



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: **PRIORITY MAINTENANCE ISSUED**

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 02/18/2019

DIVISION: 14 COUNTY: HAYWOOD STRUCTURE NUMBER: 430124 FREQUENCY: 24 MONTHS

FACILITY CARRIED: I-40 MILE POST: 14.9

LOCATION: 5 MI.W.JCT.US276

FEATURE INTERSECTED: SR1338

LATITUDE: 35° 40' 3.95" LONGITUDE: 82° 59' 40.3"

SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE: E.BT1:RC CAP/H-PILES;ABUT.2:RC CAP/ROCK;INT.BTS:RCP&BEAM

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

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

NBI GRADES: DECK 5 SUPERSTRUCTURE 6 SUBSTRUCTURE 5 CULVERT N

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: NONE



LOOKING EAST

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

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS

INSPECTED BY
JEREMY KEENE

SIGNATURE Jeremy Keene

ASSISTED BY MAYUR SHARMA

Structure Element Scoring

Structure Number: **430124**

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	12493	8010	4267	216	0
107	0	Steel Open Girder/Beam	Beam	1600	1197	401	2	0
205	0	Reinforced Concrete Column	Piles and Columns	10	1	6	3	0
215	0	Reinforced Concrete Abutment	Abutments	200	172	19	9	0
225	0	Steel Pile	Piles and Columns	12	12	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	350	242	34	74	0
302	0	Compression Joint Seal	Expansion Joints	316	233	79	4	0
316	0	Other Bearings	Bearing Device	60	2	31	27	0
321	0	Reinforced Concrete Approach Slabs	Approaches	2220	2220	0	0	0
330	0	Metal Bridge Railing	Bridge Rail	332	282	26	24	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	166	0	166	0	0
510	0	Wearing Surface	Wearing Surfaces	11468	11318	150	0	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **430124**

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

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	77 Square Feet
3326	Reinforced Concrete Deck	Cracking (RC and Other)	179 Square Feet
3314	Steel Open Girder/Beam	Damage	1 Feet
3314	Steel Open Girder/Beam	Distortion	1 Feet
3348	Reinforced Concrete Column	Cracking (RC and Other)	10 Each
3348	Reinforced Concrete Column	Delamination/Spall	4 Each
3350	Reinforced Concrete Abutment	Delamination/Spall	17 Feet
3350	Reinforced Concrete Abutment	Cracking (RC and Other)	1 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	12 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	63 Feet
3310	Compression Joint Seal	Adjacent Deck or Header	3 Feet
3310	Compression Joint Seal	Seal Damage	1 Feet
3334	Other Bearings	Connection	2 Each
3334	Other Bearings	Corrosion	27 Each
3322	Metal Bridge Railing	Damage	23 Feet
3322	Metal Bridge Railing	Connection	2 Feet

Element Structure Maintenance Quantities

Structure Number: **430124**

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	18	200	0	9	19	172
Approaches	3353	Maintenance of Concrete Bridge Approach Slabs	0	2220	0	0	0	2220
Beam	3314	Maintenance Steel Superstructure Components	2	1600	0	2	401	1197
Bearing Device	3334	Bridge Bearing	29	60	0	27	31	2
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	0	166	0	0	166	0
Bridge Rail	3322	Maintenance of Steel Bridge Rail	25	332	0	24	26	282
Caps	3348	Maintenance of Concrete Substructure	75	350	0	74	34	242
Deck	3326	Maintenance of Concrete Deck	256	12493	0	216	4267	8010
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	4	316	0	4	79	233
Piles and Columns	3348	Maintenance of Concrete Substructure	14	10	0	3	6	1
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	12	0	0	0	12
Wearing Surfaces	2816	Asphalt Surface Repair	150	11468	0	0	150	11318

