



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: SNOOPER USED, PRIORITY MAINTENANCE,
STRUCTURALLY DEFICIENT, TEMPORARY REPAIRS.

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 02/18/2019

DIVISION: 14 COUNTY: HAYWOOD STRUCTURE NUMBER: 430142 FREQUENCY: 24 MONTHS

FACILITY CARRIED: I-40 MILE POST: 15

LOCATION: 0.1 MI.E.JCT.SR1338

FEATURE INTERSECTED: PIGEON RIVER

LATITUDE: 35° 39' 49.71" LONGITUDE: 82° 59' 25.12"

SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE: ABUT1:REINF.CONC.; E.BT2:RC CAP/H-PILES;INT.BTS:RC POST&BEAM

SPANS: 5 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

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

NBI GRADES: DECK 5 SUPERSTRUCTURE 6 SUBSTRUCTURE 4 CULVERT N

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: NONE



LOOKING EAST

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

DIRECTION OF INSPECTION W-E

DIRECTION MATCHES PLANS

INSPECTED BY JEREMY KEENE	SIGNATURE <i>Jeremy Keene</i>	ASSISTED BY MAYUR SHARMA
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Structure Element Scoring

Structure Number: 430142

Inspection Date 2/18/2019

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	24070	689	9572	13809	0
107	0	Steel Open Girder/Beam	Beam	3032	2278	752	2	0
515	107	Steel Protective Coating	Beam	29800	29090	40	670	0
205	0	Reinforced Concrete Column	Piles and Columns	20	5	0	15	0
215	0	Reinforced Concrete Abutment	Abutments	210	113	20	75	2
220	0	Reinforced Concrete Pile Cap/Footing	Footing	24	18	6	0	0
225	0	Steel Pile	Piles and Columns	19	19	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	428	76	21	331	0
302	0	Compression Joint Seal	Expansion Joints	164	104	55	5	0
303	0	Assembly Joint with Seal	Expansion Joints	328	308	0	20	0
311	0	Movable Bearing	Bearing Device	40	16	20	4	0
515	311	Steel Protective Coating	Bearing Device	80	32	4	44	0
313	0	Fixed Bearing	Bearing Device	40	14	23	3	0
515	313	Steel Protective Coating	Bearing Device	80	28	0	52	0
321	0	Reinforced Concrete Approach Slabs	Approaches	1740	1740	0	0	0
330	0	Metal Bridge Railing	Bridge Rail	760	311	366	83	0
515	330	Steel Protective Coating	Bridge Rail	760	760	0	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	380	0	0	380	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **430142**

Inspection Date: **02/18/2019**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	395 Square Feet
3326	Reinforced Concrete Deck	Exposed Rebar	1 Square Feet
3326	Reinforced Concrete Deck	Cracking (RC and Other)	17260 Square Feet
3326	Reinforced Concrete Deck	Patched Areas	6 Square Feet
3314	Steel Open Girder/Beam	Corrosion	2 Feet
3348	Reinforced Concrete Column	Patched Area	10 Each
3348	Reinforced Concrete Column	Cracking (RC and Other)	20 Each
3348	Reinforced Concrete Column	Delamination/Spall	325 Each
3350	Reinforced Concrete Abutment	Delamination/Spall	17 Feet
3350	Reinforced Concrete Abutment	Exposed Rebar	3 Feet
3350	Reinforced Concrete Abutment	Cracking (RC and Other)	72 Feet
3348	Reinforced Concrete Pile Cap/Footing	Abrasion/Wear (PSC/RC)	6 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	590 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	12 Feet
3348	Reinforced Concrete Pier Cap	Exposed Rebar	13 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	54 Feet
3348	Reinforced Concrete Pier Cap	Damage	2 Feet
3310	Compression Joint Seal	Adjacent Deck or Header	5 Feet
3334	Movable Bearing	Corrosion	4 Each
3334	Movable Bearing	Connection	2 Each
3334	Fixed Bearing	Loss of Bearing Area	1 Each
3334	Fixed Bearing	Corrosion	3 Each
3322	Metal Bridge Railing	Damage	441 Feet
3318	Reinforced Concrete Bridge Railing	Cracking (RC and Other)	304 Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	810 Square Feet

Element Structure Maintenance Quantities

Structure Number: **430142**

Inspection Date **02/18/2019**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	92	210	2	75	20	113
Approaches	3353	Maintenance of Concrete Bridge Approach Slabs	0	1740	0	0	0	1740
Beam	3314	Maintenance Steel Superstructure Components	2	3032	0	2	752	2278
Beam	3342	Clean and Paint Steel	710	29800	0	670	40	29090
Bearing Device	3334	Bridge Bearing	10	80	0	7	43	30
Bearing Device	3342	Clean and Paint Steel	100	160	0	96	4	60
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	304	380	0	380	0	0
Bridge Rail	3322	Maintenance of Steel Bridge Rail	441	760	0	83	366	311
Bridge Rail	3342	Clean and Paint Steel	0	760	0	0	0	760
Caps	3348	Maintenance of Concrete Substructure	671	428	0	331	21	76
Deck	3326	Maintenance of Concrete Deck	17662	24070	0	13809	9572	689
Expansion Joints	3308	Maintenance of Steel Plate Joints	0	328	0	20	0	308
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	5	164	0	5	55	104
Footing	3348	Maintenance of Concrete Substructure	6	24	0	0	6	18
Piles and Columns	3348	Maintenance of Concrete Substructure	355	20	0	15	0	5
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	19	0	0	0	19

Element Condition and Maintenance Data

Structure Number: 430142

Inspection Date: 02/18/2019

Span 1

Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	4,814	0	501	4,313	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	DIAGONAL CRACKS, UP TO 20 FT LONG, UP TO 1/16" WIDE, SCATTERED THROUHGOUT THE TOP OF THE DECK	3	900	900	Square Feet
12	Cracking (RC and Other)	SCATTERED MAP CRACKING WITH SOME EFFLORESCENCE UP TO 1/32" WIDE THROUGHOUT UNDERSIDE OF DECK	3	2,406	3,000	Square Feet
12	Cracking (RC and Other)	TRANSVERSE CRACKS, UP TO FULL WIDTH, UP TO 1/16" WIDE, SCATTERED THROUGHOUT THE TOP OF THE DECK	3	1,000	1,000	Square Feet
12	Delamination/Spall	12" X 12" X UP TO 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN RIGHT EDGE BEAM AT BEAM 8 WITH RUST STAINING ONTO BEAM BELOW, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	1	Square Feet
12	Delamination/Spall	SPALL WITH EXPOSED REINFORCMENT IN EDGE BEAM AT BEAM 1, 1 FT X 6" X 2" DEEP WITH RUST STAINING ONTO BEAM BELOW, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	1	Square Feet
12	Patched Areas	3 FT X 18" X 2.5" DEEP UNSOUND PATCH WITH SPALLING IN TOP OF DECK IN EASTBOUND TRAVEL LANES AT END BENT 1, NO EXPOSED REINFORCEMENT.	3	5	5	Square Feet
12	Cracking (RC and Other)	SCATTERED TRANSVERSE HAIRLINE CRACKS, SOME WITH EFFLORESCENCE THROUGHOUT UNDERSIDE OF DECK.	2	500		Square Feet
12	Exposed Rebar	10" OF EXPOSED REINFORCEMENT IN UNDERSIDE OF DECK, BAY 1 AT END BENT 1, NO SECTION LOSS.	2	1	1	Square Feet

General Comments

Span 1

Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	76	60	16	0	0	Feet
515	Steel Protective Coating	745	729	0	16	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION FOR FULL WIDTH OF FLANGE FOR 1 FT LONG AT END BENT 1, NO SECTION LOSS.	2	1		Feet
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	15		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	16	16	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	76	61	15	0	0	Feet
515	Steel Protective Coating	745	730	0	15	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	15			Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	15	15		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	76	56	20	0	0	Feet
515	Steel Protective Coating	745	725	0	20	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	20			Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	20	20		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	76	60	16	0	0	Feet
515	Steel Protective Coating	745	729	0	16	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	16			Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	16	16		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	76	59	17	0	0	Feet
515	Steel Protective Coating	745	730	0	15	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		

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107	Corrosion	PAINTE OVER SECTION LOSS IN BOTTOM FLANGE AT BENT 1. SECTION REMAINING IS 2 FT LONG X FULL FLANGE WIDTH X 15/16" THICKNESS REMAINING. SECTION LOSS AND CORROSION HAVE BEEN ARRESTED.	2	2	Feet
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	15	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	15	15 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	76	54	22	0	0 Feet
515	Steel Protective Coating	745	723	22	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	22	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	22	22 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	76	56	20	0	0 Feet
515	Steel Protective Coating	745	725	0	20	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	20	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	20	20 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	76	51	25	0	0 Feet
515	Steel Protective Coating	745	720	0	25	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	25	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	25	25 Square Feet

General Comments

Span 1 Left Bridge Rail**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	76	0	76	0	0	Feet
515	Steel Protective Coating	76	76	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Damage	CONCRETE CURB HAS LONGITUDINAL HAIRLINE CRACKING WITH RUST STAINS SCATTERED THROUGHOUT	2			Feet
330	Damage	SPAN 1, LEFT METAL RAIL HAS 6 FT. OF 2 INCH WIDE TEARS THROUGHOUT OUT THE RAIL. GUARDRAIL REMAINS FUNCTIONAL.	2	76	76	Feet
General Comments						

Span 1 Right Bridge Rail**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
330	Metal Bridge Railing	76	60	16	0	0	Feet
515	Steel Protective Coating	76	76	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Damage	(20) VERTICAL AND HORIZONTAL HAIRLINE CRACKS IN CURB, UP TO FULL HEIGHT, SCATTERED THROUGHOUT LENGTH OF SPAN.	2			Feet
330	Damage	IMPACT DAMAGE FOR 16 FT AT END BENT 1, 2" WIDE TEARS IN METAL RAIL.	2	16	16	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	76	0	0	76	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	MAP CRACKING UP TO 1/16" WIDE THROUGHOUT BOTH FACES	3	76		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, NO SECTION LOSS.	2	1		Each

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General Comments

Movable Bearing

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

Movable Bearing

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

Movable Bearing

515	Steel Protective Coating	2	0	0	2	0	Square Feet
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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	CORROSION WITH PACK RUST, NO SECTION LOSS.	3	1	1	Each	
313	Loss of Bearing Area	APPROXIMATELY 30% UNDERMINING OF BEARING.	2		1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	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		
313	Corrosion	SURFACE CORROSION, NO SECTION LOSS.	2	1		Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST.	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		
313	Corrosion	SURFACE CORROSION, NO SECTION LOSS.	2	1		Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	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		
313	Corrosion	SURFACE CORROSION, NO SECTION LOSS.	2	1		Each	

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515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	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	2	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	CORROSION WITH PACK RUST, NO SECTION LOSS.	3	1	1 Each
313	Loss of Bearing Area	APPROXIMATELY 10% UNDERMINING OF BEARING.	2		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	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
313	Corrosion	CORROSION, NO SECTION LOSS.	2	1	Each
313	Loss of Bearing Area	APPROXIMATELY 10% UNDERMINING OF BEARING.	2		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	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
313	Corrosion	CORROSION, NO SECTION LOSS.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	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	
313	Corrosion	CORROSION, NO SECTION LOSS.	2	1		Each
313	Loss of Bearing Area	APPROXIMATELY 20% UNDERMINING OF BEARING.	2			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2	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	82	29	53	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
302	Seal Adhesion	SEAL ADHESION LOSS, LESS THAN 50% OF THE DEPTH, SCATTERED THROUGHOUT	2	53		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	4,814	0	1,354	3,460	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	SCATTERED MAP CRACKING UP TO 1/32" WIDE WITH SOME AREAS OF EFFLORESCENCE, THROUGHOUT UNDERSIDE OF DECK.	3	1,503	2,200	Square Feet
12	Cracking (RC and Other)	TRANSVERSE CRACKS, UP TO FULL WIDTH, UP TO 1/16" WIDE SCATTERED THROUGHOUT TOP OF DECK.	3	1,900	1,900	Square Feet
12	Delamination/Spall	(2) SPALLS WITH EXPOSED REINFORCEMENT UP TO 12" X 12" X 1" DEEP IN UNDERSIDE OF DECK, BAY 4 AT BENT 1, NO SECTION LOSS OF EXPOSED REINFORCEMENT.	3	2	2	Square Feet
12	Delamination/Spall	1 FT X 10" X UP TO 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF RIGHT OVERHANG AT BENT 2, WITH RUST STAINING ONTO BEAM BELOW, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	1	Square Feet
12	Delamination/Spall	1 FT X 8" X 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF LEFT OVERHANG AT BENT 2 WITH RUST STAINING ONTO BEAM BELOW, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	1	Square Feet
12	Delamination/Spall	8" X 16" X 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF RIGHT OVERHANG AT BENT 1 WITH RUST STAINING ONTO BEAM BELOW, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	2	2	Square Feet
12	Delamination/Spall	SCATTERED DELAMINATIONS IN UNDERSIDE OF DECK, UP TO 10" X 3 FT.	3	50	50	Square Feet
12	Patched Areas	14" X 12" X 2" UNSOUND ASPHALT PATCH IN TOP OF	3	1	1	Square Feet

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		DECK IN WESTBOUND LANES AT BENT 2			
12	Cracking (RC and Other)	HAIRLINE MAP CRACKING SCATTERED THROUGHOUT TOP OF DECK.	2	800	Square Feet
12	Cracking (RC and Other)	TRANSVERSE HAIRLINE CRACKS, SOME WITH EFFLORESCENCE, UP TO FULL BAY WIDTH, SCATTERED THROUGHOUT UNDERSIDE OF DECK.	2	548	Square Feet
12	Patched Areas	12" X 12" SOUND PATCH IN TOP OF DECK IN WESTBOUND LANES AT BENT 1, SIMILAR PATCH AT MIDSPAN.	2	2	Square Feet
12	Patched Areas	24" X 20" SOUND PATCH IN EASTBOUND LANES AT BENT 2.	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	76	54	22	0	0 Feet
515	Steel Protective Coating	745	727	0	18	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PAINTED OVER SECTION LOSS IN BOTTOM FLANGE AT BENT 1. SECTION REMAINING IS 18" LONG X FULL WIDTH OF FLANGE X 7/8" THICKNESS REMAINING. SECTION LOSS HAS BEEN ARRESTED BUT ACTIVE CORROSION IS DEVELOPING.	2	2	Feet
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	20	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	18	18 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	76	60	16	0	0 Feet
515	Steel Protective Coating	745	729	0	16	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	16	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	16	16 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	76	56	20	0	0 Feet
515	Steel Protective Coating	745	725	0	20	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SURFACE CORROSION ON BOTTOM FLANGE FOR 2 FT LONG BEGINNING AT BENT 2, NO SECTION LOSS.	2	2	Feet

PAINTED OVER PITTING UP TO FULL FLANGE WIDTH X 18" LONG X 11/16" THICKNESS REMAINING IN BOTTOM FLANGE AT BENT 2..

107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	18	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	20	20 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	76	60	16	0	0 Feet
515	Steel Protective Coating	745	729	0	16	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SURFACE CORROSION ON BAY 4 DIAPHRAGM AT BENT 3, NO SECTION LOSS.	2		Feet
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	16	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	16	16 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	76	45	31	0	0 Feet
515	Steel Protective Coating	745	714	0	31	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	20	Feet
107	Corrosion	SURFACE CORROSION ON FULL WIDTH OF BOTTOM FLANGE FOR 3 FT AT BENT 2. ARRESTED AND PAINTED OVER PITTING IN TOP OF BOTTOM FLANGE FOR 2 FT LONG X 6" WIDE X UP TO 11/16" THICKNESS REMAINING IN RIGHT BOTTOM FLANGE AT BENT 2.	2	3	Feet
107	Corrosion	SURFACE CORROSION ON LEFT SIDE OF BOTTOM FLANGE FOR 8 FT LONG BEGINNING AT BENT 1, NO SECTION LOSS.	2	8	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	31	31 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	76	53	23	0	0 Feet
515	Steel Protective Coating	745	722	0	23	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	20	Feet
107	Corrosion	SURFACE CORROSION ON FULL WIDTH OF BOTTOM FLANGE FOR 3 FT LONG BEGINNING AT BENT 1, NO SECTION LOSS	2	3	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	23	23 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	76	60	16	0	0 Feet
515	Steel Protective Coating	745	729	0	16	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	16	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	16	16 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	76	38	38	0	0 Feet
515	Steel Protective Coating	745	727	18	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	CORROSION ON WEB AND BOTTOM FLANGE AT BENT 1 FOR 3 FT LONG WITH PAINTED OVER LAMINATED CORROSION. AREA OF SECTION LOSS IN BOTTOM FLANGE IS 3 FT LONG X UP TO 5" WIDE X 7/8" THICKNESS REMAINING. AREA OF SECTION LOSS IN WEB IS 3 FT LONG X UP TO 1" HIGH X 11/16" THICKNESS REMAINING.	2	3	Feet
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	35	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	2	18	18 Square Feet

General Comments**Span 2****Left Bridge Rail****Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	76	0	54	22	0 Feet
515	Steel Protective Coating	76	76	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Damage	CONCRETE CURB HAS A 4 FT X 9" X 8" SPALL, NO EXPOSED REBAR, 23 FT FROM BENT 2	3	4	4 Feet
330	Damage	CONCRETE CURB HAS SCATTERED HORIZONTAL CRACKS UP TO 1/16" WIDE THROUGHOUT	3	18	18 Feet

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330 Damage 2 INCH WIDE TEARS THROUGHOUT OUT THE RAIL. 2 54 76 Feet
GUARDRAIL REMAINS FUNCTIONAL.

General Comments**Span 2 Right Bridge Rail****Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	76	63	13	0	0 Feet
515	Steel Protective Coating	76	76	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Damage	(7) VERTICAL HAIRLINE CRACKS IN CURB, UP TO FULL HEIGHT, SCATTERED THROUGHOUT LENGTH OF SPAN.	2	7	Feet
330	Damage	IMPACT DAMAGE SCATTERED THROUGHOUT SPAN, 2" WIDE TEARS IN METAL RAIL.	2	6	6 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	76	0	0	76	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	MAP CRACKING UP TO 1/16" WIDE THROUGHOUT BOTH FACES	3	76	76 Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION, NO SECTION LOSS.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2 Square Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	1	0	0 Each
515	Steel Protective Coating	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, NO SECTION LOSS	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2 Square Feet
General Comments					

Span 2 Near Bearing

Movable Bearing

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

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

Span 2 Far Bearing

Fixed Bearing

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

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

Span 2 Near Bearing

Movable Bearing

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

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

Span 2 Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments
Span 2
Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments
Span 2
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments
Span 2
Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments
Span 2
Fixed Bearing

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

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

Span 2		Far Bearing					
Fixed Bearing							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing		1	0	1	0	0 Each
515	Steel Protective Coating		2	0	0	2	0 Square Feet
Element Number	Defect Type	Defect Description			CS	CS Qty	Maint Qty
313	Corrosion	FRECKLED RUST			2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST			3	2	2 Square Feet
General Comments							

Span 2		Far Bearing					
Fixed Bearing							
Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	1	0	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet
Element Number	Defect Type	Defect Description		CS	CS Qty	Maint Qty	
General Comments							

Span 2 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	CORROSION WITH PACK RUST, NO SECTION LOSS.	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2	Square Feet

General Comments

Span 2 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION, NO SECTION LOSS.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2	Square Feet

General Comments

Span 2 Expansion Joint**Prefabricated Joint with Seal**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
303	Assembly Joint with Seal	82	74	0	8	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
303	Seal Adhesion	SEAL ADHESION LOSS, LESS THAN FULL DEPTH, FOR 8 FT IN THE LEFT LANE OF THE EASTBOUND LANES	3	8		Feet

General Comments

Span 3 Deck**Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	4,814	6	2,800	2,008	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	TRANSVERSE CRACKS, UP TO FULL WIDTH, UP TO 1/16" WIDE SCATTERED THROUGHOUT TOP OF DECK.	3	1,900	1,900	Square Feet
12	Delamination/Spall	12" X 8" X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT IN EDGE BEAM ADJACENT TO BEAM 8 AT BENT 2 WITH RUST STAINING ONTO BEAM BELOW, NO MEASURABLE SECTION LOSS OF EXPOSED	3	1	1	Square Feet

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		REINFORCEMENT.			
12	Delamination/Spall	2 FT X 3 FT DELAMINATION IN UNDERSIDE OF DECK, BAY 6 AT APPROXIMATELY 1/3 SPAN LENGTH FROM BENT 2.	3	6	6 Square Feet
12	Delamination/Spall	7" X 9" X 1.5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF RIGHT OVERHANG AT BENT 3 WITH RUST STAINING ONTO BEAM BELOW, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	1 Square Feet
12	Delamination/Spall	SCATTERED DELAMINATION AND CRACKING UP TO 1/4" WIDE WITH RUST STAINING IN UNDERSIDE OF OF BOTH OVERHANGS.	3	100	100 Square Feet
12	Cracking (RC and Other)	HAIRLINE MAP CRACKING SCATTERED THROUGHOUT TOP OF DECK.	2	1,400	Square Feet
12	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKS, SOME WITH EFFLORESCENCE IN UNDERSIDE OF DECK.	2	1,400	Square Feet
12	Cracking (RC and Other)	SCATTERED HAIRLINE TRANSVERSE CRACKS UP TO 6 FT LONG, SOME WITH EFFLORESCENCE, IN UNDERSIDE OF DECK.	2		Square Feet

General Comments**Span 3 Beam 1****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	76	58	18	0	0 Feet
515	Steel Protective Coating	745	727	0	18	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	16	Feet
107	Corrosion	SURFACE CORROSION ON UNDERSIDE OF BOTTOM FLANGE, FULL WIDTH, FOR 1.5 FT BEGINNING AT BENT 2, NO SECTION LOSS.	2	2	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	18	18 Square Feet

