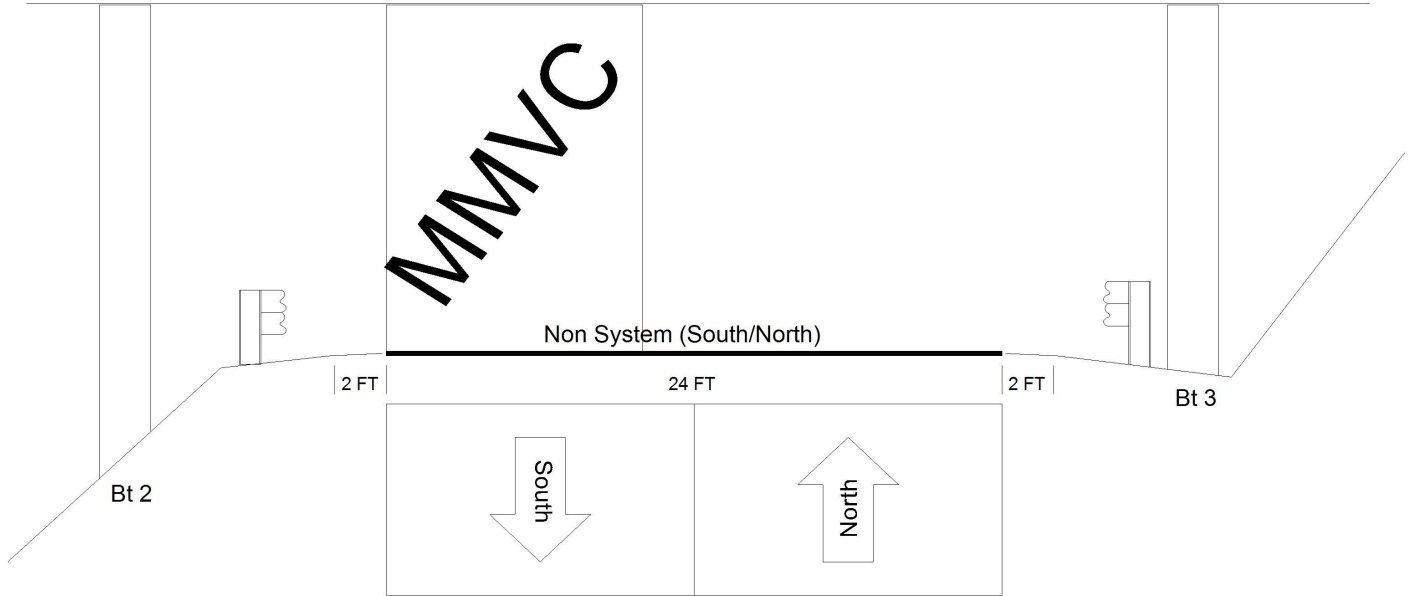
Date: 09/05/2007

File Name: S0106000449

Bridge Inspection Field Sketch

I- 40 (West/East)

Span 3



Roadway 1		Direction of Traffic	North South
Distance to Left Rail	4.7FT	Distance to Right Rail	4.8FT
Distance to Left Toe of Slope	6FT	Distance to Left Bent	27.3FT
Distance to Right Toe of Slope		Distance to Right Bent	6.3FT
MMVC	14.25 Ft at Beam 10, 10 FT from Left Edge Of Roadway		
MVC	14.25 Ft at Beam 10, 0 FT from Right Edge Of Roadway		