Element Condition and Maintenance Data

Structure Number: 430124

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	4,049	3,630	275	144	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	2 - 8 FT TRANSVERSE CRACKS UP TO 1/16" IN UNDERSIDE OF DECK NEAR MIDSPAN, 2 SIMILAR IN BAY 5, 2 SIMILAR IN BAY 9 NEAR END BENT 1	3	48	48	Square Feet
12	Cracking (RC and Other)	DIAGONAL CRACKING UP TO 10 FT LONG, 1/16" WIDE, IN TOP OF DECK AT NORTHWEST CORNER NEAR END BENT 1.	3	15	15	Square Feet
12	Cracking (RC and Other)	SCATTERED TRANSVERSE CRACKS UP TO 1/16" WIDE, SCATTERED THROUGHOUT EASTBOUND AND WESTBOUND LANES 6 FT FROM END BENT 1 END IN TOP OF DECK	3	70	70	Square Feet
12	Delamination/Spall	2 FT X 1 FT DELAMINATION IN UNDERSIDE OF DECK IN BAY 4 NEAR INTERMEDIATE DIAPHRAGM 2	3	2	2	Square Feet
12	Delamination/Spall	2.5 FT X 1 FT X 1" DEEP DELAMINATION/SPALL WITH EXPOSED REBAR NO MEASUREABLE SECTION LOSS, IN THE UNDERSIDE OF DECK IN BAY 4 NEAR INTERMEDIATE DIAPHRAGM 1	3	3	3	Square Feet
12	Delamination/Spall	3 FT X 2 FT AREA OF DELAMINATION IN UNDERSIDE OF DECK IN BAY 8 NEAR INTERMEDIATE DIAPHRAGM 1	3	6	6	Square Feet
12	Cracking (RC and Other)	3 DIAGONAL HAIRLINE CRACKS UP TO 4 FT LONG WITH EFFLORESCENCE IN THE UNDERSIDE OF DECK IN BAY 1 NEAR GIRDER 2 AT END BENT 1	2	12		Square Feet
12	Cracking (RC and Other)	DECK UNDERSIDE, HAIRLINE MAP CRACKING WITH EFFLORESCENCE AT BAY 2. SIMILAR IN BAY 3.	2	160		Square Feet
12	Cracking (RC and Other)	DECK UNDERSIDE, HAIRLINE MAP CRACKING WITH EFFLORESCENCE AT BAY 8 NEAR END BENT 1. SIMILAR IN BAY 6 AND 7	2	40		Square Feet
12	Patched Areas	4 SOUND PATCHED AREA 20" WIDE X 10" LONG RIGHT EAST BOUND LANE AT END BENT 1 END. IN TOP OF DECK	2	2		Square Feet
12	Patched Areas	5 PATCHES, SOUND, IN UNDERSIDE OF DECK IN BAY 8 NEAR BENT 1, SIMILAR 12" DIAMETER PATCH IN BAY 7	2	6		Square Feet
12	Patched Areas	6 FT X 2 FT PATCH, SOUND, IN UNDERSIDE OF RIGHT OVERHANG NEAR END BENT 1	2	12		Square Feet
12	Patched Areas	SOUND PATCHED AREA 2 FT X 2 FT IN RIGHT EAST BOUND LANE AT BENT 1 END IN TOP OF DECK	2	4		Square Feet
12	Patched Areas	SOUND PATCHED AREA 24" WIDE X 18" LONG LEFT WEST BOUND LANE AT BENT 1 END IN TOP OF DECK	2	4		Square Feet
12	Patched Areas	SOUND PATCHED AREA 3 FT X 4 FT IN RIGHT EAST BOUND LANE 8 FT FROM BENT 1 END IN TOP OF DECK	2	12		Square Feet
12	Patched Areas	SOUND PATCHED AREA 4 FT WIDE X 2 FT LONG IN LEFT WEST BOUND LANE 16 FT FROM END BENT 1 END IN TOP OF DECK	2	8		Square Feet
12	Patched Areas	SOUND PATCHED AREAS: (2) 24" WIDE X 10" LONG IN RIGHT EAST BOUND LANE END BENT 1 END IN TOP OF DECK	2	4		Square Feet
12	Patched Areas	SOUND PATCHED AREAS: 4 AT 12" DIAMETER, 12" WIDE X 6' LONG AND 12" DIAMETER AT BAY 9 ALONG BEAM 9 IN UNDERSIDE OF DECK	2	11		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	52	0	52	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	3 FT OF MINOR SCATTERED PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 1 END, PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED	2	3	Feet
107	Corrosion	TOP FLANGE (EXTERIOR) HAS SCATTERED MINOR PITTING, HOWEVER BEAM HAS BEEN RECENTLY CLEANED AND PAINTED WITH CORROSION ARRESTED THROUGHOUT FULL LENGTH	2	49	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	52	49	3	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	3 FT OF MINOR SCATTERED PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 1 END, PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED	2	3	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	52	49	3	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	3 FT OF MINOR SCATTERED PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 1 END, PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED	2	3	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	52	49	3	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	3 FT OF MINOR SCATTERED PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 1 END, PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED	2	3	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	52	49	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	3 FT OF MINOR SCATTERED PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 1 END, PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED	2	3		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	52	49	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	3 FT OF MINOR SCATTERED PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 1 END, PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED	2	3		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	52	49	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	3 FT OF MINOR SCATTERED PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 1 END, PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED	2	3		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	52	49	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	3 FT OF MINOR SCATTERED PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 1 END, PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED	2	3		Feet