General Comments**Span 3 Beam 2****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	76	56	20	0	0 Feet
515	Steel Protective Coating	745	725	0	20	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	20	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	20	20 Square Feet

General Comments

Span 3		Beam 5					
Plate Girder							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam		76	56	20	0	0 Feet
515	Steel Protective Coating		745	729	0	16	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	20		Feet	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	16		16 Square Feet	
General Comments							

Span 3**Beam 6****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	76	56	20	0	0	Feet
515	Steel Protective Coating	745	727	0	18	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	18	18	Square Feet

General Comments

Span 3**Beam 7****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	76	60	16	0	0	Feet
515	Steel Protective Coating	745	729	0	16	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	16		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	16	16	Square Feet

General Comments

Span 3**Beam 8****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	76	56	20	0	0	Feet
515	Steel Protective Coating	745	727	0	18	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ON BOTTOM FLANGE FOR FULL WIDTH FOR 2 FT LONG BEGINNING AT BENT 3, NO SECTION LOSS.	2	2		Feet
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	18		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	18	18	Square Feet

General Comments

Span 3 Left Bridge Rail**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	76	0	51	25	0 Feet
515	Steel Protective Coating	76	76	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Damage	CONCRETE CURB HAS SCATTERED HORIZONTAL CRACKS UP TO 1/8" WIDE, WITH RUST STAINING, THROUGHOUT	3	25	25 Feet
330	Damage	SPAN 3 LEFT RAIL HAS 2 INCH WIDE TEARS THROUGHOUT OUT THE RAIL. GUARDRAIL REMAINS FUNCTIONAL.	2	51	76 Feet
General Comments					

Span 3 Right Bridge Rail**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	76	61	15	0	0 Feet
515	Steel Protective Coating	76	76	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Damage	(8) VERTICAL HAIRLINE CRACKS IN CURB, UP TO FULL HEIGHT, SCATTERED THROUGHOUT LENGTH OF SPAN.	2	8	Feet
330	Damage	IMPACT DAMAGE SCATTERED THROUGHOUT SPAN, 2" WIDE TEARS IN METAL RAIL.	2	7	7 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	76	0	0	76	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	MAP CRACKING UP TO 1/16" WIDE THROUGHOUT BOTH FACES	3	76	76	Feet
General Comments						

Span 3 Near Bearing**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
311	Movable Bearing	1	0	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	CORROSION WITH PACK RUST, NO SECTION LOSS.	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2 Square Feet

General Comments**Span 3 Far Bearing****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	1	0	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	CORROSION WITH PACK RUST, NO SECTION LOSS	3	1	1 Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2 Square Feet

General Comments**Span 3 Far Bearing****Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments**Span 3 Near Bearing****Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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General Comments**Span 3 Far Bearing****Fixed Bearing**

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

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

Span 3 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Connection	APPROXIMATELY 30% SECTION REMAINING IN ANCHOR BOLT. CORROSION HAS BEEN ARRESTED AND ANCHOR BOLT HAS BEEN CLEANED AND PAINTED.	2		1	Each
311	Corrosion	FRECKLED RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2	Square Feet

General Comments

Span 3 Near Bearing**Movable Bearing**

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

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

Span 3 Far Bearing**Fixed Bearing**

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

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

Span 3 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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311	Corrosion	FRECKLED RUST	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2 Square Feet
General Comments					

Span 3 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION, NO SECTION LOSS.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2 Square Feet
General Comments					

Span 3 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION, NO SECTION LOSS.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2 Square Feet
General Comments					

Span 3 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	SURFACE CORROSION, NO SECTION LOSS.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2 Square Feet
General Comments					

Span 3 Far Bearing**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	1	0	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
General Comments							

Span 3 Near Bearing**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2		Square Feet
General Comments							

Span 3 Far Bearing**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
313	Corrosion	SURFACE CORROSION, NO SECTION LOSS.	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2		Square Feet
General Comments							

Span 3 Near Bearing**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	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	CORROSION WITH PACK RUST, NO SECTION LOSS.	3	1	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2		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	4,814	187	2,613	2,014	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	TRANSVERSE CRACKS, UP TO FULL WIDTH, UP TO 1/16" WIDE SCATTERED THROUGHOUT TOP OF DECK.	3	1,900	1,900	Square Feet
12	Delamination/Spall	(2) SPALLS WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF LEFT OVERHANG AT BENT 3, UP TO 18" X 8" X UP TO 4" DEEP WITH RUST STAINING ONTO BEAM BELOW, UP TO 30% SECTION REMAINING OF EXPOSED REINFORCEMENT.	3	2	2	Square Feet
12	Delamination/Spall	10" DIAMETER X 2.5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF DECK, BAY 6 NEAR BEAM 6, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	1	Square Feet
12	Delamination/Spall	SCATTERED DELAMINATION AND CRACKING UP TO 1/4" WIDE WITH RUST STAINING IN UNDERSIDE OF OF BOTH OVERHANGS.	3	110	110	Square Feet
12	Delamination/Spall	SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF RIGHT OVERHANG AT BENT 4 WITH RUST STAINING ONTO BEAM BELOW, 1 FT X 9" X UP TO 1.5" DEEP, APPROXIMATELY 70% SECTION REMAINING OF EXPOSED REINFORCEMENT.	3	1	1	Square Feet
12	Cracking (RC and Other)	HAIRLINE MAP CRACKING SCATTERED THROUGHOUT TOP OF DECK.	2	1,400		Square Feet
12	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKING WITH AREAS OF EFFLORESCENCE THROUGHOUT UNDERSIDE OF DECK.	2	1,199	2,200	Square Feet
12	Cracking (RC and Other)	SCATTERED TRANSVERSE HAIRLINE CRACKS IN UNDERSIDE OF DECK, SOME WITH EFFLORESCENCE, UP TO 5 FT WIDE.	2			Square Feet
12	Patched Areas	3 FT X 4.5 FT SOUND PATCH IN TOP OF DECK AT BENT 3, 7 FT FROM THE RIGHT RAIL	2	14		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	76	54	20	2	0	Feet
515	Steel Protective Coating	745	723	0	22	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PAINTED OVER SECTION LOSS IN BOTTOM FLANGE AND WEB AT BENT 3. AREA OF SECTION LOSS IN BOTTOM FLANGE IS FULL FLANGE WIDTH X 2 FT LONG X 15/16" THICKNESS REMAINING. PITTING IN WEB FOR UP TO 6" HIGH X 2 FT LONG X UP TO 5/8" THICKNESS REMAINING. CORROSION ON BOTTOM FLANGE IS NO LONGER ARRESTED.	3	2	2	Feet
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	22	22	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	76	58	18	0	0	Feet
515	Steel Protective Coating	745	727	0	18	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	15		Feet
107	Corrosion	SURFACE CORROSION ON UNDERSIDE OF BOTTOM FLANGE FOR FULL WIDTH, FOR 3 FT LONG BEGINNING AT BENT 4, NO SECTION LOSS.	2	3		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	18	18	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	76	61	15	0	0	Feet
515	Steel Protective Coating	745	730	0	15	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	15		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	15	15	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	76	58	18	0	0	Feet
515	Steel Protective Coating	745	727	0	18	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	16		Feet
107	Corrosion	SURFACE CORROSION ON UNDERSIDE OF BOTTOM FLANGE FOR FULL WIDTH FOR 2 FT LONG BEGINNING AT BENT 3, NO SECTION LOSS.	2	2		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	18	18	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	76	58	18	0	0	Feet
515	Steel Protective Coating	745	727	0	18	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	18		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	18	18	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	76	61	15	0	0	Feet
515	Steel Protective Coating	745	730	0	15	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	15		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	15	15	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	76	60	16	0	0	Feet
515	Steel Protective Coating	745	730	0	15	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	16		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	15	15	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	76	58	18	0	0	Feet
515	Steel Protective Coating	745	729	0	16	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	18	Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	16	16 Square Feet

General Comments**Span 4 Left Bridge Rail****Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	76	16	60	0	0 Feet
515	Steel Protective Coating	76	76	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Damage	CONCRETE CURB HAS SCATTERED VERTICAL HAIRLINE CRACKS SCATTERED THROUGHOUT	2	9	Feet
330	Damage	SPAN 4, LEFT CURB AT BENT 3 HAS A SPALL, 18" LONG X 10" HIGH X 8" DEEP WITH EXPOSED REBAR, NO SECTION LOSS	2	1	1 Feet
330	Damage	SPAN 4, LEFT RAIL HAS 25 FT. OF IMPACT DAMAGE, WITH THE SPACER PIPES CRUSHED, STARTING AT BENT 4; SIMILAR AT BENT 3	2	50	50 Feet

General Comments**Span 4 Right Bridge Rail****Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	76	48	28	0	0 Feet
515	Steel Protective Coating	76	76	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Damage	IMPACT DAMAGE SCATTERED THROUGHOUT SPAN, 2" WIDE TEARS IN METAL RAIL.	2	10	10 Feet
330	Damage	VERTICAL AND HORIZONTAL HAIRLINE CRACKS IN CURB UP TO 3 FT LONG, UP TO FULL HEIGHT OF CURB, SCATTERED THROUGHOUT LENGTH OF SPAN.	2	18	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	76	0	0	76	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	MAP CRACKING UP TO 1/16" WIDE THROUGHOUT BOTH FACES	3	76	76 Feet

General Comments

Span 4 Near Bearing**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Connection	NO OUTBOARD ANCHOR BOLT NUT, UP TO 70% SECTION REMAINING OF OUTBOARD ANCHOR BOLT.	2		1	Each	
311	Corrosion	CORROSION, NO SECTION LOSS.	2	1		Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	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, NO SECTION LOSS.	2	1		Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	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	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, NO SECTION LOSS.	2	1		Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	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, NO SECTION LOSS.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	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	1	0	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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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	FRECKLED RUST	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	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	1	0	0	0 Each
515	Steel Protective Coating	2	2	0	0	0 Square Feet

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

Near 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

General Comments

Far Bearing

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

General Comments

Near 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

General Comments

Far Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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, NO SECTION LOSS.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	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	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, NO SECTION LOSS.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	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, NO SECTION LOSS.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2 Square Feet

General Comments**Span 5****Deck****Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	4,814	496	2,304	2,014	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	TRANSVERSE CRACKS, UP TO FULL WIDTH, UP TO 1/16" WIDE SCATTERED THROUGHOUT TOP OF DECK.	3	1,900	1,900	Square Feet
12	Delamination/Spall	1 FT DIAMETER X 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF DECK IN BAY 7 NEAR BEAM 8 AT BENT 4, NO SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	1	Square Feet
12	Delamination/Spall	1 FT X 1 FT X UP TO 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF RIGHT OVERHANG AT BENT 4, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	1	Square Feet
12	Delamination/Spall	16" X 9" X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF RIGHT OVERHANG, 10 FT FROM END BENT 2, 95% SECTION REMAINING.	3	2	2	Square Feet
12	Delamination/Spall	2 FT X 1 FT X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF LEFT OVERHANG AT BENT 4 WITH RUST STAINING ONTO BEAM BELOW, NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT.	3	2	2	Square Feet
12	Delamination/Spall	SCATTERED DELAMINATION AND CRACKING UP TO 1/4" WIDE WITH RUST STAINING IN UNDERSIDE OF OF BOTH OVERHANGS.	3	100	100	Square Feet
12	Delamination/Spall	SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF LEFT OVERHANG NEAR MIDSPAN. 4 FT LONG X 14" WIDE X UP TO 2" DEEP WITH UP TO 80% SECTION REMAINING IN EXPOSED REINFORCEMENT.	3	8	8	Square Feet
12	Cracking (RC and Other)	HAIRLINE MAP CRACKING SCATTERED THROUGHOUT TOP OF DECK.	2	1,400	360	Square Feet
12	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKING THROUGHOUT UNDERSIDE OF DECK.	2	900		Square Feet
12	Cracking (RC and Other)	SCATTERED TRANSVERSE HAIRLINE CRACKS, SOME WITH EFFLORESCENCE IN UNDERSIDE OF DECK, UP TO FULL BAY WIDTH.	2			Square Feet
12	Delamination/Spall	6" DIAMETER X 1.5" DEEP SPALL IN UNDERSIDE OF BAY 7 AT BENT 4, NO EXPOSED REINFORCEMENT.	2	1	1	Square Feet
12	Patched Areas	20" X 20" SOUND PATCH IN TOP OF DECK IN WESTBOUND LANES AT MIDSPAN.	2	3		Square Feet

General Comments**Span 5****Beam 1****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	75	56	19	0	0	Feet
515	Steel Protective Coating	745	730	0	15	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PAINTED OVER SECTION LOSS IN BOTTOM FLANGE AT BENT 4. AREA OF SECTION LOSS IS 6" X 6" X UP TO 3/4" THICKNESS REMAINING, CORROSION AND SECTION LOSS HAVE BEEN ARRESTED.	2	1		Feet
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	18		Feet

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General Comments

Beam 2

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	75	60	15	0	0 Feet
515	Steel Protective Coating	745	730	0	15	0 Square Feet

General Comments

Beam 3

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	75	55	20	0	0	Feet
515	Steel Protective Coating	745	727	0	18	0	Square Feet

General Comments

Beam 4

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	75	59	16	0	0	Feet
515	Steel Protective Coating	745	730	0	15	0	Square Feet

General Comments

Span 5**Beam 5****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	75	60	15	0	0	Feet
515	Steel Protective Coating	745	730	0	15	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	15		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	15	15	Square Feet

General Comments

Span 5**Beam 6****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	75	60	15	0	0	Feet
515	Steel Protective Coating	745	730	0	15	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	15		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	15	15	Square Feet

General Comments

Span 5**Beam 7****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	75	55	20	0	0	Feet
515	Steel Protective Coating	745	727	0	18	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	18	18	Square Feet

General Comments

Span 5**Beam 8****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	75	59	16	0	0	Feet
515	Steel Protective Coating	745	729	0	16	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ON EDGES OF BOTTOM FLANGE	2	16		Feet

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515		SCATTERED THROUGHOUT SPAN, NO SECTION LOSS.				
	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	16	16	Square Feet
	General Comments					

Span 5 Left Bridge Rail**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	76	30	10	36	0 Feet
515	Steel Protective Coating	76	76	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Damage	CONCRETE CURB HAS SCATTERED HORIZONTAL CRACKS UP TO 1/16" WIDE THROUGHOUT	3	36	36 Feet
330	Damage	SPAN 5 LEFT METAL RAIL HAS 10 FT. OF 2 INCH WIDE TEARS THRU OUT THE LENGTH OF THE RAIL. GUARDRAIL REMAINS FUNCTIONAL.	2	10	10 Feet
General Comments					

Span 5 Right Bridge Rail**Steel Rail**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
330	Metal Bridge Railing	76	33	43	0	0 Feet
515	Steel Protective Coating	76	76	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Damage	(13) VERTICAL HAIRLINE CRACKS IN CURB, UP TO FULL HEIGHT, SCATTERED THROUGHOUT LENGTH OF SPAN.	2	13	Feet
330	Damage	IMPACT DAMAGE SCATTERED THROUGHOUT SPAN, 2" WIDE TEARS IN METAL RAIL.	2	30	30 Feet
General Comments					

Span 5 Median Rail**Concrete Railing**

Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing		76	0	0	76	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	MAP CRACKING UP TO 1/16" WIDE THROUGHOUT BOTH FACES	3	76	76	Feet
General Comments						

Span 5**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	2	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	CORROSION WITH PACK RUST, NO SECTION LOSS.	3	1	1	Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2	Square Feet	
General Comments							

Span 5**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, NO SECTION LOSS	2	1		Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2	Square Feet	
General Comments							

Span 5**Near Bearing****Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	SURFACE CORROSION, NO SECTION LOSS.	2	1		Each	
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2	Square Feet	
General Comments							

Span 5**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, NO SECTION LOSS	2	1		Each	

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515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2 Square Feet
General Comments					

Span 5 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION, NO SECTION LOSS.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2 Square Feet
General Comments					

Span 5 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, NO SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2	Square Feet
General Comments						

Span 5 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	SURFACE CORROSION, NO SECTION LOSS.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2 Square Feet
General Comments					

Span 5 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, NO SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2	Square Feet

General Comments

Span 5 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

Span 5 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

Span 5 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

Span 5 Far Bearing**Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	1	0	0	0	Each
515	Steel Protective Coating	2	2	0	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
General Comments							

Span 5 Near Bearing**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	FRECKLED RUST	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2		Square Feet
General Comments							

Span 5 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, NO SECTION LOSS	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2		Square Feet
General Comments							

Span 5 Near Bearing**Movable Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
311	Movable Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	2	0	0	2	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
311	Corrosion	SURFACE CORROSION, NO SECTION LOSS.	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2		Square Feet

General Comments**Span 5 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, NO SECTION LOSS	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PROTECTIVE COATING HAS STARTED TO FAIL DUE TO RUST	3	2	2 Square Feet

General Comments**Span 5 Expansion Joint****Compression Seal**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
302	Compression Joint Seal	82	75	2	5	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
302	Adjacent Deck or Header	1 FT X 1 FT FAILED PATCH IN THE LEFT EASTBOUND LANE, RIGHT WHEEL PATH	3	1	1 Feet
302	Adjacent Deck or Header	UN SOUND PATCH IN THE ADJACENT HEADER IN THE WEST APPROACH IN THE LEFT WESTBOUND LANE IN THE LEFT WHEEL PATH WITH A 4 FT X 10" X 2" DEEP SPALL WITH NO EXPOSED REBAR	3	4	4 Feet
302	Debris Impaction	DEBRIS IMPACTION FOR 2 FT IN THE LEFT GUTTER; DOES NOT IMPACT MOVEMENT	2	2	Feet

General Comments**Span 5 Expansion Joint****Prefabricated Joint with Seal**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
303	Assembly Joint with Seal	82	70	0	12	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
303	Seal Adhesion	SEAL ADHESION LOSS, LESS THAN FULL DEPTH, FOR 12 FT IN THE LEFT TRAVEL LANE OF THE WESTBOUND LANES	3	12	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	100	7	20	71	2 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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215	Delamination/Spall	SPALL BELOW BEAM 5 BEARING AT END BENT 1. 2 FT X 12" HIGH X UP TO 6" DEEP SPALL WITH APPROXIMATELY 10% OF BEARING UNDERMINED, UP TO 3". ADJACENT DELAMINATION IN TOP OF ABUTMENT BELOW BEAM 5 IS 12" X 12", NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS. ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)	4	2	2 Feet
215	Cracking (RC and Other)	3 FT VERTICAL CRACK UP TO 1/16" WIDE WITH EFFLORESCENCE AND RUST STAINING IN ABUTMENT WALL BELOW BEAM 4.	3	1	1 Feet
215	Cracking (RC and Other)	FULL BAY WIDTH LONGITUDINAL CRACK IN BACKWALL OF BAY 3, UP TO 1" WIDE, 4" BELOW DECK UNDERSIDE.	3	10	10 Feet
215	Cracking (RC and Other)	FULL HEIGHT VERTICAL CRACK UP TO 1/16" WIDE IN FACE OF ABUTMENT BELOW BAY 2, BEGINS AT GROUNDLINE.	3	1	16 Feet
215	Cracking (RC and Other)	SCATTERED HORIZONTAL CRACK IN FACE OF ABUTMENT BELOW BEARING SEATS, UP TO 1/8" WIDE BEGINS BELOW BAY 3 AND TRAVELS TO RIGHT END OF CAP.	3	45	45 Feet
215	Delamination/Spall	3 FT X 1 FT AREA OF DELAMINATION IN FACE OF ABUTMENT BELOW BAY 2.	3	3	3 Feet
215	Delamination/Spall	SPALL BELOW BEAM 8, 4 FT X UP TO 16" HIGH X UP TO 6" DEEP. APPROXIMATELY 20% OF BEARING AREA UNDERMINED, UP TO 4". NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)	3	4	4 Feet
215	Delamination/Spall	SPALL WITH EXPOSED ANCHOR BOLT BELOW BEAM 1 BEARING. 4 FT X 18" HIGH X 7" DEEP WITH APPROXIMATELY 30% UNDERMINING OF BEARING. NO MEASURABLE SECTION LOSS OF EXPOSED ANCHOR BOLT. EXPOSED CONCRETE IS DETERIORATING, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)	3	4	4 Feet
215	Exposed Rebar	SPALL BELOW BEAM 6 BEARING, 3 FT X 14" HIGH X UP TO 6" DEEP WITH APPROXIMATELY 10% OF BEARING AREA UNDERMINED, UP TO 3". NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)	3	3	3 Feet
215	Cracking (RC and Other)	SCATTERED HORIZONTAL HAIRLINE CRACKS WITH RUST STAINING AND EFFLORESCENCE THROUGHOUT FACE OF ABUTMENT BELOW BEARINGS.	2	20	Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	1 FT WIDE X 2 FT HIGH X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTHEAST CORNER OF COLUMN AT GROUNDLINE, NO SECTION LOSS OF EXPOSED REINFORCEMENT.	3		2 Each
205	Delamination/Spall	2 FT HIGH X 1 FT WIDE X UP TO 2" DEEP SPALL WITH EXPOSED REINFORCEMENT ON SOUTHEAST CORNER OF COLUMN AT GROUNDLINE, NO SECTION LOSS.	3	1	2 Each
205	Delamination/Spall	8" X 8" X 3.5 FT HIGH SPALL WITH EXPOSED REINFORCEMENT IN NORTHEAST CORNER OF COLUMN, BEGINNING 1.5 FT BELOW CAP, NO SECTION LOSS OF EXPOSED REINFORCEMENT.	3		4 Each