MEASUREMENTS VERIFIED 2/13/2019 BY JWG

Title

Underclearance

Description

Data Worksheet

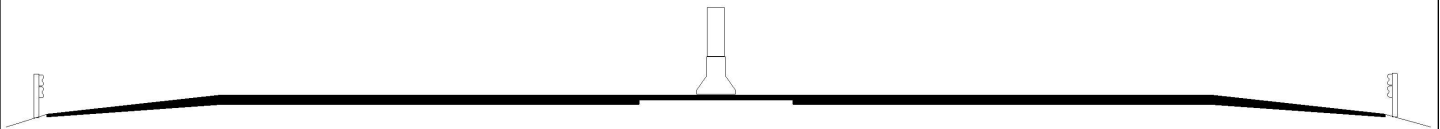
Bridge No: 430057

Drawn By: Roy W. Shook

Date: 09/06/2007

File Name: S0106000450

Bridge Inspection Field Sketch



MEASUREMENTS TAKEN 25 FT AWAY FROM END BENT 1

Left Lanes			
Roadway	24ft Wide	2 Paved Lanes	West Bound
Right Shoulder	10.1ft Wide	10ft Paved	0.1ft Unpaved
Left Shoulder	2ft Wide	2ft Paved	
Right Guardrail	10.1ft from road		
Left Guardrail	2ft from road		
Median	4.833ft Wide		
Right Lanes			
Roadway	24ft Wide	2 Paved Lanes	East Bound
Left Shoulder	2ft Wide	2ft Paved	
Right Shoulder	10.1ft Wide	10ft Paved	0.1ft Unpaved
Left Guardrail	2ft from road		
Right Guardrail	10.1ft from road		

MEASUREMENTS VERIFIED 2/13/2019 BY JWG

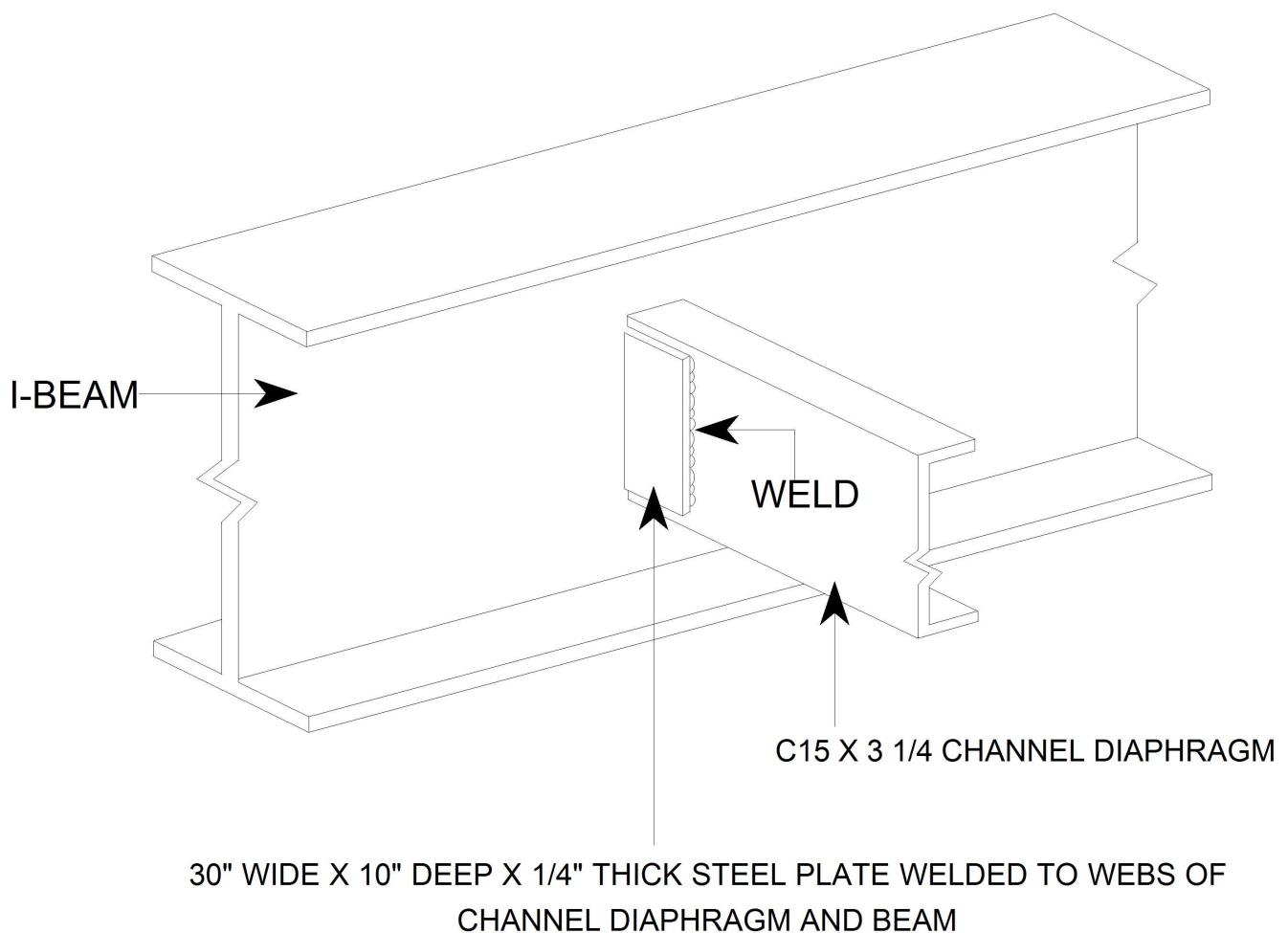
Title		Description	
Approach Roadway		Data Worksheet	
Bridge No:	430057	Drawn By:	DH/RS
Date:	09/06/2007	File Name:	S0106000448