General Comments

Span 1**Beam 9****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	52	49	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	3 FT OF MINOR SCATTERED PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 1 END, PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED	2	3		Feet

General Comments

Span 1**Beam 10****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	52	0	52	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	3 FT OF MINOR SCATTERED PITTING IN BOTH BOTTOM FLANGE AT BENT 1 END, PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED	2	3		Feet
107	Corrosion	TOP FLANGE (EXTERIOR) HAS SCATTERED MINOR PITTING, HOWEVER BEAM HAS BEEN RECENTLY CLEANED AND PAINTED WITH CORROSION ARRESTED THROUGHOUT FULL SPAN LENGTH	2	49		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	54	46	0	8	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Damage	(8) TRANSVERSE WRAPAROUND CRACKS UP TO FULL HEIGHT OF RAIL, UP TO 1/16", SCATTERED THROUGHOUT LENGTH OF SPAN IN CONCRETE CURB	3	8		8 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	54	50	0	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
330	Damage	(4) TRANSVERSE WRAPAROUND CRACKS UP TO FULL HEIGHT OF RAIL, UP TO 1/16", SCATTERED THROUGHOUT LENGTH OF SPAN IN CONCRETE CURB	3	4		4 Feet

General Comments

Span 1**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	BEARING HAS BEEN CLEANED AND PAINTED, SURFACE RUST ON BEARING.	2	1		Each

General Comments

Span 1**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PACK RUST COMING THROUGH COATING	3	1	1	Each

General Comments

Span 1**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each

General Comments

Span 1**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PACK RUST COMING THROUGH COATING	3	1	1	Each

General Comments

Span 1**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1		Each

Span 1 Far Bearing

Other Bearing

General Comments

Span 1	Near Bearing
Other Bearing	

General Comments

Span 1	Far Bearing
Other Bearing	

General Comments

Span 1	Far Bearing
Other Bearing	

General Comments

Span 1**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	PAINTED OVER PACK RUST, NO MEASURABLE SECTION LOSS.	2	1			Each
General Comments							

Span 1**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1			Each
General Comments							

Span 1**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	PAINTED OVER PACK RUST, NO MEASURABLE SECTION LOSS.	2	1			Each
General Comments							

Span 1**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1			Each
General Comments							

Span 1**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		

Structure Number: **430124**Inspection Date: **02/18/2019**

316	Corrosion	PACK RUST COMING THROUGH COATING	3	1	1	Each
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General Comments**Span 1 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1	Each

General Comments**Span 1 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1	Each