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	83	3	0	80	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	10 FT HORIZONTAL CRACK UP TO 1/8" WIDE WITH RUST STAINING IN FACE OF CAP, NEAR TOP, SPAN 2 FACE BELOW BAY 4.	3		10 Feet
234	Cracking (RC and Other)	4 FT TRANSVERSE CRACK UP TO 1/16" WIDE, SPAN 1 FACE OF CAP BELOW BAY 1.	3	4	4 Feet
234	Damage	3 FT X 1 FT X UP TO 6" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM OF RIGHT END OF CAP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	1 Feet
234	Damage	8" DIAMETER X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SPAN 2 FACE OF CAP BELOW BEAM 5, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3		1 Feet
234	Delamination/Spall	3 FT X 1 FT X 1 FT SPALL WITH EXPOSED REINFORCEMENT, TOP CORNER OF CAP, SPAN 1 FACE, BELOW BAY 2, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	3	3 Feet
234	Delamination/Spall	3 FT X 18" X 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SPAN 1 FACE OF CAP BELOW BEAM 3, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3		5 Feet
234	Delamination/Spall	3 FT X 8" X UP TO 4" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM OF LEFT END OF CAP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	3 Feet
234	Delamination/Spall	4 FT X 12" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN TOP CORNER OF CAP, SPAN 1 SIDE, BELOW BAY 4, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	4	4 Feet
234	Delamination/Spall	4 FT X 14" DELAMINATION IN FACE OF CAP, SPAN 1 SIDE AT TOP BELOW BAY 1 AND BEAM 2.	3	4	4 Feet
234	Delamination/Spall	4 FT X 14" X 3" DEEP SPALL WITH EXPOSED REINFORCEMENT AND ADJACENT DELAMINATION INTO TOP OF CAP FOR 1 FT, TOP CORNER OF CAP, SPAN 2 SIDE, BAY 1, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT	3	4	4 Feet
234	Delamination/Spall	5 FT X 3 FT AREA OF DELAMINATION IN FACE OF CAP, SPAN 2 SIDE IN BAY 3 NEAR BEAM 4.	3		15 Feet
234	Delamination/Spall	6 FT X 3 FT DELAMINATION WITH AREAS OF SPALLING WITH EXPOSED REINFORCEMENT UP TO 3" DEEP IN UNDERSIDE OF CAP BETWEEN COLUMNS 1 AND 2 FOR 6 FT X 3 FT, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	5	18 Feet
234	Delamination/Spall	DELAMINATION IN BOTTOM CORNER OF CAP, SPAN 2 SIDE BELOW BAY 5, 12 FT LONG X UP TO 16" WIDE.	3		12 Feet
234	Delamination/Spall	DELAMINATION IN FACE OF CAP AT BOTTOM, SPAN 2 SIDE, BELOW BEAM 7 FOR 6 FT X 1 FT.	3		7 Feet
234	Delamination/Spall	DELAMINATION IN TOP CORNER OF CAP BELOW BEAM 3 AND BAY 2, 9 FT LONG X UP TO 2 FT INTO FACE OF CAP X UP TO 1 FT INTO TOP OF CAP.	3	8	8 Feet
234	Delamination/Spall	DELAMINATION IN TOP CORNER OF CAP, SPAN 1 SIDE BELOW BEAM 6, DELAMINATION IS 4 FT X 10" HIGH IN FACE OF CAP X UP TO 6" INTO TOP OF CAP, BEARING AREA UNDER BEAM 6 IS UNAFFECTED.	3		4 Feet
234	Delamination/Spall	DELAMINATION IN TOP CORNER OF CAP, SPAN 1 SIDE BELOW BEAMS 7 AND 8. DELAMINATION IS 15 FT LONG X UP TO 18" HIGH IN FACE OF CAP X UP TO 6" INTO TOP OF CAP, BEARING AREA BELOW BEAM 7 IS PARTIALLY DELAMINATED.	3	15	15 Feet
234	Delamination/Spall	DELAMINATION IN TOP CORNER OF CAP, SPAN 1 SIDE, 8 FT LONG X 1 FT HIGH ON FACE X UP TO 18" INTO TOP OF	3	7	8 Feet

		CAP BETWEEN BEAMS 4 AND 5.			
234	Delamination/Spall	DELAMINATION IN TOP CORNER OF CAP, SPAN 2 BELOW BAYS 4 AND 5 FOR 20 FT LONG X UP TO 1 FT ON FACE X UP TO 6" INTO TOP OF CAP WITH HORIZONTAL CRACKS UP TO 1/4" WIDE.	3		20 Feet
234	Delamination/Spall	DELAMINATION IN TOP CORNER OF CAP, SPAN 2 SIDE BELOW BAY 1 AND BEAM 2, 3 FT X 10' DOWN THE FACE OF CAP X 3" INTO TOP OF CAP.	3	3	3 Feet
234	Delamination/Spall	DELAMINATION IN UNDERSIDE OF CAP BETWEEN COLUMNS 3 AND 4, 75% OF CAP UNDERSIDE BETWEEN COLUMNS IS DELAMINATED.	3		16 Feet
234	Delamination/Spall	FULL HEIGHT X 12" WIDE X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF CAP BELOW BEAM 1, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3		3 Feet
234	Delamination/Spall	SPALL WITH EXPOSED REINFORCEMENT IN CAP, SPAN 2 SIDE, BELOW BEAM 2, 2 FT LONG X 5" HIGH X UP TO 2" DEEP, NO SECTION LOSS OF EXPOSED REINFORCEMENT.	3	2	2 Feet
234	Delamination/Spall	SPALL WITH EXPOSED REINFORCEMENT IN TOP CORNER OF CAP, SPAN 1 FACE, BELOW BEAM 1 AND BAY 1, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	4	4 Feet
234	Delamination/Spall	SPALL WITH EXPOSED REINFORCEMENT IN TOP CORNER OF CAP, SPAN 2 SIDE BELOW BAY 7 AND BEAM 6. SPALL IS 10 FT LONG X 10" HIGH IN FACE OF CAP X 10" INTO TOP OF CAP X UP TO 3" DEEP. BEARING BELOW BEAM 7 IS NOT AFFECTED, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3		10 Feet
234	Delamination/Spall	SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF CAP BETWEEN COLUMNS 1 AND 2. SPALL IS FULL WIDTH OF CAP X 5 FT LONG X UP TO 3" DEEP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3		5 Feet
234	Delamination/Spall	SPALL WITH EXPOSED REINFORCEMENT ON FACE OF CAP, SPAN 2, NEAR TOP OF CAP, 10" X 10" X 1" DEEP, NO SECTION LOSS OF EXPOSED REINFORCEMENT.	3		1 Feet
234	Delamination/Spall	UNDERSIDE OF CAP BETWEEN PILES 2 AND 3 HAS AN AREA OF DELAMINATION FOR FULL COLUMN SPACING X UP TO FULL WIDTH OF CAP AND SPALLING WITH EXPOSED REINFORCEMENT UP TO 4 FT X 1 FT X 2" DEEP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	12	12 Feet
234	Exposed Rebar	SPALL ON FACE OF CAP, SPAN 2 SIDE BELOW BEAM 8. SPALL IS FULL HEIGHT OF CAP X 3 FT WIDE X UP TO 12" INTO TOP OF CAP X UP TO 3" DEEP WITH EXPOSED REINFORCEMENT. EXPOSED CONFINING STEEL IS BROKEN WITH APPROXIMATELY 50% SECTION REMAINING. BEARING OF BEAM 8 IN SPAN 2 IS BEGINNING TO BE AFFECTED, UP TO 1/2" UNDERMINING. EXPOSED CONCRETE IS DETERIORATING. (PRIORITY MAINTENANCE)	3	3	6 Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Cracking (RC and Other)	EAST FACE HAS MULTIPLE 1/8" - 1/4" WIDE VERTICAL CRACKS NEAR THE CORNERS.	3	1	4 Each
205	Delamination/Spall	6 FT X 8" X 6" DELAMINATION IN THE NORTHWEST CORNER AT THE GROUND LINE; SIMILAR ALL CORNERS	3		24 Each
205	Delamination/Spall	STRUT BETWEEN COLUMNS 4 AND 5 HAS A FULL WIDTH X 7" X 18" SPALL WITH EXPOSED REBAR, NO SECTION	3		18 Each

LOSS

General Comments

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	3 FT HIGH X 10" WIDE X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTHEAST CORNER, BEGINNING AT GROUNDLINE, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3		3 Each
205	Delamination/Spall	5 FT HIGH X 10" X 8" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHWEST CORNER BEGINNING AT GROUNDLINE, 90% SECTION REMAINING OF EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)	3		5 Each
205	Delamination/Spall	6 FT HIGH X 13" X 9" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTHWEST CORNER BEGINNING AT GROUNDLINE, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)	3		6 Each
205	Patched Area	10 FT X FULL WIDTH UNSOUND PATCH IN THE EAST FACE AT THE GROUND LINE THAT EXTENDS 12" INTO THE SOUTH FACE WITH DELAMINATION AND SPALLING THROUGHOUT. SPALLS HAVE EXPOSED MAIN REINFORCING STEEL AND SPLICE, WITH UP TO 10% SECTION LOSS. PM	3	1	10 Each

General Comments

Bent 2**Reinforced Concrete Footing 1****Reinforced Concrete Footing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
220	Reinforced Concrete Pile Cap/Footing	6	0	6	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
220	Abrasion/Wear (PSC/RC)	UP TO A 1/2" LOSS TO SURFACE CONCRETE TO EXPOSED AREAS.	2	6	6 Feet

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	83	0	0	83	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	8 FT HORIZONTAL CRACK UP TO 1/16" WIDE, NEAR TOP CORNER, SPAN 2 FACE, BELOW BAY 4.	3	5	8 Feet
234	Cracking (RC and Other)	LONGITUDINAL CRACK UP TO 1/16" WIDE IN BAY 4, NEAR TOP EDGE, 2 FT LONG WITH RUST STAINS	3	2	2 Feet
234	Delamination/Spall	12" X 18" DELAMINATION IN FACE OF CAP, SPAN 2 SIDE BELOW BEAM 2.	3	1	1 Feet
234	Delamination/Spall	2 FT LONG X 18" HIGH X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SPAN 3 FACE OF CAP	3	5	5 Feet

		BELOW BEAM 8 WITH ADJACENT DELAMINATION OF SIZE 2.5 FT X 6" X UP TO 8" INTO TOP OF CAP, BEAM 8 BEARING AREA UNAFFECTED.			
234	Delamination/Spall	2 FT X 1 FT DELAMINATION IN BOTTOM CORNER OF CAP, SPAN 2 FACE, BELOW BEAM 5.	3		2 Feet
234	Delamination/Spall	2 FT X 1 FT DELAMINATION IN UNDERSIDE OF CAP BETWEEN COLUMNS 1 AND 2, NEAR COLUMN 2.	3	2	2 Feet
234	Delamination/Spall	2 FT X 1 FT X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT AND ADJACENT 1 FT X 1 FT DELAMINATION IN SPAN 3 FACE OF CAP BELOW BEAM 5, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	3	3 Feet
234	Delamination/Spall	3 FT X 8" X 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM CORNER, SPAN 3 FACE ABOVE COLUMN 3, 95% SECTION REMAINING OF EXPOSED REINFORCEMENT.	3	3	3 Feet
234	Delamination/Spall	5 FT WIDE X UP TO FULL HEIGHT AREA OF DELAMINATION WITH SCATTERED CRACKING UP TO 1/16" WIDE AND RUST STAINS IN SPAN 3 FACE OF CAP BELOW BEAM 1.	3	2	20 Feet
234	Delamination/Spall	8 FT X 3 FT DELAMINATION IN UNDERSIDE OF CAP BETWEEN COLUMNS 4 AND 5, EXTENDING UP TO 5" INTO FACES OF CAP.	3	8	8 Feet
234	Delamination/Spall	DELAMINATION IN BOTTOM CORNER OF CAP, SPAN 3 FACE, BELOW BAY 5. DELAMINATION IS 16 FT LONG X 8" HIGH X UP TO 14" INTO UNDERSIDE OF CAP.	3	14	16 Feet
234	Delamination/Spall	DELAMINATION IN FACE OF CAP NEAR BOTTOM, SPAN 2 SIDE, 3 FT X 6" BELOW BAY 6.	3	3	3 Feet
234	Delamination/Spall	DELAMINATION IN SPAN 2 FACE OF CAP BELOW BEAM 6, 4 FT LONG X 2 FT HIGH X UP TO 4" INTO TOP OF CAP.	3	4	4 Feet
234	Delamination/Spall	DELAMINATION IN TOP CORNER OF CAP, SPAN 3 SIDE, 5 FT X 1 FT X 8" INTO TOP OF CAP, BELOW BAY 5.	3	5	5 Feet
234	Delamination/Spall	DELAMINATION IN UNDERSIDE OF CAP BETWEEN PILES 2 AND 3 FOR FULL LENGTH OF PILE SPACING X FULL CAP WIDTH X UP TO 5" HIGH ON EACH VERTICAL FACE OF CAP.	3	12	12 Feet
234	Delamination/Spall	DELAMINATION ON UNDERSIDE OF CAP BETWEEN COLUMNS 3 AND 4, UP TO 12 FT LONG X 3 FT WIDE IN UNDERSIDE OF CAP, EXTENDS UP TO 8" INTO FACE OF CAP.	3	12	12 Feet
234	Delamination/Spall	DELAMINATION THROUGHOUT RIGHT END OF CAP, UP TO 3 FT X 8" AREA WITH SCATTERED HAIRLINE CRACKS.	3	1	1 Feet
234	Delamination/Spall	SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM OF NORTH END OF CAP, 8" X 14" X FULL WIDTH OF CAP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	3 Feet
234	Delamination/Spall	SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF CAP BETWEEN COLUMNS 4 AND 5, 8" DIAMETER X 1" DEEP, NEAR COLUMN 5, NO SECTION LOSS.	3		1 Feet
234	Patched Area	18" X 10" SOUND PATCH IN BOTTOM CORNER OF CAP, SPAN 2 SIDE, BELOW BEAM 8.	2		Feet
234	Patched Area	5 FT X 1 FT X 1 FT SOUND PATCH IN TOP CORNER OF CAP, SPAN 2 SIDE, BELOW BEAM 8 AND BAY 7.	2		Feet
234	Patched Area	7 FT X 1 FT SOUND PATCH IN FACE OF CAP AT TOP, SPAN 2 SIDE, BELOW BEAM 3 AND BAY 2.	2		Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Cracking (RC and Other)	FULL HEIGHT VERTICAL CRACK UP TO 1/8" WIDE IN EAST FACE OF CURTAIN WALL BETWEEN COLUMNS 1 AND 2.	3		1 Each

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205	Delamination/Spall	18" X 10" X 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTHEAST CORNER OF COLUMN AT STRUT, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	1	Each
205	Patched Area	2 FT X 10" SOUND PATCH IN NORTHEAST CORNER AT STRUT, DIRECTLY ABOVE SPALL.	2			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	DELAMINATIONS IN TOP AND BOTTOM CORNER ALONG FULL LENGTH ON EAST FACE, UP TO 6" X 6".	3		18 Each
205	Delamination/Spall	DELAMINATIONS ON NORTHEAST AND SOUTHEAST CORNERS OF COLUMN AND HEIGHT OF STRUT, 8 FT HIGH X 6" X 6" ON EACH CORNER.	3	1	8 Each

General Comments**Bent 2****Pile 4****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	(2) DELAMINATIONS UP TO 10 FT X 6" X 6" ON NORTH AND SOUTH CORNER OF COLUMN, SPAN 2 FACE, BEGINNING AT STRUT	3		10 Each
205	Delamination/Spall	1.5 FT X 6" X 6" DELAMINATION ON SPAN 2 FACE OF COLUMN AT TOP CHAMFER.	3		1 Each
205	Delamination/Spall	SPALL WITH EXPOSED REINFORCEMENT IN NORTHEAST CORNER, 12 FT HIGH X 1 FT X 1 FT X UP TO 4" DEEP WITH 3 FT X 1 FT X 1 FT UNSOUND PATCH, BEGINNING AT STRUT, NO MEASURABLE SECTION LOSS. (PRIORITY MAINTENANCE)	3	1	12 Each

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	16" X 4 FT HIGH X 3" DEEP SPALL WITH EXPOSED REINFORCEMENT AND ADJACENT DELAMINATION, SPALL STARTS 8" FROM BOTTOM OF CAP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	4 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	110	106	0	4	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
215	Delamination/Spall	10" WIDE X 2 FT HIGH X UP TO 4" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BACKWALL ADJACENT TO THE LEFT SIDE OF BEAM 3, NO SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	1 Feet
215	Delamination/Spall	32" X 8" X 1" DEEP SPALL IN BACKWALL LEFT OF BEAM 1, NO EXPOSED REINFORCEMENT.	3	3	3 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	96	73	15	8	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	10 FT LONGITUDINAL CRACK WITH RUST STAINING UP TO 1/4" WIDE IN FACE OF CAP BELOW BAYS 3 AND 4	3		10 Feet
234	Cracking (RC and Other)	5 FT HORIZONTAL CRACK UP TO 1/8" WIDE IN FACE OF CAP BELOW BAY 4.	3	5	5 Feet
234	Delamination/Spall	5 FT X UP TO 18" HIGH X UP TO 2" DEEP SPALL IN FACE OF CAP IN BAY 3, NO EXPOSED REINFORCEMENT.	3	3	3 Feet
234	Cracking (RC and Other)	5 FT LONGITUDINAL CRACK UP TO 1/8" WIDE IN FACE OF CAP IN BAY 2.	2	5	Feet
234	Cracking (RC and Other)	HORIZONTAL HAIRLINE CRACKS UP TO 5 FT LONG IN FACE OF CAP BELOW BAYS 5 AND 6.	2	10	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	83	0	0	83	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	1 FT X 2 FT DELAMINATION IN FACE OF CAP, SPAN 3 SIDE BELOW BEAM 4.	3		1 Feet
234	Delamination/Spall	10" X 10" X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM NORTHEAST CORNER, NO SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	1 Feet
234	Delamination/Spall	12 FT LONG X 8" HIGH DELAMINATION IN FACE OF CAP, SPAN 3 SIDE AT BOTTOM OF CAP.	3	12	12 Feet
234	Delamination/Spall	12 FT X 1 FT HIGH X 10" WIDE DELAMINATION IN TOP CORNER OF CAP, SPAN 3 SIDE FROM END OF CAP TO NEAR BEAM 2 WITH UP TO 1/4" SEPARATION.	3	12	12 Feet
234	Delamination/Spall	16" X 1 FT X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF CAP IN BAY 6, 90% SECTION REMAINS OF EXPOSED REINFORCEMENT.	3		1 Feet
234	Delamination/Spall	16" X 16" DELAMINATION IN FACE OF CAP, SPAN 3 SIDE BELOW BAY 6.	3		1 Feet
234	Delamination/Spall	2 FT HIGH X 1 FT WIDE X UP TO 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SPAN 3 SIDE OF CAP	3		2 Feet

		BELOW BEAM 7, NO SECTION LOSS OF EXPOSED REINFORCEMENT.			
234	Delamination/Spall	2 FT X 20" DELAMINATION IN FACE OF CAP, SPAN 3 SIDE BELOW BEAM 8 WITH SCATTERED HAIRLINE CRACKS.	3		1 Feet
234	Delamination/Spall	2 FT X 6" DELAMINATION IN FACE OF CAP, SPAN 4 SIDE, BAY 2 NEAR BEAM 2.	3	2	2 Feet
234	Delamination/Spall	3 FT X 8" DELAMINATION IN FACE OF CAP NEAR TOP, SPAN 3 SIDE BELOW BAY 4.	3		3 Feet
234	Delamination/Spall	3 FT X 8" DELAMINATION IN UNDERSIDE OF CAP, OUTSIDE OF COLUMN 5 AT END OF CAP.	3		3 Feet
234	Delamination/Spall	4 FT LONG X UP TO 3 FT HIGH DELAMINATION IN FACE OF CAP, SPAN 3 SIDE, BELOW BAY 1 NEAR BEAM 2.	3	4	4 Feet
234	Delamination/Spall	4 FT X 16" DELAMINATION WITH LONGITUDINAL CRACKING UP TO 1/16" WIDE WITH RUST STAINS IN FACE OF CAP, SPAN 4 SIDE BELOW BEAM 6.	3		4 Feet
234	Delamination/Spall	4 FT X 3 FT DELAMINATION IN FACE OF CAP, SPAN 4 SIDE BELOW BAY 3 WITH SEPARATION UP TO 1/2".	3	4	12 Feet
234	Delamination/Spall	5 FT X 6" X 6" DELAMINATION IN BOTTOM CORNER OF CAP, SPAN 3 SIDE BETWEEN COLUMNS 3 AND 4.	3		5 Feet
234	Delamination/Spall	6 FT X 18" HIGH X 12" INTO TOP OF CAP X UP TO 3.5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN TOP OF CAP IN BAY 5 NEAR BEAM 6, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3		6 Feet
234	Delamination/Spall	DELAMINATION AND SPALLING WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF CAP BETWEEN COLUMNS 2 AND 3. SPALLING UP TO UP TO 5 FT LONG X 14" WIDE X 2" DEEP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT. DELAMINATION TRAVELS UP BOTH FACES OF CAP FOR UP TO 6".	3	14	14 Feet
234	Delamination/Spall	DELAMINATION IN BOTTOM CORNER OF CAP, SPAN 4 SIDE BELOW BAY 7. AREA OF DELAMINATION IS 20" LONG X 6" HIGH.	3		Feet
234	Delamination/Spall	DELAMINATION IN BOTTOM OF CAP, SPAN 4 FACE BELOW BEAM 2. 9 FT LONG X UP TO 1 FT HIGH.	3	9	9 Feet
234	Delamination/Spall	DELAMINATION IN FACE OF CAP AT BOTTOM OF SPAN 3 SIDE, 11 FT LONG X UP TO 10" HIGH.	3	4	11 Feet
234	Delamination/Spall	DELAMINATION IN FACE OF CAP, SPAN 4 SIDE BELOW BEAM 2, 2 FT X 4 FT X UP TO 3" INTO TOP OF CAP.	3	2	2 Feet
234	Delamination/Spall	DELAMINATION IN FACE OF CAP, SPAN 4 SIDE BELOW BEAM 8, 3 FT X 3.5 FT X UP TO 4" INTO TOP OF CAP	3		10 Feet
234	Delamination/Spall	DELAMINATION IN FACE OF CAP, SPAN 4 SIDE, 2 FT X 2 FT WITH RUST STAINS AND CRACKING UP TO 1/16" WIDE.	3		4 Feet
234	Delamination/Spall	DELAMINATION IN TOP CORNER OF CAP, SPAN 4 SIDE BELOW BAY 1 AND BEAM 1. 7 FT LONG X UP TO 3 FT HIGH X UP TO 4" INTO TOP OF CAP.	3	7	7 Feet
234	Delamination/Spall	DELAMINATION IN TOP CORNER OF CAP, SPAN 4 SIDE BELOW BAY 7. DELAMINATION IS 9 FT LONG X UP TO 16" DOWN FACE OF CAP X UP TO 4" ACROSS TOP OF CAP WITH UP TO 1/4" SEPARATION.	3		9 Feet
234	Delamination/Spall	DELAMINATION WITH MAP CRACKING UP TO 1/32" WIDE AND RUST STAINING AND EFFLORESCENCE IN FACE OF CAP BELOW BEAM 1, SPAN 3 SIDE. DELAMINATION IS 5 FT LONG X 18" HIGH X UP TO 6" INTO TOP OF CAP.	3		5 Feet
234	Delamination/Spall	DELAMINATIONS IN TOP CORNER OF CAP BELOW BEAM 7, SPAN 3 FACE. DELAMINATION IN TOP CORNER OF CAP IS 2.5 FT LONG X 10" HIGH X UP TO 6" ACROSS TOP OF CAP.	3		3 Feet
234	Delamination/Spall	SPALL IN BOTTOM CORNER OF CAP, SPAN 4 FACE AND UNDERSIDE BETWEEN COLUMNS 2 AND 3, 7 FT X 2 FT ACROSS UNDERSIDE OF CAP X 8" UP FACE OF CAP, UP TO 2" DEEP WITH EXPOSED MAIN REINFORCEMENT, APPROXIMATELY 85% SECTION REMAINING. (PRIORITY MAINTENANCE)	3	2	2 Feet
234	Delamination/Spall	SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM CORNER OF CAP, SPAN 4 FACE BELOW BEAM 5. 2 FT X 8" X 8" X UP TO 2" DEEP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3		2 Feet
234	Delamination/Spall	SPALL WITH EXPOSED REINFORCEMENT, SPAN 4 FACE OF CAP IN BAY 1. 3 FT X 16" X UP TO 3" DEEP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	3	3 Feet