Bridge Inspection Field Sketch										
Cap Information			Material Cast-in-Place Concrete							
Length 62.500 ft.	Width 2.750 ft.	Height 3.000 ft.	Left Overhang 3.667 ft.	Right Overhang 3.333 ft.	Left Beam to End of Cap. 1.833 ft.	Right Beam to End of Cap. 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	18.5 ft.	2.5 ft.	2.25 ft.		Vertical	No	No	No	No
2	Concrete	18.5 ft.	2.5 ft.	2.25 ft.		Vertical	No	No	No	No
3	Concrete	18.5 ft.	2.5 ft.	2.25 ft.		Vertical	No	No	No	No
4	Concrete		2.5 ft.	2.25 ft.		Vertical	No	No	No	No
Bent/Abutment #: 1			Similar Bents: 2 & 3							
Title MEASUREMENTS VERIFIED 2/13/2019 BY JWG INTERIOR BENTS						Description SUBSTRUCTURE DETAILS				
Bridge No: 430057		Drawn By: JOE C HUNTSINGER				Date: 6/12/2013		File Name: S0106001637		

Bridge Inspection Field Sketch

DIAPHRAGM DETAILS

LOCATED AT THE 1/3 POINTS OF SPANS 1, 2 AND 3
AND THE MIDPOINT OF SPAN 4



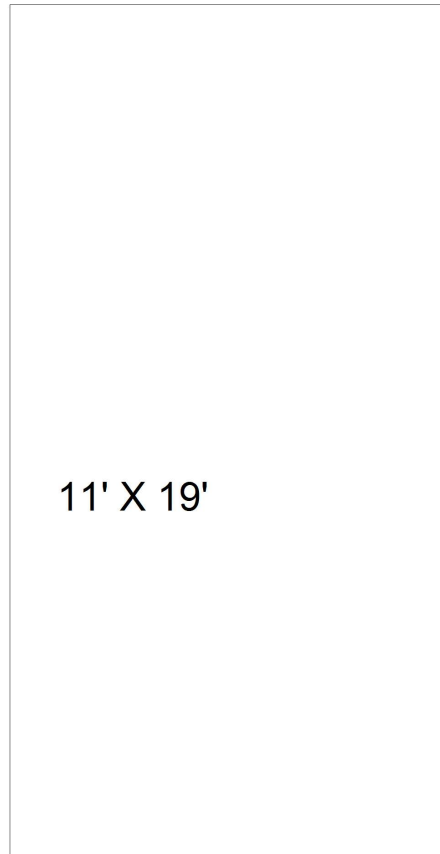
MEASUREMENTS VERIFIED 2/13/2019 BY JWG

Title		Description	
INTERMEDIATE DIAPHRAGMS		SUPERSTRUCTURE DETAILS	
Bridge No:	430057	Drawn By:	JOE C HUNTSINGER
Date:	6/12/2013	File Name:	S0106001638