General Comments**Span 1 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	SURFACE RUST ON BEARING PLATE.	2	1	Each

General Comments**Span 1 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1	Each

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		54	0	54	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	HAIRLINE MAP CRACKING IN LOWER 2 FT OF MEDIAN RAIL WITH VERTICAL HAIRLINE CRACKS UP TO FULL HEIGHT OF BARRIER, SCATTERED THROUGHOUT NORTH AND SOUTH FACE OF BARRIER FOR FULL LENGTH OF SPAN.	2	54		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		79	44	31	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
302	Adjacent Deck or Header	SPALLED/DEPRESSED HEADER IN RIGHT LANE OF EASTBOUND LANES, 3 FT X 6" X 2" DEEP, NO EXPOSED REINFORCEMENT.	3	3		3 Feet
302	Seal Damage	4" X 1" TEAR IN JOINT MATERIAL IN WESTBOUND LANES AT RIGHT SHOULDER.	3	1		1 Feet
302	Adjacent Deck or Header	18 FT OF SOUND PATCHES TO CONCRETE HEADER IN WESTBOUND TRAVEL LANES.	2	18		Feet
302	Adjacent Deck or Header	SOUND PATCHES TO HEADER SCATTERED ALONG JOINT IN EASTBOUND LANES.	2	7		Feet
302	Debris Impaction	6 FT OF DEBRIS IMPACTION IN RIGHT SHOULDER OF EASTBOUND LANES, JOINT MOVEMENT UNAFFECTED.	2	6		Feet
General Comments						

Span 1**Wearing Surface****Concrete Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	3,717	3,702	15	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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	4,049	2,847	1,186	16	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	FULL WIDTH TRANSVERSE CRACK UP TO 1/16" IN THE UNDERSIDE OF DECK, BAY 9, NEAR BENT 1	3	6	6	Square Feet