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234	Delamination/Spall	SPALLS WITH EXPOSED REINFORCEMENT IN TOP AND BOTTOM CORNER OF CAP, SPAN 4 SIDE, BAY 5. TOP CORNER SPALL IS 6 FT LONG X 12" HIGH X 10" INTO TOP OF CAP X UP TO 3" DEEP. BOTTOM CORNER SPALL IS 5 FT LONG X 10" X 10" UP TO 2" DEEP. NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3		6 Feet
234	Exposed Rebar	SPALLING AND DELAMINATION IN UNDERSIDE OF CAP BETWEEN COLUMNS 1 AND 2. SPALL IS 7 FT LONG X UP TO 18" WIDE X 3" DEEP WITH AREA OF UNSOUND PATCHING AND EXPOSED REINFORCEMENT. APPROXIMATELY 90% SECTION REMAINING OF EXPOSED REINFORCEMENT. ENTIRE CAP UNDERSIDE BETWEEN COLUMNS 1 AND 2 IS DELAMINATED. (PRIORITY MAINTENANCE)	3	7	7 Feet
234	Cracking (RC and Other)	HAIRLINE CRACKING WITH RUST STAINING IN LEFT END OF CAP.	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	2 FT X 18" X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT, NORTH FACE OF COLUMN, 7 FT BELOW CAP, NO SECTION LOSS OF EXPOSED REINFORCEMENT.	3		3 Each
205	Delamination/Spall	3 FT X 8" X 8" X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT, EAST FACE AT HEIGHT OF STRUT, NO SECTION LOSS OF EXPOSED REINFORCEMENT.	3		3 Each
205	Delamination/Spall	DELAMINATION ON THE NORTHWEST CORNER OF COLUMN, 34" X 1 FT X 8 FT TALL, STARTING AT THE BOTTOM OF THE CAP, WITH UP TO 1 INCH SEPARATION	3	1	8 Each
205	Delamination/Spall	DELAMINATION WITH SPALLING WITH EXPOSED REINFORCEMENT UP TO 2" DEEP FOR UP TO 10" HIGH TOP AND BOTTOM CORNERS OF EAST FACE OF STRUT FOR FULL LENGTH OF STRUT 1, NO SECTION LOSS OF EXPOSED REINFORCEMENT.	3		18 Each

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Cracking (RC and Other)	15 FT VERTICAL CRACK UP TO 1/4" WIDE IN WEST FACE, AT HEIGHT OF STRUT.	3	1	15 Each
205	Delamination/Spall	2 FT X 8" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SPAN 3 FACE OF COLUMN, DIRECTLY BELOW CAP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3		2 Each
205	Delamination/Spall	DELAMINATION ON EAST FACE OF STRUT 2 FOR FULL HEIGHT FOR FULL LENGTH OF STRUT.	3		18 Each
205	Patched Area	5 FT HIGH X FULL COLUMN WIDTH TEMPORARY REPAIR WITH WOOD FORMS LEFT IN PLACE IN EAST FACE COLUMN BEGINNING AT HEIGHT OF STRUT.	2		Each

General Comments

Bent 3**Pile 5****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	DELAMINATION AND SPALLING ON SOUTH AND WEST FACES OF COLUMN. ENTIRE HEIGHT OF COLUMN X UP TO 2 FT ON EACH FACE IS DELAMINATED WITH SPALLING UP TO 12 FT HIGH X 14" WIDE X UP TO 2" DEEP WITH EXPOSED REINFORCEMENT, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT, DELAMINATIONS HAVE UP TO 1/2 INCH SEPARATION. (PRIORITY MAINTENANCE)	3	1	35 Each

General Comments

Bent 4**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	83	0	6	77	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	3 FT LONGITUDINAL CRACK UP TO 1/8" WIDE, FACE OF CAP, SPAN 5 SIDE BELOW BEAM 8.	3		3 Feet
234	Cracking (RC and Other)	HORIZONTAL CRACK IN SPAN 5 FACE, UP TO 1/16" WIDE, BEGINNING IN BAY 1 AND ENDING IN BAY 2, APPROXIMATELY 6" DOWN FROM TOP OF CAP.	3	7	8 Feet
234	Cracking (RC and Other)	LONGITUDINAL CRACK IN FACE OF CAP, SPAN 4 SIDE, BELOW BEAM 2 NEAR TOP OF CAP. CRACK IS 4 FT LONG, UP TO 1/16" WIDE.	3	4	4 Feet
234	Delamination/Spall	15" DIAMETER DELAMINATION IN THE FACE OF THE CAP, SPAN 4 SIDE, BAY 4, NEAR BEAM 5	3	1	1 Feet
234	Delamination/Spall	DELAMINATION IN BOTTOM CORNER OF CAP, SPAN 4 FACE, 18 FT LONG X 1 FT HIGH IN FACE OF CAP X 1 FT INTO UNDERSIDE OF CAP BETWEEN COLUMNS 4 AND 5.	3		5 Feet
234	Delamination/Spall	DELAMINATION IN FACE OF CAP, SPAN 4 SIDE, BAY 1, 5 FT LONG X 7" HIGH X UP TO 7" ACROSS TOP OF CAP.	3	5	5 Feet
234	Delamination/Spall	DELAMINATION IN FACE OF CAP, SPAN 5 SIDE BELOW BAY 3. DELAMINATION IS 10 FT LONG X 1 FT HIGH X UP TO 5" INTO TOP OF CAP, ADJACENT TO SPALL BELOW BEAM 3.	3	10	10 Feet
234	Delamination/Spall	DELAMINATION IN FACE OF CAP, SPAN 5 SIDE BELOW BEAM 2. DELAMINATION IS 6 FT LONG X UP TO 3 FT HIGH WITH 2 FT X 6" X UP TO 1.5" DEEP SPALL WITH RUST STAINING, NO EXPOSED REINFORCEMENT.	3	2	16 Feet
234	Delamination/Spall	DELAMINATION IN THE FACE OF THE CAP, SPAN 4 SIDE, BAY 2 AND BELOW BEAM 3, DELAMINATION IS 5 FT LONG X UP TO X 30" HIGH WITH 1/8 INCH SEPARATION X 3 INCHES ACROSS THE TOP, ADJACENT PATCH BELOW BEAM 3 IS SOUND.	3	5	5 Feet
234	Delamination/Spall	DELAMINATION IN THE FACE OF THE CAP, SPAN 4 SIDE, FROM BEAM 5 TO BEAM 6, 10 FT. LONG X UP TO FULL HEIGHT OF CAP X 5 INCHES ACROSS THE TOP WITH 2 FT X 6" X 1" DEEP SPALL, NO EXPOSED REINFORCEMENT AND CRACKING WITHIN DELAMINATED AREA UP TO 1/4" WIDE. BEARING AREAS ARE SOUND.	3	10	10 Feet
234	Delamination/Spall	DELAMINATION IN THE TOP CORNER OF CAP, SPAN 5 SIDE, FROM BAY 5 TO BAY 6, 12 FT LONG X UP TO 2.5 FT HIGH IN THE FACE X UP TO 6" ACROSS THE TOP WITH 1/4" SEPARATION	3		12 Feet
234	Delamination/Spall	DELAMINATION IN TOP CORNER OF CAP, SPAN 4 SIDE,	3	11	11 Feet

		BAY 6. DELAMINATION IS 11 FT LONG X UP TO 8" DOWN FACE OF CAP X UP TO 7" INTO TOP OF CAP WITH SEPARATION UP TO 1/8".				
234	Delamination/Spall	DELAMINATION IN TOP CORNER OF CAP, SPAN 5 FACE, FROM BEAM 7 TO END OF CAP X UP TO 24" DOWN THE FACE X 11" ACROSS THE TOP WITH UP TO 1" SEPARATION AND CRACKING UP TO 3/8" WIDE.	3		11	Feet
234	Delamination/Spall	DELAMINATION ON TOP CORNER OF CAP, SPAN 4 SIDE, BELOW BAYS 3 AND 4. DELAMINATION IS 18 FT LONG X UP TO 2 FT HIGH X UP TO 12" INTO TOP FACE OF CAP, WITH SEPARATION UP TO 1/8" AND HORIZONTAL CRACKING UP TO 8 FT LONG AND UP TO 1/4" WIDE	3	11	18	Feet
234	Delamination/Spall	DELAMINATION WITH HAIRLINE MAP CRACKING, EFFLORESCENCE, AND RUST STAINING IN THE FACE OF THE CAP, SPAN 5 SIDE, UNDER BEAM 1, DELAMINATION IS 42" X FULL DEPTH OF CAP X 8 INCHES ACROSS THE TOP OF THE CAP WITH 7" X 6" X 3" SPALL BELOW BEAM 1 BEARING, BEAM 1 BEARING IS NOT AFFECTED, NO EXPOSED REINFORCEMENT.	3	4	16	Feet
234	Delamination/Spall	SPALL ON THE FACE OF THE CAP IN BAY 7, SPAN 5 SIDE, 30 INCHES LONG X UP TO FULL HEIGHT OF CAP X 1.5 INCHES DEEP WITH EXPOSED REINFORCEMENT, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3		10	Feet
234	Delamination/Spall	SPALL WITH EXPOSED REINFORCEMENT IN FACE OF CAP, SPAN 5 SIDE BELOW BEAM 3. 2 FT LONG X 10" HIGH X UP TO 2" DEEP, NO MEASURABLE SECTION LOSS OF REINFORCEMENT. BEAM BEARING AREA IS BEGINNING TO BE AFFECTED. (PRIORITY MAINTENANCE)	3		2	Feet
234	Delamination/Spall	SPALL WITH EXPOSED REINFORCEMENT IN TOP CORNER OF CAP, SPAN 4 FACE, BAY 7, 4 FT LONG X 1 FT WIDE X UP TO 3" DEEP, NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT.	3		4	Feet
234	Delamination/Spall	SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF CAP BETWEEN COLUMNS 3 AND 4, 7 FT LONG X 3 FT WIDE X UP TO 3 INCHES DEEP WITH EXPOSED REINFORCEMENT, APPROXIMATELY 90% SECTION REMAINING OF EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)	3	7	7	Feet
234	Patched Area	UN SOUND PATCH IN SPAN 5 FACE OF CAP BELOW BEAM 8. PATCH IS UP TO 5 FT WIDE X UP TO FULL HEIGHT OF CAP WITH MAP CRACKING UP TO 1/8" AND UN SOUND AREAS.	3		12	Feet
234	Cracking (RC and Other)	HORIZONTAL CRACK UP TO 1/32" WIDE, FACE OF CAP, SPAN 4 SIDE, AT BOTTOM ABOVE COLUMN 2.	2			Feet
234	Patched Area	2 FT X 1 FT X 1 FT SOUND PATCH IN TOP CORNER OF CAP, SPAN 4 FACE, BELOW BEAM 3.	2			Feet
234	Patched Area	SOUND PATCH IN FACE AND TOP OF CAP, SPAN 4 SIDE, 5 FT X 2 FT X UP TO 1 FT INTO TOP OF CAP IN BAY 3 NEAR BEAM 3.	2	5		Feet
234	Patched Area	SOUND PATCH IN FACE OF CAP, SPAN 4 SIDE BELOW BEAM 1. PATCH IS 3 FT LONG X UP TO 1 FT HIGH IN FACE OF CAP X 10" INTO TOP OF CAP.	2	1		Feet
234	Patched Area	SOUND PATCH IN UNDERSIDE OF CAP BETWEEN COLUMNS 1 AND 2. PATCH IS FULL DISTANCE BETWEEN COLUMNS X WIDTH OF CAP X UP TO 8" HIGH IN FACE OF CAP.	2			Feet

General Comments**Bent 4****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	3 FT HIGH X 1 FT WIDE X 3" DEEP CORNER SPALL WITH EXPOSED REINFORCEMENT, 5 FT BELOW CAP, NO	3		3 Each

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		SECTION LOSS OF REINFORCEMENT.			
205	Delamination/Spall	9 FT HIGH X 4" X 8" DELAMINATION WITH RUST STAINING ON NORTHWEST CORNER AT BOTTOM OF COLUMN.	3	1	9 Each
205	Delamination/Spall	DELAMINATION ON EAST FACE OF STRUT BETWEEN COLUMNS 1 AND 2. DELAMINATION IS FULL WIDTH OF STRUT X 14" HIGH. SIMILAR ON WEST FACE.	3		18 Each
205	Patched Area	SOUND PATCH ON TOP OF STRUT BETWEEN COLUMNS 1 AND 2. PATCH IS FULL WIDTH OF STRUT X 18 FT LONG, EXTENDING UP TO 1 FT INTO EACH FACE.	2		Each

General Comments**Bent 4****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	6 FT X 10" X 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHWEST CORNER OF PILE, BEGINNING 4 FT ABOVE GROUNDLINE, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.	3	1	6 Each
205	Patched Area	SOUND PATCH IN STRUT BETWEEN COLUMNS 2 AND 3. PATCH IS FULL LENGTH OF STRUT X FULL WIDTH OF STRUT X UP TO FULL DEPTH OF STRUT.	2		Each

General Comments**Bent 4****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	9 FT HIGH X 6" X 6" X UP TO 6" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST CORNER OF COLUMN WITH 90% SECTION REMAINING OF EXPOSED REINFORCEMENT, AT HEIGHT OF STRUT. (PRIORITY MAINTENANCE).	3		9 Each
205	Delamination/Spall	9 FT HIGH X 8" X 8" X UP TO 4" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST CORNER OF COLUMN WITH 90% SECTION REMAINING OF EXPOSED REINFORCEMENT, AT HEIGHT OF STRUT. (PRIORITY MAINTENANCE).	3	1	9 Each
205	Patched Area	SOUND PATCH IN STRUT BETWEEN COLUMNS 3 AND 4. PATCH IS FULL LENGTH OF STRUT X FULL WIDTH OF STRUT X UP TO FULL DEPTH OF STRUT.	2		Each

General Comments**Bent 4****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	4 FT HIGH X 10" X 8" DELAMINATION ON WEST FACE OF COLUMN AT STRUT.	3	1	4 Each

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205 Patched Area SOUND PATCH ON STRUT BETWEEN COLUMNS 4 AND 5. APPROXIMATELY 15 FT LONG X FULL WIDTH OF STRUT X UP TO FULL DEPTH OF STRUT. 2 Each

General Comments**Bent 4****Pile 5****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
205	Delamination/Spall	10 FT HIGH X 12" X 7" X UP TO 4" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST CORNER OF COLUMN, BEGINNING AT GROUNDLINE. APPROXIMATELY 90% SECTION REMAINING IN MAIN REINFORCING STEEL, REINFORCING STEEL IS COMPLETELY SEPARATED FROM CONCRETE. (PRIORITY MAINTENANCE)	3		10 Each
205	Delamination/Spall	13 FT HIGH X 19" X 12" X UP TO 5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHWEST CORNER OF COLUMN, BEGINNING AT WATERLINE, APPROXIMATELY 90% SECTION REMAINING IN EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)	3	1	12 Each
205	Delamination/Spall	2 FT X 6" X 6" DELAMINATION, NORTHEAST CORNER, 7 FT BELOW CAP.	3		2 Each
205	Delamination/Spall	8 FT X 1 FT X 1 FT DELAMINATION ON EAST FACE OF COLUMN, DIRECTLY ABOVE SPALL.	3		8 Each
205	Delamination/Spall	9 FT HIGH X 5" X 5" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTHEAST CORNER OF COLUMN, BEGINNING AT GROUNDLINE. NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)	3		9 Each

General Comments**Approach 1****Reinforced Concrete Approach Slab 1****Reinforced Concrete Approach Slab**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
321	Reinforced Concrete Approach Slabs	870	870	0	0	0 Square Feet

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

APPROACH SLAB IS NOT VISIBLE DUE TO WEARING SURFACE.

Approach 2**Reinforced Concrete Approach Slab**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
321	Reinforced Concrete Approach Slabs	870	870	0	0	0 Square Feet

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

APPROACH SLAB IS NOT VISIBLE DUE TO WEARING SURFACE.

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	4814
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	76
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	76
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	76
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	76
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	76
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	76
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	76
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	76
Span 1	Left Bridge Rail	Steel Rail	Metal Bridge Railing	76
Span 1	Right Bridge Rail	Steel Rail	Metal Bridge Railing	76
Span 1	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	76
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	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	4814
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	76
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	76
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	76
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	76
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	76
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	76
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	76
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	76
Span 2	Left Bridge Rail	Steel Rail	Metal Bridge Railing	76
Span 2	Right Bridge Rail	Steel Rail	Metal Bridge Railing	76
Span 2	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	76
Span 2	Expansion Joint	Prefabricated Joint with Seal	Assembly Joint with Seal	82
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1

Elements Verified

Location	Name	Component	Element Name	Amount
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	4814
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	76
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	76
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	76
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	76
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	76
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	76
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	76
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	76
Span 3	Left Bridge Rail	Steel Rail	Metal Bridge Railing	76
Span 3	Right Bridge Rail	Steel Rail	Metal Bridge Railing	76
Span 3	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	76
Span 3	Expansion Joint	Prefabricated Joint with Seal	Assembly Joint with Seal	82
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	4814
Span 4	Beam 1	Plate Girder	Steel Open Girder/Beam	76
Span 4	Beam 2	Plate Girder	Steel Open Girder/Beam	76
Span 4	Beam 3	Plate Girder	Steel Open Girder/Beam	76

Elements Verified

Location	Name	Component	Element Name	Amount
Span 4	Beam 4	Plate Girder	Steel Open Girder/Beam	76
Span 4	Beam 5	Plate Girder	Steel Open Girder/Beam	76
Span 4	Beam 6	Plate Girder	Steel Open Girder/Beam	76
Span 4	Beam 7	Plate Girder	Steel Open Girder/Beam	76
Span 4	Beam 8	Plate Girder	Steel Open Girder/Beam	76
Span 4	Left Bridge Rail	Steel Rail	Metal Bridge Railing	76
Span 4	Right Bridge Rail	Steel Rail	Metal Bridge Railing	76
Span 4	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	76
Span 4	Expansion Joint	Prefabricated Joint with Seal	Assembly Joint with Seal	82
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	4814
Span 5	Beam 1	Plate Girder	Steel Open Girder/Beam	75
Span 5	Beam 2	Plate Girder	Steel Open Girder/Beam	75
Span 5	Beam 3	Plate Girder	Steel Open Girder/Beam	75
Span 5	Beam 4	Plate Girder	Steel Open Girder/Beam	75
Span 5	Beam 5	Plate Girder	Steel Open Girder/Beam	75
Span 5	Beam 6	Plate Girder	Steel Open Girder/Beam	75
Span 5	Beam 7	Plate Girder	Steel Open Girder/Beam	75
Span 5	Beam 8	Plate Girder	Steel Open Girder/Beam	75
Span 5	Left Bridge Rail	Steel Rail	Metal Bridge Railing	76
Span 5	Right Bridge Rail	Steel Rail	Metal Bridge Railing	76
Span 5	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	76
Span 5	Expansion Joint	Prefabricated Joint with Seal	Assembly Joint with Seal	82
Span 5	Expansion Joint	Compression Seal	Compression Joint Seal	82
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1

Elements Verified

Location	Name	Component	Element Name	Amount
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 5	Near Bearing	Movable Bearing	Movable Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	83
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 5	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	100
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	83
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 5	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	96
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	110
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	83
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
Bent 3	Pile 5	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	83
Bent 4	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4	Pile 5	Reinforced Concrete Column	Reinforced Concrete Column	1

General Inspection Notes

Span 2 Far Bearing

Span 2 Near Bearing

Span 3 Far Bearing

Span 3 Near Bearing

Span 4 Far Bearing

Span 4 Near Bearing

Span 5 Far Bearing

Span 5 Near Bearing

National Bridge and NC Inspection Items

Structure Number: 430142

Inspection Date: 02/18/2019

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	5
Item 59: Superstructure	0 - 9 , N	6
Item 60: Substructure	0 - 9 , N	4
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	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C		0	3352
Scour	G, F, P, or C	G		
Wingwall	G, F, P, or C			
Field Scour Evaluation		L		
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	22		
Superstructure Paint Code		I		

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	20
Traffic Control Time	Hours	8
Snooper Time	Hours	8
Ladder Used	YES/NO	N
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: 430142

Inspection Date: 02/18/2019

Item	Deck - Item 58	Grade	5	Maint Code		Qty.	0
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Details CRACKS AND SPALLS THROUGHOUT TOP AND BOTTOM OF DECK.