Bridge Inspection Field Sketch

DELAMINATION

WEST BOUND TRAFFIC



2' X 2'

2' X 2'

1' X 2'

1' X 2'

2' X 2'

2' X 2'

2' X 2'

1' X 2'

2' X 2'

2' X 2'

3' X 2'

2' X 2'

1' X 2'

2' X 2'

2' X 2'

3' X 2'

3' X 3'

2' X 2'

11' X 2'

2' X 2'

2' X 2'

2' X 2'

4' X 4'

1' X 2'

2' X 2'

3' X 1'

2' X 2'

10' X 2'

4' X 2'

6' X 2'

4' X 2'

1' X 3'

5' X 2'

4' X 4'

2' X 2'

6' X 8'

3' X 2'

END BENT 1

4' X 2'

Title

DELAMINATION 1

Description

DELAMINATION AND CRACKING DATA
SPAN 1 WEST BOUND LANES

Bridge No: 430057

Drawn By: ME.RENFRO

Date: 12/5/2018

File Name: S0198000775

3' X 1'

Bridge Inspection Field Sketch

WEST BOUND SPAN 2

PATCH 1' X 1'

65' X 15'

DELAMINATION

65' X 10'

DELAMINATION

INT. BENT 2

Title

DELAMINATION AND PATCHES

Description

DELAMINATION AND PATCHES DATA

Bridge No: 430057

Drawn By: ME.RENFRO

Date: 12/5/2018

File Name: S0198000776

Bridge Inspection Field Sketch

SPAN 3 WEST BOUND LANES			
29' X 13'		4' X 3'	4' X 3'
		2' X 3'	
2' X 2'	2' X 2'	3 X 3'	
			2' X 4'
3' X 2'	2' X 2'	2' X 2'	
		2' X 4'	3' X 7'
2' X 2'	2' X 2'		2' X 2'
14' X 12'			
2' X 2' PATCH		2' X 2'	
2' X 2' PATCH			2' X 2'
14' X 11'			
6' X 2'	INT. BENT 2	4' X 2' PATCH	10'X 7'
Title DELAMINATION		Description DELAM. AND PATCHES DATA SPAN 3 WEST BOUND LANES	
Bridge No: 430057	Drawn By: ME.RENFRO	Date: 12/5/2018	File Name: S0198000777

Bridge Inspection Field Sketch

WEST BOUND LANES SPAN 4

5' X 5'

3' X 3'