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12	Delamination/Spall	1 FT X 18" DELAMINATION IN UNDERSIDE OF NORTH OVERHANG OVER NORTHBOUND TRAVEL LANES (PRIORITY MAINTENANCE)	3	2	2 Square Feet
12	Delamination/Spall	3 FT X 1 FT DELAMINATION IN UNDERSIDE OF DECK IN BAY 9 AT GIRDER 10 ABOVE TRAVEL LANES (PRIORITY MAINTENANCE)	3	3	3 Square Feet
12	Delamination/Spall	6" DIAMETER X 1" DEEP SPALL, NO EXPOSED REBAR, IN UNDERSIDE OF DECK IN BAY 1 NEAR DIAPHRAGM 1, 1 SIMILAR NEAR DIAPHRAGM 2 UP TO 2" DIAMETER	3	2	2 Square Feet
12	Delamination/Spall	SPALL 12" X 12" X 2" DEEP IN LEFT OVERHANG 12 FT FROM BENT 1 END ,NO EXPOSED REBAR IN UNDERSIDE OF DECK	3	1	1 Square Feet
12	Delamination/Spall	SPALL IN UNDERSIDE OF DECK, 2 FT X 1 FT X 2-1/2" DEEP AT BAY 1, 12' FROM BENT 1 END, NO EXPOSED REBAR	3	2	2 Square Feet
12	Cracking (RC and Other)	2 FULL WIDTH TRANSVERSE CRACKS UP TO 1/16" IN UNDERSIDE OF DECK WITH EFFLORESCENCE IN BAY 1, 3 SIMILAR IN BAY 5	2	30	Square Feet
12	Cracking (RC and Other)	DIAGONAL HAIRLINE CRACKS 4 FT TO 6 FT APART WESTBOUND LANE AT BENT 1 END IN TOP OF DECK	2	40	40 Square Feet
12	Cracking (RC and Other)	HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN BAY 3 UNDERNEATH AT MID-SPAN. SIMILAR IN BAY 2, 7, AND 8	2	180	Square Feet
12	Cracking (RC and Other)	TOP OF DECK, SCATTERED DIAGONAL AND TRANSVERSE CRACKS UP TO 1/32" WIDE, UP TO FULL WIDTH OF LANES, SPACED AT APPROXIMATELY 3 TO 6 FT CENTERS THROUGHOUT FULL LENGTH OF SPAN IN EASTBOUND LANES.	2	850	Square Feet
12	Patched Areas	2 PATCHES UP TO 16" X 10" IN UNDERSIDE OF DECK IN BAY 1 NEAR BENT 1	2	2	Square Feet
12	Patched Areas	8 PATCHES UP TO 2" X 1" SOUND, IN UNDERSIDE OF DECK SCATTERED THROUGHOUT BAY 7, 8, 9, AND 6	2	31	Square Feet
12	Patched Areas	SOUND PATCHED AREA 18" WIDE X 6" LONG EAST BOUND LANE AT BENT 2 END IN TOP OF DECK	2	1	Square Feet
12	Patched Areas	SOUND PATCHED AREA 3 FT X 3 FT IN RIGHT EASTBOUND LANE AT BENT 2 END IN TOP OF DECK	2	9	Square Feet
12	Patched Areas	SOUND PATCHED AREA 4 FT WIDE X 7 FT LONG IN RIGHT EASTBOUND LANE AT BENT 1 END IN TOP OF DECK	2	28	Square Feet
12	Patched Areas	SURFACE ABRASION UP TO 1/4" DEEP IN SOUND ASPHALT PATCH, 15 FT FROM BENT 1 JOINT IN EASTBOUND TRAVEL LANES, AGGREGATE SECURE.	2	15	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	52	0	51	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Distortion	BOTTOM FLANGE HAS MISSING SECTION OVER NORTHBOUND LANES FOR 15" LONG X 2" WIDE FOR FULL FLANGE DEPTH AT MIDSPAN. (PRIORITY MAINTENANCE)	3	1	1 Feet
107	Corrosion	MINOR SCATTERED PITTING ALONG BOTTOM LEFT FLANGE THROUGHOUT FULL LENGTH AND BOTTOM 3" OF WEB AT BENTS, HOWEVER, BEAM HAS BEEN RECENTLY CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	45	Feet
107	Damage	5 FT REPAIR TO COVER PLATE ON BOTTOM FLANGE AT DIAPHRAGM 1	2	5	Feet
107	Distortion	1 FT OF DISTORTION TO THE BOTTOM FLANGE WITH UP TO 1/4" DEFLECTION NEAR INTERMEDIATE DIAPHRAGM 1	2	1	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	52	44	8	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	3 FT MINOR SCATTERED PITTING AT BOTH ENDS PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3		Feet
107	Damage	5 FT REPAIR TO COVER PLATE ON BOTTOM FLANGE AT DIAPHRAGM 1	2	5		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	52	48	3	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Damage	BOTTOM FLANGE OVER SOUTHBOUND LANES HAS MISSING SECTION FOR 6" LONG X UP TO 1" WIDE FOR FULL DEPTH OF BOTTOM FLANGE AT MIDSPAN (PRIORITY MAINTENANCE)	3	1	1	Feet
107	Corrosion	MINOR SCATTERED PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BOTH ENDS PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3		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	52	49	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED MINOR PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BOTH ENDS PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3		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	52	44	8	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	2 FT x FULL FLANGE WIDTH SURFACE CORROSION IN BOTTOM FLANGE OF GIRDER 5 AT BENT 2, NO MEASURABLE SECTION LOSS	2	2		Feet

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107	Corrosion	ACTIVE FRECKLE SURFACE RUST 3 FT LONG AT BENT 1 END.	2	3	Feet
107	Corrosion	SCATTERED MINOR PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3	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	52	49	3	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SCATTERED MINOR PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BOTH ENDS PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3	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	52	49	3	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SCATTERED MINOR PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BOTH ENDS PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3	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	52	49	3	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SCATTERED MINOR PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BOTH ENDS PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3	Feet