Item	Superstructure - Item 59	Grade	6	Maint Code		Qty.	0
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Details SCATTERED CORROSIONS AND AREAS OF ARRESTED SECTION LOSS.

Item	Substructure - Item 60	Grade	4	Maint Code		Qty.	0
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Details SPALLS WITH EXPOSED REINFORCEMENT, DELAMINATIONS, TEMPORARY REPAIRS, THROUGHOUT ALL SUBSTRUCTURE UNITS.

Item	Priority Maintenance Issued	Grade	Y	Maint Code		Qty.	0
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Details SPALLS WITH EXPOSED REINFORCEMENT, SPALLS UNDERMINING BEARINGS.

Item	Drainage System	Grade	G	Maint Code	3332	Qty.	0
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Details CORROSION THROUGHOUT DRAINPIPES.



Expansion Joint At End Bent 2: UNSOUND PATCH IN THE ADJACENT HEAD IN THE WEST APPROACH IN THE LEFT WESTBOUND LANE IN THE LEFT WHEEL PATH WITH A 4 FT X 10" X 2" DEEP SPALL WITH NO EXPOSED REBAR



WEST APPROACH ROADWAY HAS THREE POTHOLES UP TO 2 FT DIAMETER X 3" DEEP SCATTERED IN THE EASTBOUND LANES NEAR THE JOINT



Expansion Joint At End Bent 2: 1 FT X 1 FT FAILED PATCH IN THE LEFT EASTBOUND LANE, RIGHT WHEEL PATH



Expansion Joint At Bent 4: SEAL ADHESION LOSS, LESS THAN FULL DEPTH, FOR 12 FT IN THE LEFT TRAVEL LANE OF THE WESTBOUND LANES



Expansion Joint At Bent 1: SEAL ADHESION LOSS, LESS THAN FULL DEPTH, FOR 8 FT IN THE LEFT LANE OF THE EASTBOUND LANES



Expansion Joint At End Bent 1: SEAL ADHESION LOSS, LESS THAN 50% OF THE DEPTH, SCATTERED THROUGHOUT



Span 5 Left Bridge Rail: SPAN 5 LEFT METAL RAIL HAS 10 FT. OF 2 INCH WIDE TEARS THRU OUT THE LENGTH OF THE RAIL. GUARDRAIL REMAINS FUNCTIONAL.



Span 5 Left Bridge Rail: CONCRETE CURB HAS SCATTERED HORIZONTAL CRACKS UP TO 1/16" WIDE THROUGHOUT



Span 4 Left Bridge Rail: SPAN 4, LEFT RAIL HAS 25 FT. OF IMPACT DAMAGE, WITH THE SPACER PIPES CRUSHED, STARTING AT BENT 4; SIMILAR AT BENT 3



Span 4 Left Bridge Rail: SPAN 4, LEFT CURB AT BENT 3 HAS A SPALL, 18" LONG X 10" HIGH X 8" DEEP WITH EXPOSED REBAR, NO SECTION LOSS



Span 3 Left Bridge Rail: SPAN 3 LEFT RAIL HAS 12 FT. OF 2 INCH WIDE TEARS THRU OUT THE RAIL. GUARDRAIL REMAINS FUNCTIONAL.



Span 2 Left Bridge Rail: CONCRETE CURB HAS A 4 FT X 9" X 8" SPALL, NO EXPOSED REBAR, 23 FT FROM BENT 2



Span 1 Left Bridge Rail: CONCRETE CURB HAS LONGITUDINAL HAIRLINE CRACKING WITH RUST STAINS SCATTERED THROUGHOUT



Span 2 Median Rail: MAP CRACKING UP TO 1/16" WIDE THROUGHOUT BOTH FACES



Bent 1 Pile 4: 6 FT X 8" X 6" DELAMINATION IN THE NORTHWEST CORNER AT THE GROUND LINE; SIMILAR ALL CORNERS



Bent 1 Pile 5: 10 FT X FULL WIDTH UNSOUND PATCH IN THE EAST FACE AT THE GROUND LINE THAT EXTENDS 12" INTO THE SOUTH FACE WITH DELAMINATION AND SPALLING THROUGHOUT. SPALLS HAVE EXPOSED MAIN REINFORCING STEEL AND SPLICE, WITH UP TO 10% SECTION LOSS. PM



Bent 1 Pile 5: 10 FT X FULL WIDTH UNSOUND PATCH IN THE EAST FACE AT THE GROUND LINE THAT EXTENDS 12" INTO THE SOUTH FACE WITH DELAMINATION AND SPALLING THROUGHOUT. SPALLS HAVE EXPOSED MAIN REINFORCING STEEL AND SPLICE, WITH UP TO 10% SECTION LOSS. PM



Bent 1 Pile 4: STRUT BETWEEN COLUMNS 4 AND 5 HAS A FULL WIDTH X 7" X 18" SPALL WITH EXPOSED REBAR, NO SECTION LOSS



Span 1 Deck: TRANSVERSE CRACKS, UP TO FULL WIDTH, UP TO 1/16" WIDE, SCATTERED THROUGHOUT THE TOP OF THE DECK



Span 2 Deck: HAIRLINE MAP CRACKING SCATTERED THROUGHOUT TOP OF DECK.



Span 2 Deck: 12" X 12" SOUND PATCH IN TOP OF DECK IN WESTBOUND LANES AT BENT 1, SIMILAR PATCH AT MIDSPAN.



Span 2 Deck: 14" X 12" X 2" UNSOUND ASPHALT PATCH IN TOP OF DECK IN WESTBOUND LANES AT BENT 2



Span 1 Deck: 3 FT X 18" X 2.5" DEEP UNSOUND PATCH WITH SPALLING IN TOP OF DECK IN EASTBOUND TRAVEL LANES AT END BENT 1, NO EXPOSED REINFORCEMENT.



Bent 1 Pile 5: 5 FT HIGH X 10" X 8" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHWEST CORNER BEGINNING AT GROUNDLINE, 90% SECTION REMAINING OF EXPOSED REINFORCEMENT.
(PRIORITY MAINTENANCE)



Bent 1 Pile 5: 6 FT HIGH X 13" X 9" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTHWEST CORNER BEGINNING AT GROUNDLINE, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)



Bent 4 Pile 5: 9 FT HIGH X 5" X 5" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTHEAST CORNER OF COLUMN, BEGINNING AT GROUNDLINE. NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)



Bent 4 Pile 5: 10 FT HIGH X 12" X 7" X UP TO 4" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST CORNER OF COLUMN, BEGINNING AT GROUNDLINE. APPROXIMATELY 90% SECTION REMAINING IN MAIN REINFORCING STEEL, REINFORCING STEEL IS COMPLETELY SEPARATED FROM CONCRETE. (PRIORITY MAINTENANCE)



Bent 4 Pile 5: 13 FT HIGH X 19" X 12" X UP TO 5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHWEST CORNER OF COLUMN, BEGINNING AT WATERLINE, APPROXIMATELY 90% SECTION REMAINING IN EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)



Bent 3 Cap 1: SPALL IN BOTTOM CORNER OF CAP, SPAN 4 FACE AND UNDERSIDE BETWEEN COLUMNS 2 AND 3, 7 FT X 2 FT ACROSS UNDERSIDE OF CAP X 8" UP FACE OF CAP, UP TO 2" DEEP WITH EXPOSED MAIN REINFORCEMENT, APPROXIMATELY 85% SECTION REMAINING. (PRIORITY MAINTENANCE)



Bent 3 Cap 1: SPALLING AND DELAMINATION IN UNDERSIDE OF CAP BETWEEN COLUMNS 1 AND 2. SPALL IS 7 FT LONG X UP TO 18" WIDE X 3" DEEP WITH AREA OF UNSOUND PATCHING AND EXPOSED REINFORCEMENT. APPROXIMATELY 90% SECTION REMAINING OF EXPOSED REINFORCEMENT. ENTIRE CAP UNDERSIDE BETWEEN COLUMNS 1 AND 2 IS DELAMINATED. (PRIORITY MAINTENANCE)



Bent 3 Cap 1: SPALLING AND DELAMINATION IN UNDERSIDE OF CAP BETWEEN COLUMNS 1 AND 2. SPALL IS 7 FT LONG X UP TO 18" WIDE X 3" DEEP WITH AREA OF UNSOUND PATCHING AND EXPOSED REINFORCEMENT. APPROXIMATELY 90% SECTION REMAINING OF EXPOSED REINFORCEMENT. ENTIRE CAP UNDERSIDE BETWEEN COLUMNS 1 AND 2 IS DELAMINATED. (PRIORITY MAINTENANCE)



Bent 4 Cap 1: SPALL WITH EXPOSED REINFORCEMENT IN FACE OF CAP, SPAN 5 SIDE BELOW BEAM 3. 2 FT LONG X 10" HIGH X UP TO 2" DEEP, NO MEASURABLE SECTION LOSS OF REINFORCEMENT. BEAM BEARING AREA IS BEGINNING TO BE AFFECTED. (PRIORITY MAINTENANCE)



Bent 1 Cap 1: SPALL ON FACE OF CAP, SPAN 2 SIDE BELOW BEAM 8. SPALL IS FULL HEIGHT OF CAP X 3 FT WIDE X UP TO 12" INTO TOP OF CAP X UP TO 3" DEEP WITH EXPOSED REINFORCEMENT. EXPOSED CONFINING STEEL IS BROKEN WITH APPROXIMATELY 50% SECTION REMAINING. BEARING OF BEAM 8 IN SPAN 2 IS BEGINNING TO BE AFFECTED, UP TO 1/2" UNDERMINING. EXPOSED CONCRETE IS DETERIORATING. (PRIORITY MAINTENANCE)



Bent 1 Cap 1: SPALL ON FACE OF CAP, SPAN 2 SIDE BELOW BEAM 8. SPALL IS FULL HEIGHT OF CAP X 3 FT WIDE X UP TO 12" INTO TOP OF CAP X UP TO 3" DEEP WITH EXPOSED REINFORCEMENT. EXPOSED CONFINING STEEL IS BROKEN WITH APPROXIMATELY 50% SECTION REMAINING. BEARING OF BEAM 8 IN SPAN 2 IS BEGINNING TO BE AFFECTED, UP TO 1/2" UNDERMINING. EXPOSED CONCRETE IS DETERIORATING. (PRIORITY MAINTENANCE)



Bent 1 Cap 1: SPALL ON FACE OF CAP, SPAN 2 SIDE BELOW BEAM 8. SPALL IS FULL HEIGHT OF CAP X 3 FT WIDE X UP TO 12" INTO TOP OF CAP X UP TO 3" DEEP WITH EXPOSED REINFORCEMENT. EXPOSED CONFINING STEEL IS BROKEN WITH APPROXIMATELY 50% SECTION REMAINING. BEARING OF BEAM 8 IN SPAN 2 IS BEGINNING TO BE AFFECTED, UP TO 1/2" UNDERMINING. EXPOSED CONCRETE IS DETERIORATING. (PRIORITY MAINTENANCE)



End Bent 1 Abutment/Backwall : SPALL WITH EXPOSED ANCHOR BOLT BELOW BEAM 1 BEARING. 4 FT X 18" HIGH X 7" DEEP WITH APPROXIMATELY 30% UNDERMINING OF BEARING. NO MEASURABLE SECTION LOSS OF EXPOSED ANCHOR BOLT. EXPOSED CONCRETE IS DETERIORATING, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)



End Bent 1 Abutment/Backwall : SPALL WITH EXPOSED ANCHOR BOLT BELOW BEAM 1 BEARING. 4 FT X 18" HIGH X 7" DEEP WITH APPROXIMATELY 30% UNDERMINING OF BEARING. NO MEASURABLE SECTION LOSS OF EXPOSED ANCHOR BOLT. EXPOSED CONCRETE IS DETERIORATING, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)



End Bent 1 Abutment/Backwall : SPALL BELOW BEAM 5 BEARING AT END BENT 1. 2 FT X 12" HIGH X UP TO 6" DEEP SPALL WITH APPROXIMATELY 10% OF BEARING UNDERMINED, UP TO 3". ADJACENT DELAMINATION IN TOP OF ABUTMENT BELOW BEAM 5 IS 12" X 12", NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS. ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)



End Bent 1 Abutment/Backwall : SPALL BELOW BEAM 5 BEARING AT END BENT 1. 2 FT X 12" HIGH X UP TO 6" DEEP SPALL WITH APPROXIMATELY 10% OF BEARING UNDERMINED, UP TO 3". ADJACENT DELAMINATION IN TOP OF ABUTMENT BELOW BEAM 5 IS 12" X 12", NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS. ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)



End Bent 1 Abutment/Backwall : SPALL BELOW BEAM 6 BEARING, 3 FT X 14" HIGH X UP TO 6" DEEP WITH APPROXIMATELY 10% OF BEARING AREA UNDERMINED., UP TO 3". NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)



End Bent 1 Abutment/Backwall : SPALL BELOW BEAM 6 BEARING, 3 FT X 14" HIGH X UP TO 6" DEEP WITH APPROXIMATELY 10% OF BEARING AREA UNDERMINED., UP TO 3". NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)



End Bent 1 Abutment/Backwall : SPALL BELOW BEAM 8, 4 FT X UP TO 16" HIGH X UP TO 6" DEEP. APPROXIMATELY 20% OF BEARING AREA UNDERMINED, UP TO 4". NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)



End Bent 1 Abutment/Backwall : SPALL BELOW BEAM 8, 4 FT X UP TO 16" HIGH X UP TO 6" DEEP. APPROXIMATELY 20% OF BEARING AREA UNDERMINED, UP TO 4". NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)



End Bent 1 Abutment/Backwall : SPALL BELOW BEAM 8, 4 FT X UP TO 16" HIGH X UP TO 6" DEEP. APPROXIMATELY 20% OF BEARING AREA UNDERMINED, UP TO 4". NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)



Bent 2 Pile 4: SPALL WITH EXPOSED REINFORCEMENT IN NORTHEAST CORNER, 12 FT HIGH X 1 FT X 1 FT X UP TO 4" DEEP WITH 3 FT X 1 FT X 1 FT UNSOUND PATCH, BEGINNING AT STRUT, NO MEASURABLE SECTION LOSS. (PRIORITY MAINTENANCE)



Bent 3 Pile 5: DELAMINATION AND SPALLING ON SOUTH AND WEST FACES OF COLUMN. ENTIRE HEIGHT OF COLUMN X UP TO 2 FT ON EACH FACE IS DELAMINATED WITH SPALLING UP TO 12 FT HIGH X 14" WIDE X UP TO 2" DEEP WITH EXPOSED REINFORCEMENT, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT, DELAMINATIONS HAVE UP TO 1/2 INCH SEPARATION. (PRIORITY MAINTENANCE)



Bent 4 Pile 1: 9 FT HIGH X 4" X 8" DELAMINATION WITH RUST STAINING ON NORTHWEST CORNER AT BOTTOM OF COLUMN.



Bent 4 Pile 1: DELAMINATION ON EAST FACE OF STRUT BETWEEN COLUMNS 1 AND 2. DELAMINATION IS FULL WIDTH OF STRUT X 14" HIGH. SIMILAR ON WEST FACE.



Bent 4 Pile 4: 4 FT HIGH X 10" X 8" DELAMINATION ON WEST FACE OF COLUMN AT STRUT.



Bent 4 Pile 5: 8 FT X 1 FT X 1 FT DELAMINATION ON EAST FACE OF COLUMN, DIRECTLY ABOVE SPALL.



Bent 4 Pile 4: SOUND PATCH ON STRUT BETWEEN COLUMNS 4 AND 5. APPROXIMATELY 15 FT LONG X FULL WIDTH OF STRUT X UP TO FULL DEPTH OF STRUT.



Bent 4 Pile 3: SOUND PATCH IN STRUT BETWEEN COLUMNS 3 AND 4. PATCH IS FULL LENGTH OF STRUT X FULL WIDTH OF STRUT X UP TO FULL DEPTH OF STRUT.



Bent 4 Pile 3: 9 FT HIGH X 8" X 8" X UP TO 4" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST CORNER OF COLUMN WITH 90% SECTION REMAINING OF EXPOSED REINFORCEMENT, AT HEIGHT OF STRUT. (PRIORITY MAINTENANCE).



Bent 4 Pile 3: 9 FT HIGH X 6" X 6" X UP TO 6" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST CORNER OF COLUMN WITH 90% SECTION REMAINING OF EXPOSED REINFORCEMENT, AT HEIGHT OF STRUT. (PRIORITY MAINTENANCE).



Bent 4 Pile 1: 3 FT HIGH X 1 FT WIDE X 3" DEEP CORNER SPALL WITH EXPOSED REINFORCEMENT, 5 FT BELOW CAP, NO SECTION LOSS OF REINFORCEMENT.



Bent 4 Cap 1: SOUND PATCH IN UNDERSIDE OF CAP BETWEEN COLUMNS 1 AND 2. PATCH IS FULL DISTANCE BETWEEN COLUMNS X WIDTH OF CAP X UP TO 8" HIGH IN FACE OF CAP.



Bent 4 Cap 1: DELAMINATION WITH HAIRLINE MAP CRACKING, EFFLORESCENCE, AND RUST STAINING IN THE FACE OF THE CAP, SPAN 5 SIDE, UNDER BEAM 1, DELAMINATION IS 42" X FULL DEPTH OF CAP X 8 INCHES ACROSS THE TOP OF THE CAP WITH 7" X 6" X 3" SPALL BELOW BEAM 1 BEARING, BEAM 1 BEARING IS NOT AFFECTED, NO EXPOSED REINFORCEMENT.



Bent 4 Cap 1: SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF CAP BETWEEN COLUMNS 3 AND 4, 7 FT LONG X 3 FT WIDE X UP TO 3 INCHES DEEP WITH EXPOSED REINFORCEMENT, APPROXIMATELY 90% SECTION REMAINING OF EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)



Bent 4 Cap 1: DELAMINATION ON SPAN 5 FACE OF CAP, BELOW BEAM 2. DELAMINATION IS 6 FT LONG X UP TO 3 FT HIGH WITH 2 FT X 6" X UP TO 1.5" DEEP SPALL WITH RUST STAINING, NO EXPOSED REINFORCEMENT.



Bent 4 Cap 1: HORIZONTAL CRACK IN SPAN 5 FACE, UP TO 1/16" WIDE, BEGINNING IN BAY 1 AND ENDING IN BAY 2, APPROXIMATELY 6" DOWN FROM TOP OF CAP.



DEBRIS FROM REPAIRS ON BEAM 2 BEARINGS AT BENT 4.



Bent 4 Cap 1: DELAMINATION IN THE FACE OF THE CAP, SPAN 4 SIDE, BAY 2 AND BELOW BEAM 3, DELAMINATION IS 5 FT LONG X UP TO X 30" HIGH WITH 1/8 INCH SEPARATION X 3 INCHES ACROSS THE TOP, ADJACENT PATCH BELOW BEAM 3 IS SOUND.



Span 5 Beam 3 Near Bearing: BEARING HAS SURFACE CORROSION, NO SECTION LOSS.



Bent 4 Cap 1: SOUND PATCH IN FACE AND TOP OF CAP, SPAN 4 SIDE, 5 FT X 2 FT X UP TO 1 FT INTO TOP OF CAP IN BAY 3 NEAR BEAM 3, AT TOP OF CAP.



Bent 4 Cap 1: DELAMINATION ON TOP CORNER OF CAP, SPAN 4 SIDE, BELOW BAYS 3 AND 4. DELAMINATION IS 18 FT LONG X UP TO 2 FT HIGH X UP TO 12" INTO TOP FACE OF CAP, WITH SEPARATION UP TO 1/8" AND HORIZONTAL CRACKING UP TO 8 FT LONG AND UP TO 1/4" WIDE



Bent 4 Cap 1: DELAMINATION IN THE FACE OF THE CAP, SPAN 4 SIDE, FROM BEAM 5 TO BEAM 6, 10 FT. LONG X UP TO FULL HEIGHT OF CAP X 5 INCHES ACROSS THE TOP WITH 2 FT X 6" X 1" DEEP SPALL, NO EXPOSED REINFORCEMENT AND CRACKING WITHIN DELAMINATED AREA UP TO 1/4" WIDE. BEARING AREAS ARE SOUND.



Bent 4 Cap 1: SPALL WITH EXPOSED REINFORCEMENT IN TOP CORNER OF CAP, SPAN 4 FACE, BAY 7, 4 FT LONG X 1 FT WIDE X UP TO 3" DEEP, NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT.