INT. BENT 3

Title

DELAMINATION ONLY

Description

DELAMINATION SPAN 4 WEST BOUND
LANES

Bridge No: 430057

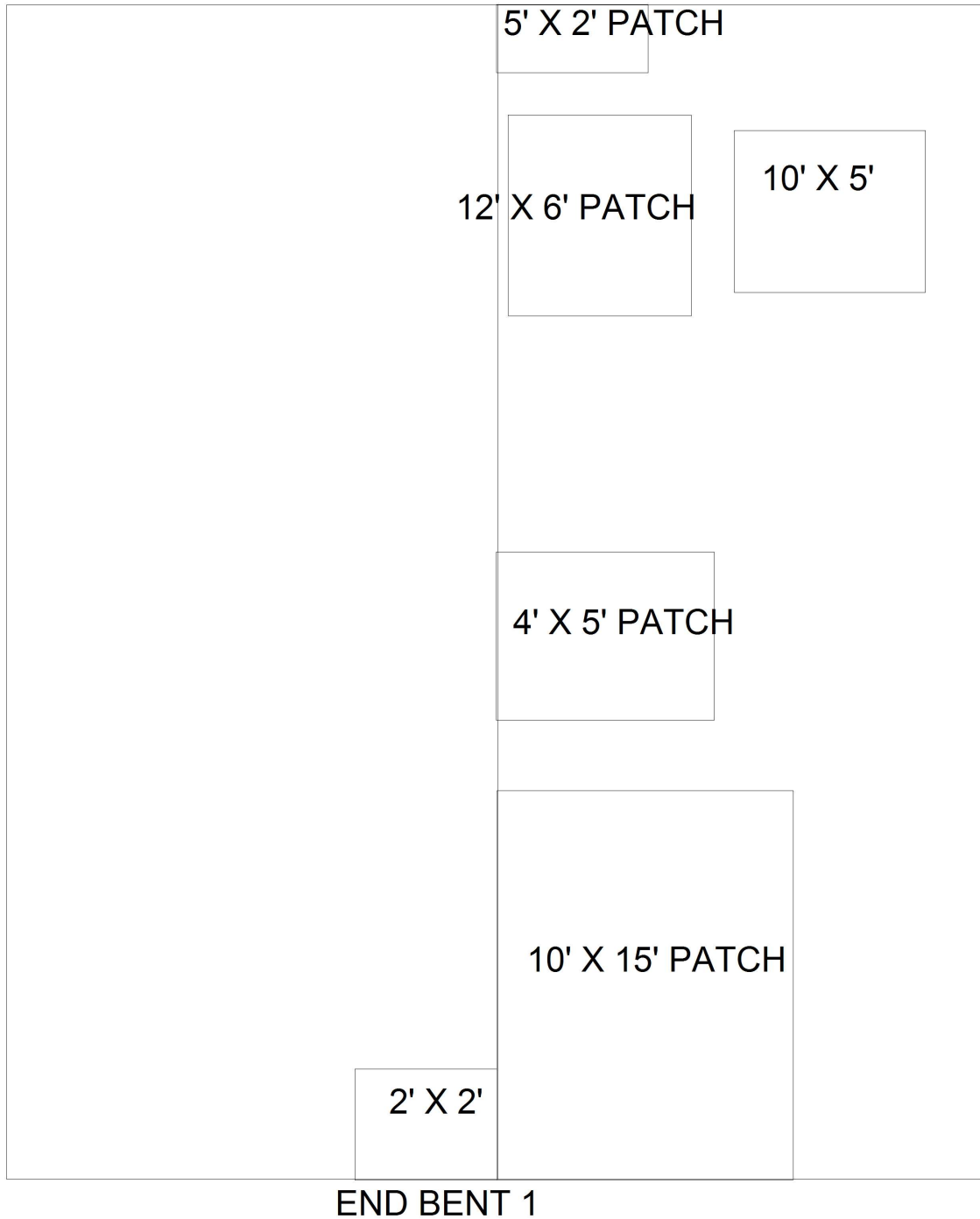
Drawn By: ME.RENFRO

Date: 12/5/2018

File Name: S0198000778

Bridge Inspection Field Sketch

EAST BOUND LANES SPAN 1



Title

DELAMINATION AND PATCHING

Description