Bent 4 Cap 1: SPALL ON THE FACE OF THE CAP IN BAY 7, SPAN 5 SIDE, 30 INCHES LONG X UP TO FULL HEIGHT OF CAP X 1.5 INCHES DEEP WITH EXPOSED REINFORCEMENT, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Span 5 Deck: 1 FT DIAMETER X 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF DECK IN BAY 7 NEAR BEAM 8 AT BENT 4, NO SECTION LOSS OF EXPOSED REINFORCEMENT.



Span 5 Deck: 2 FT X 1 FT X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF LEFT OVERHANG AT BENT 4 WITH RUST STAINING ONTO BEAM BELOW, NO MEASURABLE SECTION LOSS IN EXPOSED REINFORCEMENT.



Span 5 Deck: SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF LEFT OVERHANG NEAR MIDSPAN.
4 FT LONG X 14" WIDE X UP TO 2" DEEP WITH UP TO 80% SECTION REMAINING IN EXPOSED
REINFORCEMENT.



Span 5 Deck: SCATTERED DELAMINATION AND CRACKING UP TO 1/4" WIDE WITH RUST STAINING IN UNDERSIDE OF OF BOTH OVERHANGS.



End Bent 2 Cap 1: 10 FT LONGITUDINAL CRACK WITH RUST STAINING UP TO 1/4" WIDE IN FACE OF CAP BELOW BAYS 3 AND 4



End Bent 2 Abutment/Backwall : 10" WIDE X 2 FT HIGH X UP TO 4" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BACKWALL ADJACENT TO THE LEFT SIDE OF BEAM 3, NO SECTION LOSS OF EXPOSED REINFORCEMENT.



End Bent 2 Cap 1: 5 FT X UP TO 18" HIGH X UP TO 2" DEEP SPALL IN FACE OF CAP IN BAY 3, NO EXPOSED REINFORCEMENT.



Span 5 Deck: SCATTERED DELAMINATION AND CRACKING UP TO 1/4" WIDE WITH RUST STAINING IN UNDERSIDE OF OF BOTH OVERHANGS.



Span 5 Deck: 16" X 9" X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF RIGHT OVERHANG, 10 FT FROM END BENT 2, 95% SECTION REMAINING.



Span 4 Deck: SCATTERED HAIRLINE MAP CRACKING WITH AREAS OF EFFLORESCENCE THROUGHOUT UNDERSIDE OF DECK.



Span 4 Deck: (2) SPALLS WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF LEFT OVERHANG AT BENT 3, UP TO 18" X 8" X UP TO 4" DEEP WITH RUST STAINING ONTO BEAM BELOW, UP TO 30% SECTION REMAINING OF EXPOSED REINFORCEMENT.



Span 4 Deck: SCATTERED DELAMINATION AND CRACKING UP TO 1/4" WIDE WITH RUST STAINING IN UNDERSIDE OF OF BOTH OVERHANGS.



Bent 3 Cap 1: SPALLS WITH EXPOSED REINFORCEMENT IN TOP AND BOTTOM CORNER OF CAP, SPAN 4 SIDE, BAY 5. TOP CORNER SPALL IS 6 FT LONG X 12" HIGH X 10" INTO TOP OF CAP X UP TO 3" DEEP. BOTTOM CORNER SPALL IS 5 FT LONG X 10" X 10" UP TO 2" DEEP. NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 3 Cap 1: SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM CORNER OF CAP, SPAN 4 FACE BELOW BEAM 5. 2 FT X 8" X 8" X UP TO 2" DEEP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 3 Pile 2: 2 FT X 8" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SPAN 3 FACE OF COLUMN, DIRECTLY BELOW CAP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 3 Cap 1: SPALL WITH EXPOSED REINFORCEMENT, SPAN 4 FACE OF CAP IN BAY 1. 3 FT X 16" X UP TO 3" DEEP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 3 Pile 1: DELAMINATION ON THE NORTHWEST CORNER OF COLUMN, 34" X 1 FT X 8 FT TALL, STARTING AT THE BOTTOM OF THE CAP, WITH UP TO 1 INCH SEPARATION



Bent 3 Pile 1: 3 FT X 8" X 8" X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT, EAST FACE AT HEIGHT OF STRUT, NO SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 3 Pile 1: DELAMINATION WITH SPALLING WITH EXPOSED REINFORCEMENT UP TO 2" DEEP FOR UP TO 10" HIGH TOP AND BOTTOM CORNERS OF EAST FACE OF STRUT FOR FULL LENGTH OF STRUT 1, NO SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 3 Cap 1: DELAMINATION AND SPALLING WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF CAP BETWEEN COLUMNS 2 AND 3. SPALLING UP TO UP TO 5 FT LONG X 14" WIDE X 2" DEEP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT. DELAMINATION TRAVELS UP BOTH FACES OF CAP FOR UP TO 6".



Bent 3 Cap 1: DELAMINATION WITH MAP CRACKING UP TO 1/32" WIDE AND RUST STAINING AND EFFLORESCENCE IN FACE OF CAP BELOW BEAM 1, SPAN 3 SIDE. DELAMINATION IS 5 FT LONG X 18" HIGH X UP TO 6" INTO TOP OF CAP.



Bent 3 Cap 1: 2 FT HIGH X 1 FT WIDE X UP TO 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SPAN 3 SIDE OF CAP BELOW BEAM 7, NO SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 3 Cap 1: 16" X 1 FT X 2" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF CAP IN BAY 6, 90% SECTION REMAINS OF EXPOSED REINFORCEMENT.



Bent 3 Cap 1: 6 FT X 18" HIGH X 12" INTO TOP OF CAP X UP TO 3.5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN TOP OF CAP IN BAY 5 NEAR BEAM 6, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Span 4 Beam 1: PAINTED OVER SECTION LOSS IN BOTTOM FLANGE AND WEB AT BENT 3. AREA OF SECTION LOSS IN BOTTOM FLANGE IS 6" LONG X FULL FLANGE WIDTH X 2 FT LONG X 15/16" THICKNESS REMAINING. PITTING IN WEB FOR UP TO 6" HIGH X 2 FT LONG X UP TO 5/8" THICKNESS REMAINING. CORROSION ON BOTTOM FLANGE IS NO LONGER ARRESTED.



Span 4 Beam 1 Near Bearing: NO OUTBOARD ANCHOR BOLT NUT, UP TO 70% SECTION REMAINING OF OUTBOARD ANCHOR BOLT.



Span 4 Beam 4: SURFACE CORROSION ON UNDERSIDE OF BOTTOM FLANGE FOR FULL WIDTH FOR 2 FT LONG BEGINNING AT BENT 3, NO SECTION LOSS.



SURFACE CORROSION IN DECK DRAINS SCATTERED THROUGHOUT ALL SPANS, NO MEASURABLE SECTION LOSS.



Span 3 Beam 3: PAINTED OVER SECTION LOSS IN WEB, BOTTOM FLANGE, AND BEARING STIFFENER AT BENT 2. SECTION REMAINING IN WEB IS 12" LONG X UP TO 4" HIGH X 0.55" THICKNESS REMAINING. SECTION REMAINING IN BOTTOM FLANGE IS 12" LONG X 5" WIDE X 0.85" THICKNESS REMAINING. SECTION REMAINING IN STIFFENER IS 7" LONG X 1" HIGH X UP TO 1/8" THICKNESS REMAINING. SECTION LOSS HAS BEEN ARRESTED, FRECKLED SURFACE CORROSION BEGINNING TO FORM ON BOTTOM FLANGE.



Bent 2 Cap 1: 3 FT X 8" X 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM CORNER, SPAN 3 FACE ABOVE COLUMN 3, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Span 2 Beam 4: SURFACE CORROSION ON BAY 4 DIAPHRAGM AT BENT 3, NO SECTION LOSS.



Bent 2 Cap 1: 3 FT X 8" X 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN BOTTOM CORNER, SPAN 3 FACE ABOVE COLUMN 3, 95% SECTION REMAINING OF EXPOSED REINFORCEMENT.



Bent 2 Pile 1: 18" X 10" X 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTHEAST CORNER OF COLUMN AT STRUT, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 2 Cap 1: 2 FT LONG X 18" HIGH X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SPAN 3
FACE OF CAP BELOW BEAM 8 WITH ADJACENT DELAMINATION OF SIZE 2.5 FT X 6" X UP TO 8" INTO TOP OF
CAP, BEAM 8 BEARING AREA UNAFFECTED.



Bent 2 Pile 5: 16" X 4 FT HIGH X 3" DEEP SPALL WITH EXPOSED REINFORCEMENT AND ADJACENT DELAMINATION, SPALL STARTS 8" FROM BOTTOM OF CAP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 2 Cap 1: 2 FT LONG X 18" HIGH X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SPAN 3
FACE OF CAP BELOW BEAM 8 WITH ADJACENT DELAMINATION OF SIZE 2.5 FT X 6" X UP TO 8" INTO TOP OF
CAP, BEAM 8 BEARING AREA UNAFFECTED.



Bent 2 Cap 1: LONGITUDINAL CRACK UP TO 1/16" WIDE IN BAY 4, NEAR TOP EDGE, 2 FT LONG WITH RUST STAINS



Bent 2 Cap 1: 2 FT X 1 FT X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT AND ADJACENT 1 FT X 1 FT DELAMINATION IN SPAN 3 FACE OF CAP BELOW BEAM 5, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 2 Cap 1: 5 FT WIDE X UP TO FULL HEIGHT AREA OF DELAMINATION WITH SCATTERED CRACKING UP TO 1/16" WIDE AND RUST STAINS IN SPAN 3 FACE OF CAP BELOW BEAM 1.



Bent 2 Cap 1: 7 FT X 1 FT SOUND PATCH IN FACE OF CAP AT TOP, SPAN 2 SIDE, BELOW BEAM 3 AND BAY 2.



Bent 2 Cap 1: 8 FT HORIZONTAL CRACK UP TO 1/16" WIDE, NEAR TOP CORNER, SPAN 2 FACE, BELOW BAY 4.



Span 2 Beam 8: CORROSION ON WEB AND BOTTOM FLANGE AT BENT 1 FOR 3 FT LONG WITH PAINTED OVER LAMINATED CORROSION. AREA OF SECTION LOSS IN BOTTOM FLANGE IS 3 FT LONG X UP TO 5" WIDE X 7/8" THICKNESS REMAINING. AREA OF SECTION LOSS IN WEB IS 3 FT LONG X UP TO 1" HIGH X 11/16" THICKNESS REMAINING.



Span 2 Deck: TRANSVERSE HAIRLINE CRACKS, SOME WITH EFFLORESCENCE, UP TO FULL BAY WIDTH, SCATTERED THROUGHOUT UNDERSIDE OF DECK.



Span 2 Deck: SCATTERED MAP CRACKING UP TO 1/32" WIDE WITH SOME AREAS OF EFFLORESCENCE, THROUGHOUT UNDERSIDE OF DECK.



Span 2 Deck: SCATTERED DELAMINATIONS IN UNDERSIDE OF DECK, UP TO 10" X 3 FT.



Span 2 Deck: (2) SPALLS WITH EXPOSED REINFORCEMENT UP TO 12" X 12" X 1" DEEP IN UNDERSIDE OF DECK, BAY 4 AT BENT 1, NO SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 1 Cap 1: 3 FT X 18" X 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SPAN 1 FACE OF CAP BELOW BEAM 3, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 1 Cap 1: 4 FT X 12" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN TOP CORNER OF CAP, SPAN 1 SIDE, BELOW BAY 4, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 1 Cap 1: FULL HEIGHT X 12" WIDE X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF CAP BELOW BEAM 1, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 1 Cap 1: SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF CAP BETWEEN COLUMNS 1 AND 2. SPALL IS FULL WIDTH OF CAP X 5 FT LONG X UP TO 3" DEEP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 1 Pile 1: 8" X 8" X 3.5 FT HIGH SPALL WITH EXPOSED REINFORCEMENT IN NORTHEAST CORNER OF COLUMN, BEGINNING 1.5 FT BELOW CAP, NO SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 1 Cap 1: 10 FT HORIZONTAL CRACK UP TO 1/8" WIDE WITH RUST STAINING IN FACE OF CAP, NEAR TOP, SPAN 2 FACE BELOW BAY 4.



Bent 1 Cap 1: 8" DIAMETER X 1" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SPAN 2 FACE OF CAP BELOW BEAM 5, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Bent 1 Cap 1: UNDERSIDE OF CAP OF CAP BETWEEN PILES 2 AND 3 HAS AN AREA OF DELAMINATION FOR FULL COLUMN SPACING X UP TO FULL WIDTH OF CAP AND SPALLING WITH EXPOSED REINFORCEMENT UP TO 4 FT X 1 FT X 2" DEEP, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



Span 1 Deck: SPALL WITH EXPOSED REINFORCEMENT IN EDGE BEAM AT BEAM 1, 1 FT X 6" X 2" DEEP WITH RUST STAINING ONTO BEAM BELOW, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT.



End Bent 1 Abutment/Backwall : FULL BAY WIDTH LONGITUDINAL CRACK IN BACKWALL OF BAY 3, UP TO 1" WIDE, 4" BELOW DECK UNDERSIDE.



End Bent 1 Abutment/Backwall : SCATTERED HORIZONTAL CRACK IN FACE OF ABUTMENT BELOW BEARING SEATS, UP TO 1/8" WIDE BEGINS BELOW BAY 3 AND TRAVELS TO RIGHT END OF CAP.



Span 1 Beam 1: SURFACE CORROSION FOR FULL WIDTH OF FLANGE FOR 1 FT LONG AT END BENT 1, NO SECTION LOSS.



Span 1 Deck: 10" OF EXPOSED REINFORCEMENT IN UNDERSIDE OF DECK, BAY 1 AT END BENT 1, NO SECTION LOSS.



End Bent 1 Abutment/Backwall : FULL HEIGHT VERTICAL CRACK UP TO 1/16" WIDE IN FACE OF ABUTMENT BELOW BAY 2, BEGINS AT GROUNDLINE.



End Bent 1 Abutment/Backwall : SCATTERED HORIZONTAL HAIRLINE CRACKS WITH RUST STAINING AND EFFLORESCENCE THROUGHOUT FACE OF ABUTMENT BELOW BEARINGSS.



Span 1 Deck: SCATTERED TRANSVERSE HAIRLINE CRACKS, SOME WITH EFFLORESCENCE, THROUGHOUT UNDERSIDE OF DECK.



Span 1 Deck: SCATTERED MAP CRACKING WITH SOME EFFLORESCENCE UP TO 1/32" WIDE THROUGHOUT UNDERSIDE OF DECK



(4) SPALLS UP TO 4" DIAMETER X 1" DEEP IN SOUTHWEST WINGWALL OUTSIDE OF GIRDER 8, NO EXPOSED REINFORCEMENT.



Bent 4 Pile 5: 8 FT X 1 FT X 1 FT DELAMINATION ON EAST FACE OF COLUMN, DIRECTLY ABOVE SPALL.



Span 5 Beam 1 Near Bearing: CORROSION WITH PACK RUST, NO MEASURABLE SECTION LOSS.



LOOKING EAST



WEST APPROACH LOOKING WEST



JOINT AT END BENT 2 (JOINT AT END BENT 1 SIMILAR)



CONCRETE DECK, SPAN 5 (TYPICAL)



LEFT GUARDRAIL (RIGHT SIMILAR)



MEDIAN BARRIER RAIL



JOINT AT BENT 4 (TYPICAL)



SNOOPER USED



LOOKING UPSTREAM (NORTH)



NORTHEAST BRIDGE MARKER



NORTHEAST GUARDRAIL ATTACHMENT (SOUTHWEST SIMILAR)



NORTHEAST GUARDRAIL POST SPACING (SOUTHWEST SIMILAR)



LOOKING WEST



EAST APPROACH LOOKING EAST



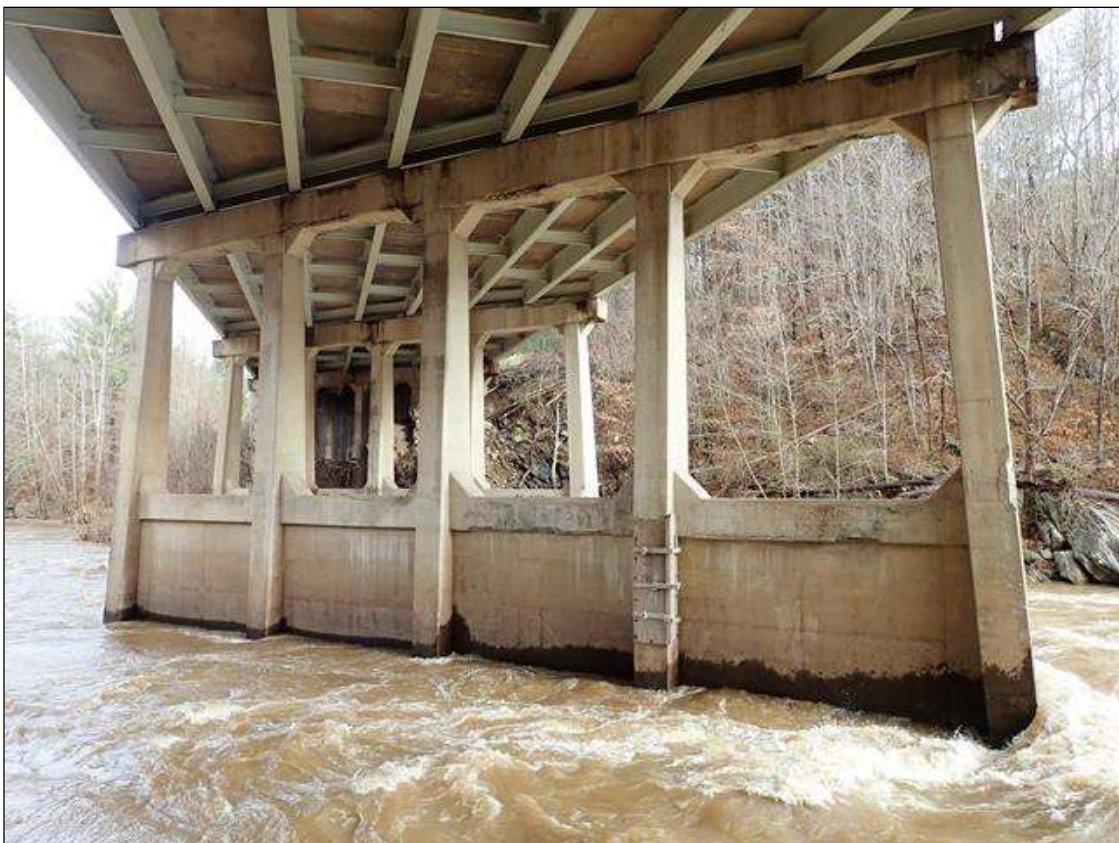
DOWNSTREAM (SOUTH) PROFILE



SOUTHEAST WINGWALL (NORTHWEST SIMILAR)



UNDERSIDE OF SUPERSTRUCTURE, SPAN 1 (TYPICAL)



BENT 3 (TYPICAL)



TYPICAL INTERMEDIATE DIAPHRAGM



NORTH END OF BENT 4 (TYPICAL)



GIRDER 1 BEARING A BENT 4, TYPICAL INTERIOR BENT BEARING.



SOUTHWEST WINGWALL, TYPICAL.



GIRDER 4 AT END BENT 2, TYPICAL END BENT BEARING.



END BENT 2.



BENT 2. (TYPICAL)



ABUTMENT 1



NORTHEAST WINGWALL



UPSTREAM/NORTH PROFILE.



LOOKING DOWNSTREAM/SOUTH.

Stream Bed Soundings

(Profile diagram on following sheet)

County **HAYWOOD**

Structure Number: **430142**

Inspection Date **02/19/2019**

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

Highwater Mark Distance

Location of Highwater Mark

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	1.600	0.000	TOP OF WING
1.000	1.600	0.000	
1.100	29.800	12.400	GROUND AT CAP
20.000	30.700	0.000	
55.000	44.500	0.000	
76.000	45.800	14.900	BENT 1
122.000	49.500	0.000	WSWE
152.000	54.100	53.000	BENT 2
228.000	51.500	49.800	BENT 3
304.000	44.100	37.000	BENT 4
305.000	42.100	0.000	WSWE
323.000	24.400	0.000	
347.000	16.500	0.000	
363.000	10.200	0.000	
377.000	7.400	7.300	GROUND AT CAP
377.100	6.200	0.000	TOP OF CAP
378.900	6.200	0.000	
379.000	1.600	0.000	TOP OF WING
380.000	1.600	0.000	TOP OF WING

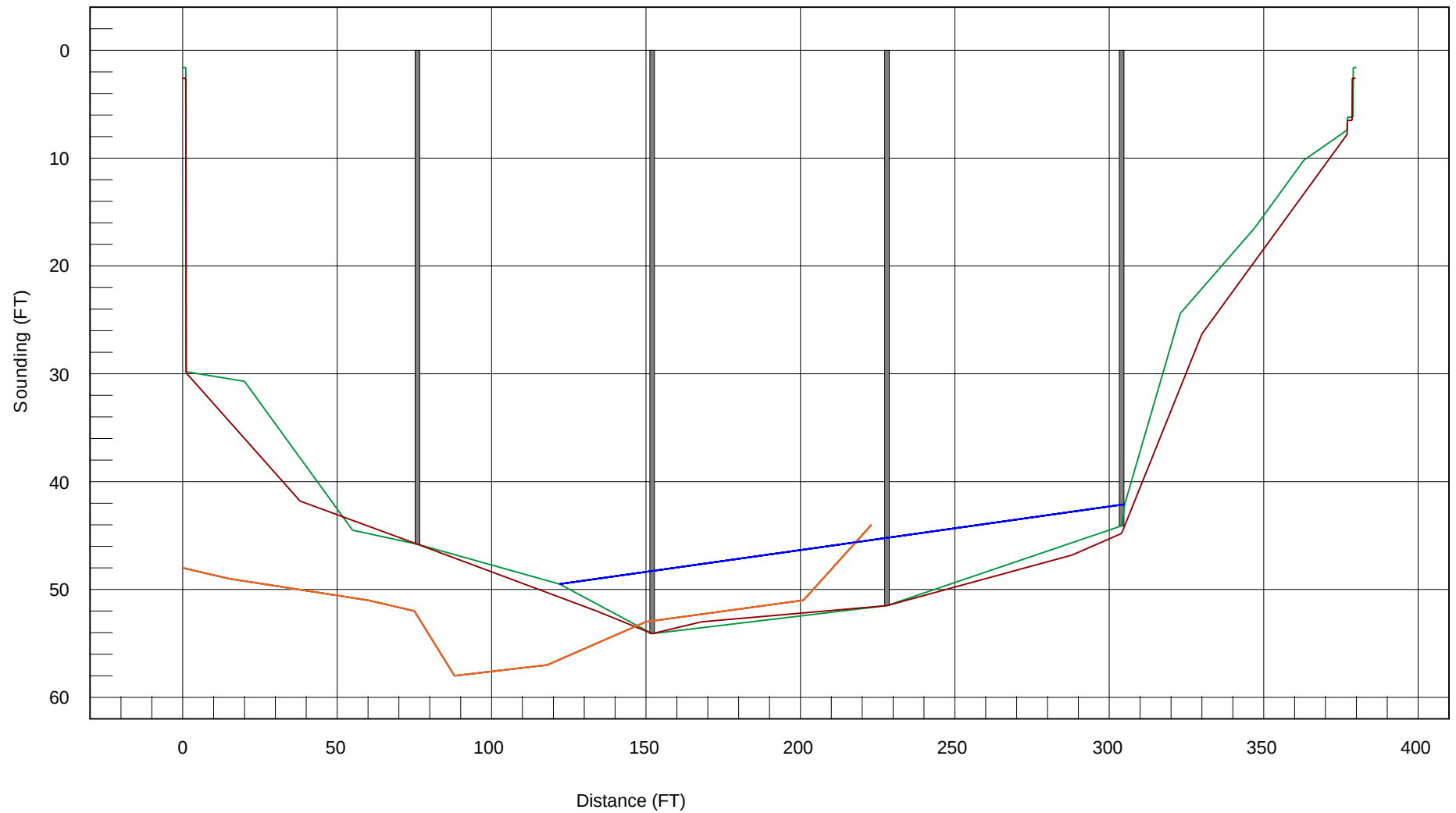
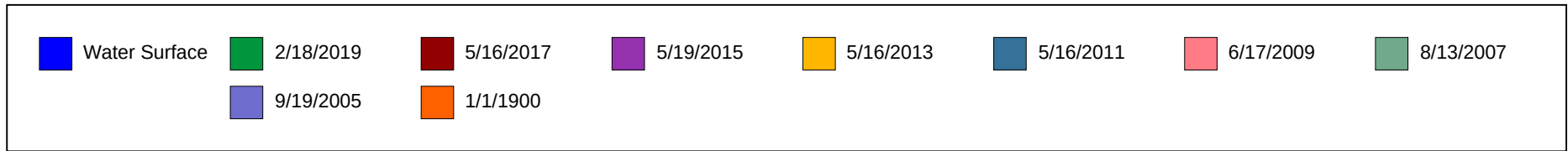
Bridge: 430142

County: HAYWOOD

Date: 02/18/2019

STREAMBED PROFILE (Downstream)

Top of Rail = 0FT (Sounding)

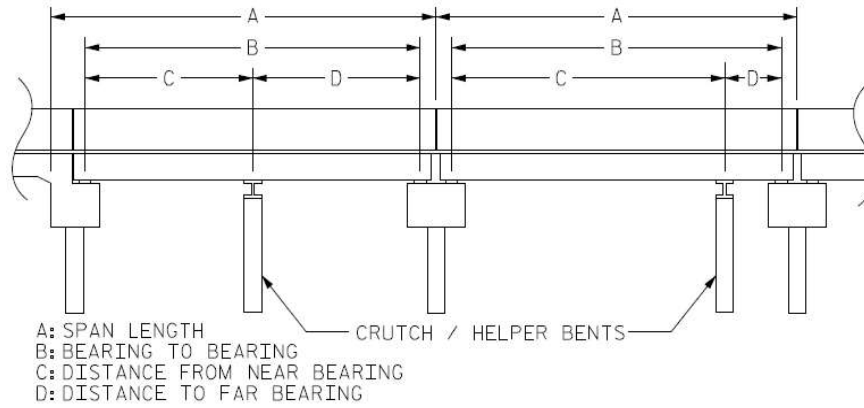


Structure Data Worksheet

Span Profile

County: **HAYWOOD**

Structure Number: **430142**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	76.000	73.000			
2	76.000	74.750			
3	76.000	74.750			
4	76.000	74.750			
5	76.000	73.000			

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

Run Date: 04/22/2019

IDENTIFICATION					
(1) STATE NAME -NORTH CAROLINA	BRIDGE	430142	SUFFICIENCY RATING =		40.09
(8) STRUCTURE NUMBER(FEDERAL)	00000000870142	STATUS =		Structurally Deficient	
(5) INVENTORY ROUTE (ON/UNDER) - ON	11000400				
(2) STATE HIGHWAY DEPARTMENT DISTRICT	2	CLASSIFICATION		CODE	
(3) COUNTY CODE 87 (4) PLACE CODE	0	(112)NBIS BRIDGE SYSTEM -		YES	
(6) FEATURE INTERSECTED - PIGEON RIVER		(104)HIGHWAY SYSTEM Is on the NHS		1	
(7) FACILITY CARRIED I-40		(26) FUNCTIONAL CLASS - Arterial - Interstate		01	
(9) LOCATION 0.1 MI.E.JCT.SR1338		(100)STRAHNET HIGHWAY - Interstate STRAHNET Route		1	
(11)MILEPOINT	15	(101)PARALLEL STRUCTURE - No Parallel Structure		N	
(16)LAT 35° 39' 49.71" (17)LONG 82° 59' 25.12"		(102)DIRECTION OF TRAFFIC - 2-way Traffic		2	
(98)BORDER BRIDGE STATE CODE	PCT SHARE	(103)TEMPORARY STRUCTURE -			
(99)BORDER BRIDGE STRUCTURE NO		(110)DESIGNATED NATIONAL NETWORK - On the National Network		1	
		(20) TOLL On Free Road		3	
		(31) MAINTAIN - State Highway Agency		01	
		(22) OWNER - State Highway Agency		01	
		(37) HISTORICAL SIGNIFICANCE - Not Eligible		5	
STRUCTURE TYPE AND MATERIAL					
(43) STRUCTURE TYPE MAIN: Steel					
TYPE - Stringer Mutlibeam or Girder	CODE	302			
(44) STRUCTURE TYPE APPR :					
TYPE -	CODE	000	CONDITION		CODE
(45) NUMBER OF SPANS IN MAIN UNIT	5	(58) DECK	5		
(46) NUMBER OF APPROACH SPANS		(59) SUPERSTRUCTURE	6		
(107)DECK STRUCTURE TYPE - 1	CODE	(60) SUBSTRUCTURE	4		
(108)WEARING SURFACE / PROTECTIVE SYSTEM :					
(A) TYPE OF WEARING SURFACE - Latex Concrete	CODE	3	(61) CHANNEL & CHANNEL PROTECTION		7
(B) TYPE OF MEMBRANE - None	CODE	0	(62) CULVERTS		N
(C) TYPE OF DECK PROTECTION - None	CODE	0	LOAD RATING AND POSTING		CODE
		(31) DESIGN LOAD HS 20 + MOD	6		
		(63) OPERATING RATING METHOD - Load Factor	1		
		(64) OPERATING RATING - HS-47	85		
		(65) INVENTORY RATING METHOD - Load Factor	1		
		(66) INVENTORY RATING - HS-28	51		
		(70) BRIDGE POSTING - No Posting Required	5		
		(41) STRUCTURE OPEN, POSTED ,OR CLOSED	A		
		DESCRIPTION - Open, No Restriction			
AGE AND SERVICE				APPRAISAL	
(27) YEAR BUILT	1966	(67) STRUCTURAL EVALUATION		4	
(106)YEAR RECONSTRUCTED	2012	(68) DECK GEOMETRY		4	
(42) TYPE OF SERVICE : ON - Highway		(69) UNDERCLEARANCES,VERTI & HORIZ		N	
UNDER - Waterway	CODE	15	(71) WATERWAY ADEQUACY		7
(28) LANES: ON STRUCTURE 4 UNDER STRUCTURE	0	(72) APPROACH ROADWAY ALIGNMENT		8	
(29) AVERAGE DAILY TRAFFIC	27000	(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	3 MI	PROPOSED IMPROVEMENTS		CODE	
		(75) TYPE OF WORK -		CODE	
		(76) LENGTH OF STRUCTURE IMPROVEMENT			
		(94) BRIDGE IMPROVEMENT COST			
		(95) ROADWAY IMPROVEMENT COST			
		(96) TOTAL PROJECT COST			
		(97) YEAR OF IMPROVEMENT COST ESTIMATE			
		(114)FUTURE ADT 54000	(115) YEAR FUTURE ADT	2025	
GEOMETRIC DATA				INSPECTIONS	
(48) LENGTH OF MAXIMUM SPAN	75 FT	(90) INSPECTION DATE		02/18/2019	
(49) STRUCTURE LENGTH	380 FT	(92) CRITICAL FEATURE INSPECTION :		(93) CFI DATE	
(50)CURB OR SIDEWALK: LEFT 0 FT RIGHT 0 FT		A) FRACTURE CRIT DETAIL - NO		A)	
(51) BRIDGE ROADWAY WIDTH CURB TO CURB	55.833 FT	B) UNDERWATER INSP - YES 48Mo		B) 09/22/2016	
(52) DECK WIDTH OUT TO OUT	63.333 FT	C) OTHER SPECIAL INSP NO		C)	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)	72 FT	SCOUR			
(33) BRIDGE MEDIAN - No Median	CODE	0			
(34) SKEW 45° (35) STRUCTURE FLARED	0				
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9 FT				
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	27.917 FT				
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9 FT				
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad	0 FT				
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad	000 FT				
(56) MIN LAT UNDERCLEAR LT REF -	000 FT				
NAVIGATION DATA					
(38) NAVIGATION CONTROL - No Navigational Control	CODE	0			
(111)PIER PROTECTION -	CODE	0			
(39) NAVIGATION VERTICAL CLEARANCE	0				
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR	FT				
(40) NAVIGATION HORIZONTAL CLEARANCE	0 FT				

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 04/22/2019

COUNTY :	DIVISION :	DISTRICT :	STRUCTURE NUMBER :	LENGTH :	
HAYWOOD	14	2	430142	380	FEET

ROUTE CARRIED :	FEATURE INTERSECTED :
I-40	PIGEON RIVER

LOCATED :	BRIDGE NAME :	CITY :
0.1 MI.E.JCT.SR1338		

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :	RAIL TYPE :
01	FA	NFA	27000 2017	LT 333 RT 333

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1966	SHC	8.19467	BRIMS-040-1(227)	HS 20 + MOD

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :		
2012	DOH	45438.3.13	TAN	135	ON 4	UNDER	0

NAVIGATION :			HT. CRN. TO BED :		WATER DEPTH :		
VC 0 FT	HC 0 FT		52 FT		12		FT

SUPERSTRUCTURE :	REINFORCED CONCRETE FLOOR ON I-BEAMS
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SUBSTRUCTURE :	ABUT1:REINF.CONC.; E.BT2:RC CAP/H-PILES;INT.BTS:RC POST&BEAM
----------------	--

SPANS :	5 @ 76'
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BEAMS OR GIRDERS :	8 LINES 36.5" I-BEAMS @ 8' CENTERS
--------------------	------------------------------------

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
7.75 RC/NO AWS		63.333 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :
55.833 FT	58 FT	LT 0 FT RT 0 FT

VERT.CL.OVER :
999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :		DATE
HS-28	HS-47	int bm	SV	TTST	

SYSTEM :	GREEN LINE ROUTE :
Primary Interstate	Y

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430142

County HAYWOOD

Date: 02/18/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3348	Maintain Concrete Substructure Components	LF	2	Bent 4 Cap 1: SPALL WITH EXPOSED REINFORCEMENT IN FACE OF CAP, SPAN 5 SIDE BELOW BEAM 3. 2 FT LONG X 10" HIGH X UP TO 2" DEEP, NO MEASURABLE SECTION LOSS OF REINFORCEMENT. BEAM BEARING AREA IS BEGINNING TO BE AFFECTED. (PRIORITY MAINTENANCE)	
 3348	Maintain Concrete Substructure Components	LF	10	Bent 4 Pile 5: 10 FT HIGH X 12" X 7" X UP TO 4" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST CORNER OF COLUMN, BEGINNING AT GROUNDLINE. APPROXIMATELY 90% SECTION REMAINING IN MAIN REINFORCING STEEL, REINFORCING STEEL IS COMPLETELY SEPARATED FROM CONCRETE. (PRIORITY MAINTENANCE)	
 3348	Maintain Concrete Substructure Components	LF	9	Bent 4 Pile 5: 9 FT HIGH X 5" X 5" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTHEAST CORNER OF COLUMN, BEGINNING AT GROUNDLINE. NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)	
 3348	Maintain Concrete Substructure Components	LF	12	Bent 4 Pile 5: 13 FT HIGH X 19" X 12" X UP TO 5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHWEST CORNER OF COLUMN, BEGINNING AT WATERLINE, APPROXIMATELY 90% SECTION REMAINING IN EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)	
 3348	Maintain Concrete Substructure Components	LF	2	Bent 3 Cap 1: SPALL IN BOTTOM CORNER OF CAP, SPAN 4 FACE AND UNDERSIDE BETWEEN COLUMNS 2 AND 3, 7 FT X 2 FT ACROSS UNDERSIDE OF CAP X 8" UP FACE OF CAP, UP TO 2" DEEP WITH EXPOSED MAIN REINFORCEMENT, UP TO 85% SECTION REMAINING ON EXPOSED BARS. (PRIORITY MAINTENANCE)	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430142

County HAYWOOD

Date: 02/18/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3348	Maintain Concrete Substructure Components	LF	7	Bent 3 Cap 1: SPALLING AND DELAMINATION IN UNDERSIDE OF CAP BETWEEN COLUMNS 1 AND 2. SPALL IS 7 FT LONG X UP TO 18" WIDE X 3" DEEP WITH AREA OF UNSOUND PATCHING AND EXPOSED REINFORCEMENT. APPROXIMATELY 90% SECTION REMAINING OF EXPOSED REINFORCEMENT. ENTIRE CAP UNDERSIDE BETWEEN COLUMNS 1 AND 2 IS DELAMINATED. (PRIORITY MAINTENANCE)	
 3348	Maintain Concrete Substructure Components	LF	35	Bent 3 Pile 5: DELAMINATION AND SPALLING ON SOUTH AND WEST FACES OF COLUMN. ENTIRE HEIGHT OF COLUMN X UP TO 2 FT ON EACH FACE IS DELAMINATED WITH SPALLING UP TO 12 FT HIGH X 14" WIDE X UP TO 2" DEEP WITH EXPOSED REINFORCEMENT, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT, DELAMINATIONS HAVE UP TO 1/2 INCH SEPARATION. (PRIORITY MAINTENANCE)	
 3348	Maintain Concrete Substructure Components	LF	12	Bent 2 Pile 4: SPALL WITH EXPOSED REINFORCEMENT IN NORTHEAST CORNER, 12 FT HIGH X 1 FT X 1 FT X UP TO 4" DEEP WITH 3 FT X 1 FT X 1 FT UNSOUND PATCH, BEGINNING AT STRUT, NO MEASURABLE SECTION LOSS. (PRIORITY MAINTENANCE)	
 3348	Maintain Concrete Substructure Components	LF	6	Bent 1 Cap 1: SPALL ON FACE OF CAP, SPAN 2 SIDE BELOW BEAM 8. SPALL IS FULL HEIGHT OF CAP X 3 FT WIDE X UP TO 12" INTO TOP OF CAP X UP TO 3" DEEP WITH EXPOSED REINFORCEMENT. EXPOSED CONFINING STEEL IS BROKEN AT ONE LOCATION WITH APPROXIMATELY 50% SECTION REMAINING ELSEWHERE. BEARING OF BEAM 8 IN SPAN 2 IS BEGINNING TO BE AFFECTED, UP TO 1/2" LOSS OF BEARING AREA. EXPOSED CONCRETE IS DETERIORATING. (PRIORITY MAINTENANCE)	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430142

County HAYWOOD

Date: 02/18/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3348	Maintain Concrete Substructure Components	LF	10	Bent 1 Pile 5: 10 FT X FULL WIDTH UNSOUND PATCH IN THE EAST FACE AT THE GROUND LINE THAT EXTENDS 12" INTO THE SOUTH FACE WITH DELAMINATION AND SPALLING THROUGHOUT. SPALLS HAVE EXPOSED MAIN REINFORCING STEEL AND SPLICE, WITH UP TO 10% SECTION LOSS. PM	
 3348	Maintain Concrete Substructure Components	LF	5	Bent 1 Pile 5: 5 FT HIGH X 10" X 8" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHWEST CORNER BEGINNING AT GROUNDLINE, 90% SECTION REMAINING OF EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)	
 3348	Maintain Concrete Substructure Components	LF	6	Bent 1 Pile 5: 6 FT HIGH X 13" X 9" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTHWEST CORNER BEGINNING AT GROUNDLINE, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)	
 3348	Maintain Concrete Substructure Components	LF	7	Bent 4 Cap 1: SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF CAP BETWEEN COLUMNS 3 AND 4, 7 FT LONG X 3 FT WIDE X UP TO 3 INCHES DEEP WITH EXPOSED REINFORCEMENT, APPROXIMATELY 90% SECTION REMAINING OF EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)	
 3348	Maintain Concrete Substructure Components	LF	9	Bent 4 Pile 3: 9 FT HIGH X 6" X 6" X UP TO 6" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST CORNER OF COLUMN WITH 90% SECTION REMAINING OF EXPOSED REINFORCEMENT, AT HEIGHT OF STRUT. (PRIORITY MAINTENANCE).	
 3348	Maintain Concrete Substructure Components	LF	9	Bent 4 Pile 3: 9 FT HIGH X 8" X 8" X UP TO 4" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHWEST CORNER OF COLUMN WITH 90% SECTION REMAINING OF EXPOSED REINFORCEMENT, AT HEIGHT OF STRUT. (PRIORITY MAINTENANCE).	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430142

County HAYWOOD

Date: 02/18/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3350	Maint R C Wings and Walls	SF	4	End Bent 1 Abutment/Backwall : SPALL WITH EXPOSED ANCHOR BOLT BELOW BEAM 1 BEARING. 4 FT X 18" HIGH X 7" DEEP WITH APPROXIMATELY 30% BEARING AREA LOSS. NO MEASURABLE SECTION LOSS OF EXPOSED ANCHOR BOLT. EXPOSED CONCRETE IS DETERIORATING, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)	
 3350	Maint R C Wings and Walls	SF	2	End Bent 1 Abutment/Backwall : SPALL BELOW BEAM 5 BEARING AT END BENT 1. 2 FT X 12" HIGH X UP TO 6" DEEP SPALL WITH APPROXIMATELY 10% OF BEARING AREA LOST, UP TO 3". ADJACENT DELAMINATION IN TOP OF ABUTMENT BELOW BEAM 5 IS 12" X 12", NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS. ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)	
 3350	Maint R C Wings and Walls	SF	4	End Bent 1 Abutment/Backwall : SPALL BELOW BEAM 8, 4 FT X UP TO 16" HIGH X UP TO 6" DEEP. APPROXIMATELY 20% OF BEARING AREA LOST, UP TO 4". NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)	
 3350	Maint R C Wings and Walls	SF	3	End Bent 1 Abutment/Backwall : SPALL BELOW BEAM 6 BEARING, 3 FT X 14" HIGH X UP TO 6" DEEP WITH APPROXIMATELY 10% OF BEARING AREA LOST, UP TO 3". NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430142

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	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
Bent 4 Cap 1: SPALL WITH EXPOSED REINFORCEMENT IN FACE OF CAP, SPAN 5 SIDE BELOW BEAM 3. 2 FT LONG X 10" HIGH X UP TO 2" DEEP, NO MEASURABLE SECTION LOSS OF REINFORCEMENT. BEAM BEARING AREA IS BEGINNING TO BE AFFECTED. (PRIORITY MAINTENANCE)		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	10 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
Bent 4 Pile 5: 10 FT HIGH X 12" X 7" X UP TO 4" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST CORNER OF COLUMN, BEGINNING AT GROUNDLINE. APPROXIMATELY 90% SECTION REMAINING IN MAIN REINFORCING STEEL, REINFORCING STEEL IS COMPLETELY SEPARATED FROM CONCRETE. (PRIORITY MAINTENANCE)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430142

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	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
Bent 4 Pile 5: 9 FT HIGH X 5" X 5" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTHEAST CORNER OF COLUMN, BEGINNING AT GROUNDLINE. NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	12 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
Bent 4 Pile 5: 13 FT HIGH X 19" X 12" X UP TO 5" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHWEST CORNER OF COLUMN, BEGINNING AT WATERLINE, APPROXIMATELY 90% SECTION REMAINING IN EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430142