DELAMINATION EAST BOUND LANES
SPAN 1

Bridge No: 430057

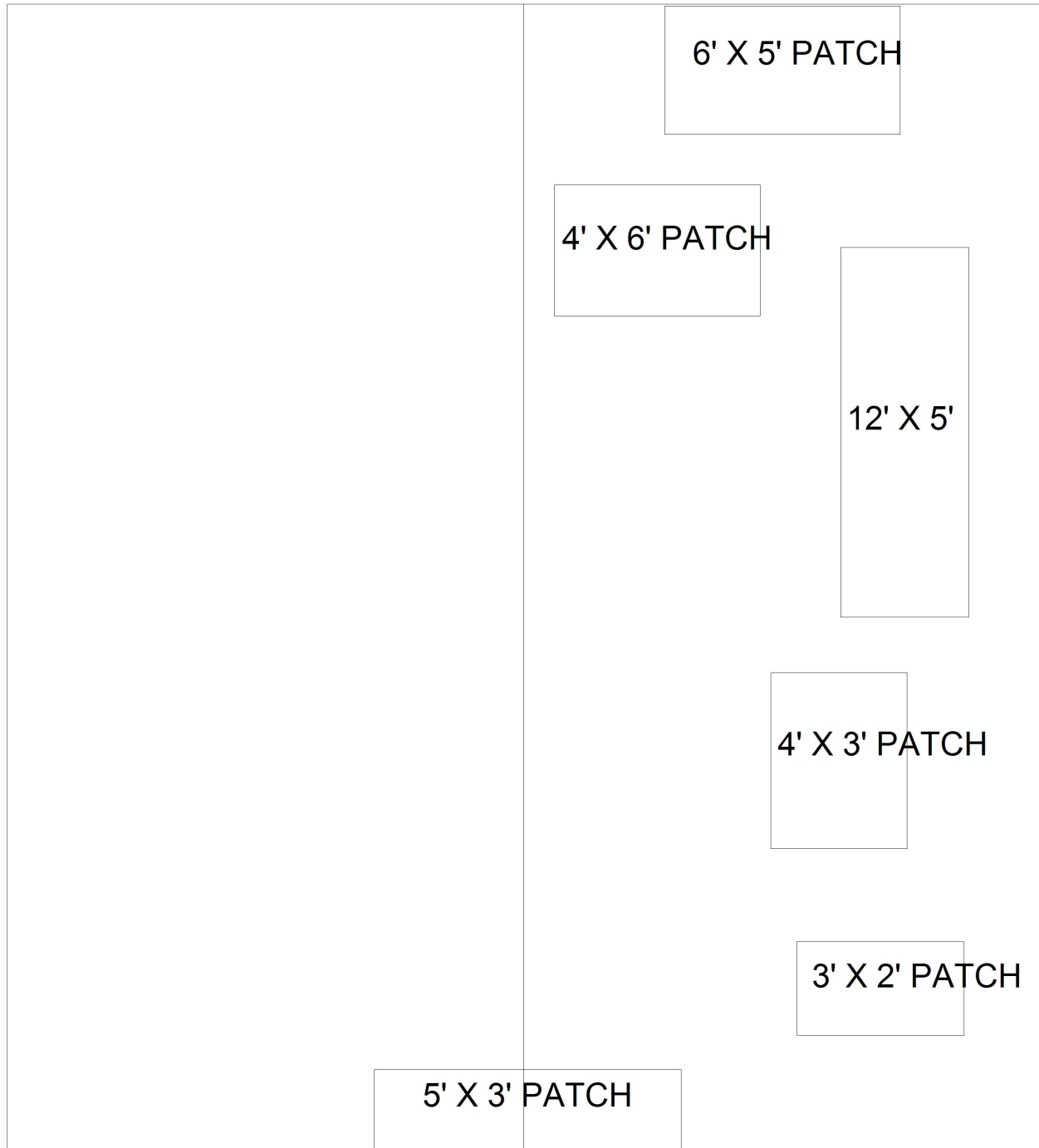
Drawn By: BA WILCOX

Date: 12/5/2018

File Name: S0198000779

Bridge Inspection Field Sketch

EAST BOUND LANES SPAN 2



INTERIOR BENT 1

Title

DELAMINATION AND PATCHES

Description

DELAMINATION EAST BOUND LANES
SPAN 2

Bridge No: 430057

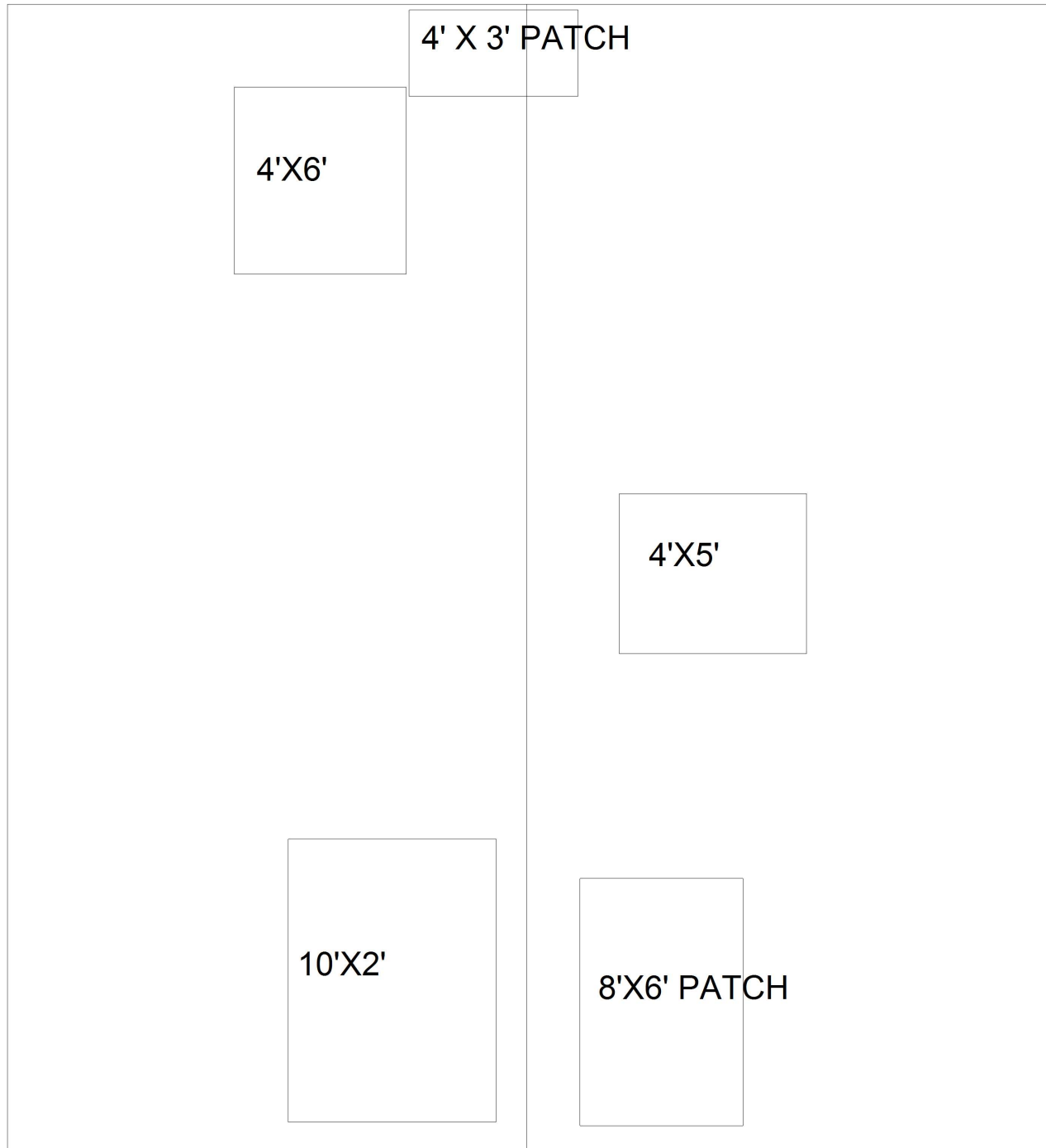
Drawn By: BA WILCOX

Date: 12/5/2018

File Name: S0198000780

Bridge Inspection Field Sketch

EAST BOUND LANES SPAN 3



INTERIOR BENT 2

Title

DELAMINATION

Description

DELAMINATION EAST BOUND LANES
SPAN 3

Bridge No: 430057

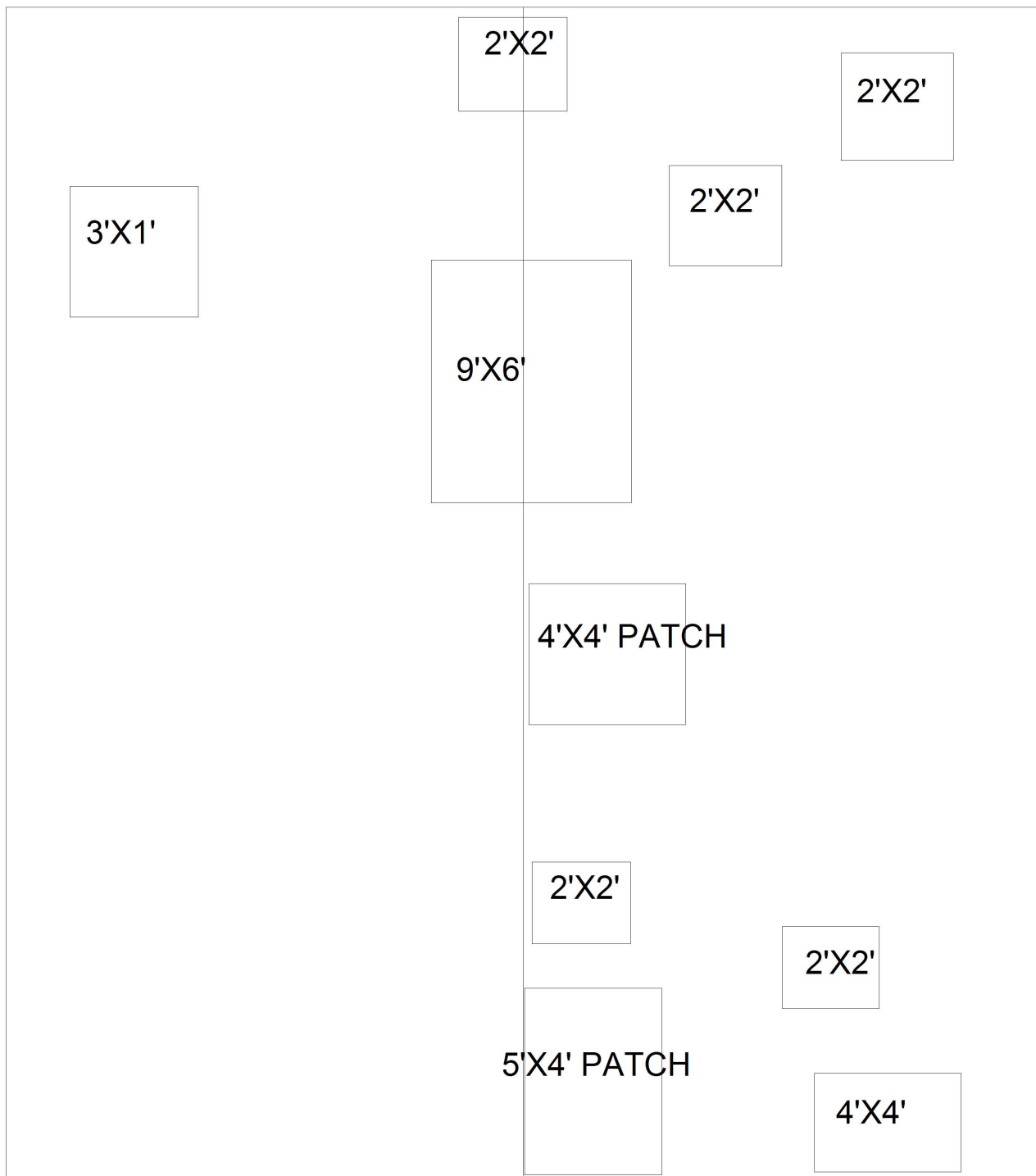
Drawn By: BA WILCOX

Date: 12/5/2018

File Name: S0198000781

Bridge Inspection Field Sketch

EAST BOUND LANES SPAN 4



INTERIOR BENT 3

Title

DELAMINATION AND PATCH

Description

DELAMINATION EAST BOUND LANES
SPAN 4

Bridge No: 430057

Drawn By: BA WILCOX

Date: 12/5/2018

File Name: S0198000782