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	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
Bent 3 Cap 1: SPALL IN BOTTOM CORNER OF CAP, SPAN 4 FACE AND UNDERSIDE BETWEEN COLUMNS 2 AND 3, 7 FT X 2 FT ACROSS UNDERSIDE OF CAP X 8" UP FACE OF CAP, UP TO 2" DEEP WITH EXPOSED MAIN REINFORCEMENT, UP TO 85% SECTION REMAINING ON EXPOSED BARS. (PRIORITY MAINTENANCE)		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	7 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
Bent 3 Cap 1: SPALLING AND DELAMINATION IN UNDERSIDE OF CAP BETWEEN COLUMNS 1 AND 2. SPALL IS 7 FT LONG X UP TO 18" WIDE X 3" DEEP WITH AREA OF UNSOUND PATCHING AND EXPOSED REINFORCEMENT. APPROXIMATELY 90% SECTION REMAINING OF EXPOSED REINFORCEMENT. ENTIRE CAP UNDERSIDE BETWEEN COLUMNS 1 AND 2 IS DELAMINATED. (PRIORITY MAINTENANCE)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430142

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	35 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
Bent 3 Pile 5: DELAMINATION AND SPALLING ON SOUTH AND WEST FACES OF COLUMN. ENTIRE HEIGHT OF COLUMN X UP TO 2 FT ON EACH FACE IS DELAMINATED WITH SPALLING UP TO 12 FT HIGH X 14" WIDE X UP TO 2" DEEP WITH EXPOSED REINFORCEMENT, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT, DELAMINATIONS HAVE UP TO 1/2 INCH SEPARATION. (PRIORITY MAINTENANCE)		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	12 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
Bent 2 Pile 4: SPALL WITH EXPOSED REINFORCEMENT IN NORTHEAST CORNER, 12 FT HIGH X 1 FT X 1 FT X UP TO 4" DEEP WITH 3 FT X 1 FT X 1 FT UNSOUND PATCH, BEGINNING AT STRUT, NO MEASURABLE SECTION LOSS. (PRIORITY MAINTENANCE)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430142

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	6 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
Bent 1 Cap 1: SPALL ON FACE OF CAP, SPAN 2 SIDE BELOW BEAM 8. SPALL IS FULL HEIGHT OF CAP X 3 FT WIDE X UP TO 12" INTO TOP OF CAP X UP TO 3" DEEP WITH EXPOSED REINFORCEMENT. EXPOSED CONFINING STEEL IS BROKEN AT ONE LOCATION WITH APPROXIMATELY 50% SECTION REMAINING ELSEWHERE. BEARING OF BEAM 8 IN SPAN 2 IS BEGINNING TO BE AFFECTED, UP TO 1/2" LOSS OF BEARING AREA. EXPOSED CONCRETE IS DETERIORATING. (PRIORITY MAINTENANCE)		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	10 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
Bent 1 Pile 5: 10 FT X FULL WIDTH UNSOUND PATCH IN THE EAST FACE AT THE GROUND LINE THAT EXTENDS 12" INTO THE SOUTH FACE WITH DELAMINATION AND SPALLING THROUGHOUT. SPALLS HAVE EXPOSED MAIN REINFORCING STEEL AND SPLICE, WITH UP TO 10% SECTION LOSS. PM		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430142

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	5 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
Bent 1 Pile 5: 5 FT HIGH X 10" X 8" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHWEST CORNER BEGINNING AT GROUNDLINE, 90% SECTION REMAINING OF EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	6 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
Bent 1 Pile 5: 6 FT HIGH X 13" X 9" X UP TO 3" DEEP SPALL WITH EXPOSED REINFORCEMENT IN NORTHWEST CORNER BEGINNING AT GROUNDLINE, NO MEASURABLE SECTION LOSS OF EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430142

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	7 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
Bent 4 Cap 1: SPALL WITH EXPOSED REINFORCEMENT IN UNDERSIDE OF CAP BETWEEN COLUMNS 3 AND 4, 7 FT LONG X 3 FT WIDE X UP TO 3 INCHES DEEP WITH EXPOSED REINFORCEMENT, APPROXIMATELY 90% SECTION REMAINING OF EXPOSED REINFORCEMENT. (PRIORITY MAINTENANCE)		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	9 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
Bent 4 Pile 3: 9 FT HIGH X 6" X 6" X UP TO 6" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHEAST CORNER OF COLUMN WITH 90% SECTION REMAINING OF EXPOSED REINFORCEMENT, AT HEIGHT OF STRUT. (PRIORITY MAINTENANCE).		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430142

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	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
Bent 4 Pile 3: 9 FT HIGH X 8" X 8" X UP TO 4" DEEP SPALL WITH EXPOSED REINFORCEMENT IN SOUTHWEST CORNER OF COLUMN WITH 90% SECTION REMAINING OF EXPOSED REINFORCEMENT, AT HEIGHT OF STRUT. (PRIORITY MAINTENANCE).		

MMS Code	MMS Description	Quantity
3350	Maint R C Wings and Walls	4 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
End Bent 1 Abutment/Backwall : SPALL WITH EXPOSED ANCHOR BOLT BELOW BEAM 1 BEARING. 4 FT X 18" HIGH X 7" DEEP WITH APPROXIMATELY 30% BEARING AREA LOSS. NO MEASURABLE SECTION LOSS OF EXPOSED ANCHOR BOLT. EXPOSED CONCRETE IS DETERIORATING, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430142

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3350	Maint R C Wings and Walls	2 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
End Bent 1 Abutment/Backwall : SPALL BELOW BEAM 5 BEARING AT END BENT 1. 2 FT X 12" HIGH X UP TO 6" DEEP SPALL WITH APPROXIMATELY 10% OF BEARING AREA LOST, UP TO 3". ADJACENT DELAMINATION IN TOP OF ABUTMENT BELOW BEAM 5 IS 12" X 12", NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS. ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)		

MMS Code	MMS Description	Quantity
3350	Maint R C Wings and Walls	4 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
End Bent 1 Abutment/Backwall : SPALL BELOW BEAM 8, 4 FT X UP TO 16" HIGH X UP TO 6" DEEP. APPROXIMATELY 20% OF BEARING AREA LOST, UP TO 4". NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430142

County HAYWOOD

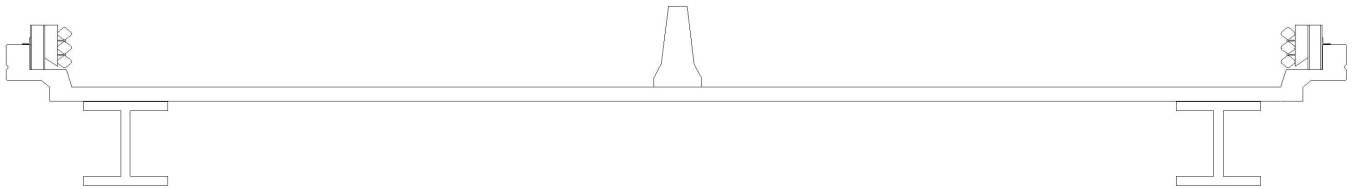
THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3350	Maint R C Wings and Walls	3 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/20/2019	Jeremy Keene	
Details		
End Bent 1 Abutment/Backwall : SPALL BELOW BEAM 6 BEARING, 3 FT X 14" HIGH X UP TO 6" DEEP WITH APPROXIMATELY 10% OF BEARING AREA LOST, UP TO 3". NO EXPOSED REINFORCEMENT OR ANCHOR BOLTS, ACTIVE LEAKAGE THROUGH BEARING. (PRIORITY MAINTENANCE)		

Bridge Inspection Field Sketch

Deck Width/Out to Out	63.333ft	Between Rails			58.0ft
Clear Roadway	55.833ft	Wearing Surface			0.0ft
Median Width	2.0ft	Median Height			2.583ft
Curb Height		Left	0.812ft	Right	0.812ft
Sidewalk Width		Left		Right	
Clear Roadway (Rail to Median)		Left	27.917ft	Right	27.917ft
Guardrail Width		Left		Right	
Top of Rail to Deck/Wearing Surface		Left	2.583ft	Right	2.583ft
Bridge Rail		Left	Type 9*	Right	Type 9*

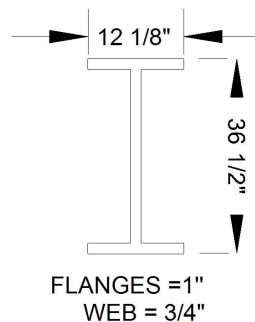
*Bridge railing not identified. Originally a type 9 railing with a tubular thrie retrofit



Measurements for Span #	1	SPANS 2-5 SIMILAR	
Deck Thickness	0.646	Left Overhang	3.667
Top of Rail to Bottom of Beam	6.313	Right Overhang	3.667

Beam Number	Beam Type	Spacing
1 thru 8	Steel I Beam	8'- 0"

BEAMS (NON-TAPERED FLANGES)

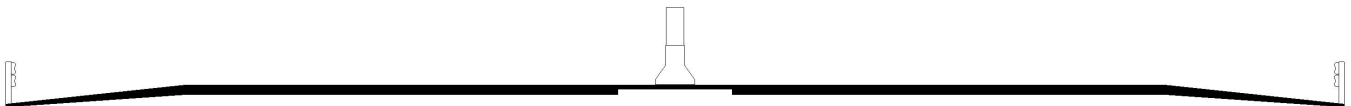


BEAMS HAVE 10" X 1.125" COVER PLATE BEGINNING 12 FT FROM END OF BEAM AT BOTH ENDS

VERIFIED 2-18-19 JEK

Title		Description	
Typical Section		Data Worksheet	
Bridge No: 430142	Drawn By: Roy W. Shook	Date: 08/13/2007	File Name: S0106000368

Bridge Inspection Field Sketch



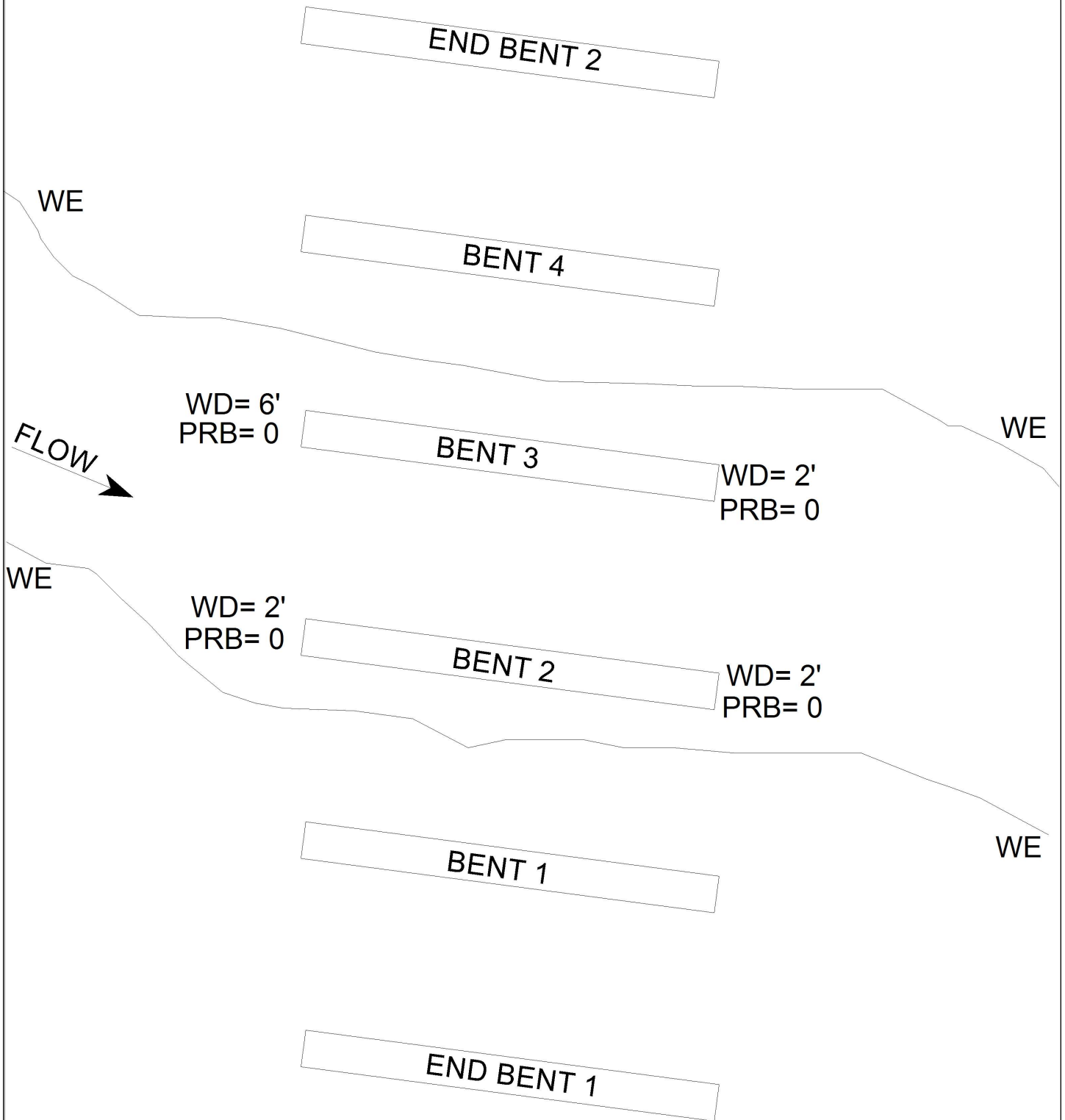
MEASUREMENTS TAKEN 25 FT WEST OF EB1

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	10ft from road		
Left Guardrail	2ft from road		
Median	2.333ft Wide	5.167ft High	
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	10ft from road		

VERIFIED 2-18-19 JEK

Title		Description	
Approach Roadway		Data Worksheet	
Bridge No:	430142	Drawn By: Roy W. Shook	Date: 08/13/2007
		File Name:	S0106000367

Bridge Inspection Field Sketch



Title
PLAN VIEW

Description
PLAN VIEW

Bridge No: 430142

Drawn By: JOHN HOUSTON

Date: 09/22/2016

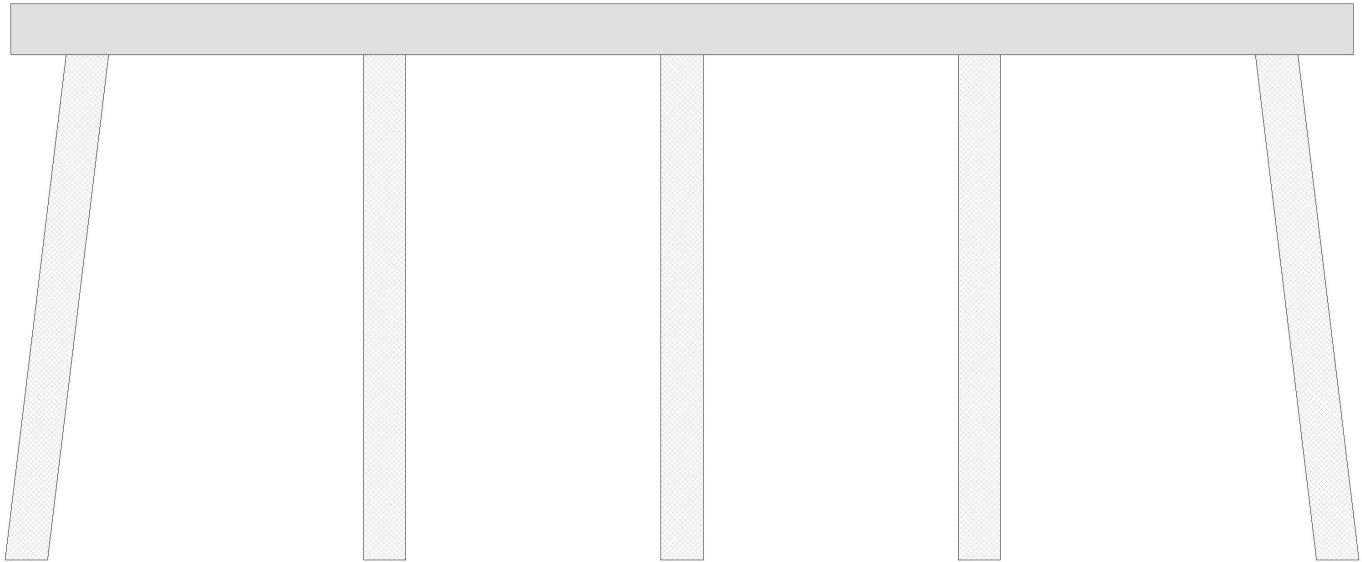
File Name: S0150000646

Bridge Inspection Field Sketch

[illegible]

Title VERTICAL FOOTING EXPOSURES		Description FOOTING EXPOSURES	
Bridge No: 430142	Drawn By: JOHN HOUSTON	Date: 09/22/2016	File Name: S0150000647

Bridge Inspection Field Sketch



Cap Information			Material Cast-in-Place Concrete							
Length	Width	Height	Left Overhang	Right Overhang	Left Beam to End of Cap.	Right Beam to End of Cap.				
79.000 ft.	3.000 ft.	3.000 ft.	4.500 ft.	4.500 ft.	2.000 ft.	2.000 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	17.500 ft.	2.500 ft.	2.500 ft.		Battered	No	No	No	No
2	Concrete	17.500 ft.	2.500 ft.	2.500 ft.		Vertical	No	No	No	No
3	Concrete	17.500 ft.	2.500 ft.	2.500 ft.		Vertical	No	No	No	No
4	Concrete	17.500 ft.	2.500 ft.	2.500 ft.		Vertical	No	No	No	No
5	Concrete		2.500 ft.	2.500 ft.		Battered	No	No	No	No
VERIFIED 2-18-19 JEK										
Bent/Abutment #: 1 Similar Bents: 2,3,4										

Title 5/19/15 - J.C.HUNTSINGER

INTERIOR BENTS

Description

SUBSTRUCTURE DETAILS

Bridge No: 430142

Drawn By: DELVIN ADAMS

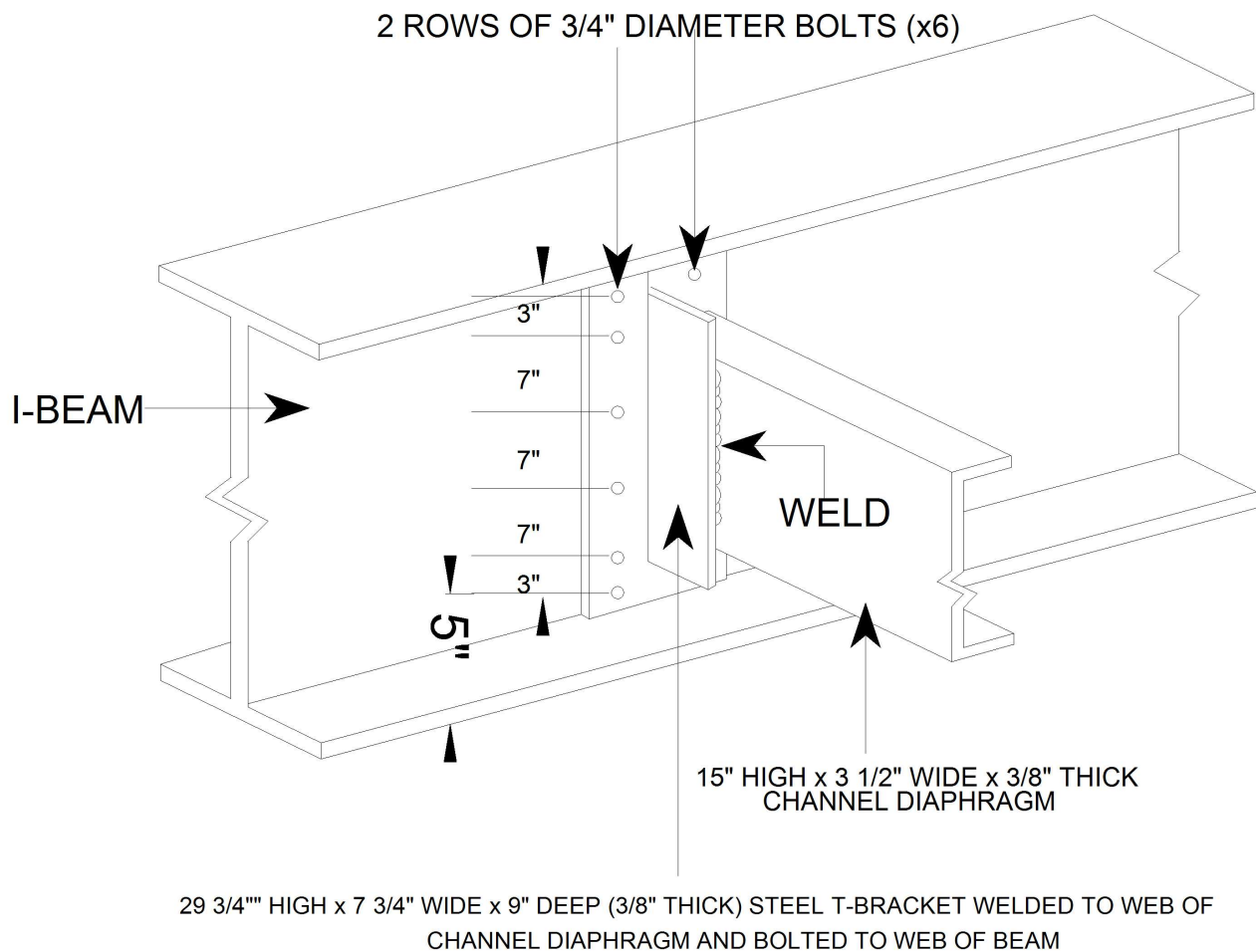
Date: 5/16/2013

File Name: S0102001454

Bridge Inspection Field Sketch

DIAPHRAGM DETAILS

LOCATIONS : 1/4 POINTS OF SPANS



VERIFIED 2-18-19 JEK

Title		Description	
INTERMEDIATE DIAPHRAGMS		DIAPHRAGM DETAILS	
Bridge No:	430142	Drawn By:	DELVIN ADAMS
Date:	5/16/2013	File Name:	S0102001455