General Comments**Span 2****Beam 9****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	52	49	3	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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107	Corrosion	SCATTERED MINOR PITTING IN BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BOTH ENDS PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3	Feet
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General Comments**Span 2****Beam 10****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	52	0	52	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	SCATTERED MINOR PITTING ALONG BOTTOM RIGHT FLANGE THROUGHOUT FULL LENGTH AND BOTTOM 3" OF WEB AT BENTS, HOWEVER, BEAM HAS BEEN RECENTLY CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	52	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	54	33	15	6	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Connection	FOURTH POST IN SPAN HAS LOOSE ATTACHMENT FROM GUARDRAIL TO TUBE	3	1	1 Feet
330	Damage	(5) TRANSVERSE WRAPAROUND CRACKS UP TO 1/16", SCATTERED THROUGHOUT LENGTH OF SPAN IN CONCRETE CURB	3	5	5 Feet
330	Damage	(5) TRANSVERSE HAIRLINE WRAPAROUND CRACKS SCATTERED THROUGHOUT LENGTH OF SPAN IN CONCRETE CURB	2	5	Feet
330	Damage	10 FT OF IMPACT SCRAPE MARKS AT BENT 2.	2	10	Feet

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	54	50	0	4	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Damage	(4) TRANSVERSE WRAPAROUND CRACKS UP TO 1/16", SCATTERED THROUGHOUT LENGTH OF SPAN IN CONCRETE CURB	3	4	4 Feet

General Comments

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PACK RUST COMING THROUGH COATING	3	1	1 Each
General Comments					

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PACK RUST COMING THROUGH COATING	3	1	1 Each
General Comments					

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PACK RUST COMING THROUGH COATING	3	1	1 Each
General Comments					

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PACK RUST COMING THROUGH COATING	3	1	1 Each
General Comments					

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PACK RUST COMING THROUGH COATING	3	1	1 Each

General Comments**Span 2 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PACK RUST COMING THROUGH COATING	3	1	1 Each

General Comments**Span 2 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PACK RUST COMING THROUGH COATING	3	1	1 Each

General Comments**Span 2 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1	Each

General Comments**Span 2 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PACK RUST COMING THROUGH COATING	3	1	1 Each

General Comments

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1			Each
General Comments							

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1			Each
General Comments							

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1			Each
General Comments							

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1			Each
General Comments							

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1			Each

General Comments**Span 2 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PACK RUST COMING THROUGH COATING	3	1	1 Each

General Comments**Span 2 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1	Each

General Comments**Span 2 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1	Each

General Comments**Span 2 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1	Each

General Comments

Span 2 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1		Each

General Comments

Span 2 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1		Each

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	54	0	54	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	HAIRLINE MAP CRACKING IN LOWER 2 FT OF MEDIAN RAIL WITH VERTICAL CRACKS UP TO FULL HEIGHT OF BARRIER, SCATTERED THROUGHOUT NORTH AND SOUTH FACE OF BARRIER FOR FULL LENGTH OF SPAN.	2	54		Feet

General Comments

Span 2 Expansion Joint**Compression Seal**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
302	Compression Joint Seal	79	75	4	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
302	Adjacent Deck or Header	4 FT OF SOUND PATCHES IN JOINT HEADER IN WESTBOUND TRAVEL LANES.	2	4		Feet

General Comments

Span 2**Wearing Surface****Concrete Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	3,717	3,682	35	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments					
NONE					

Span 3**Deck****Reinforced Concrete Deck**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	4,395	1,533	2,806	56	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Delamination/Spall	10 FT LONG x 3 FT WIDE DELAMINATION IN UNDERSIDE OF DECK IN BAY 4 AT 4 FT FROM END BENT 2 ADJACENT TO GIRDER 5.	3	30	30 Square Feet
12	Delamination/Spall	2 - 6" DIAMETER x 1" DEEP SPALLS WITH EXPOSED REBAR IN NORTH OVERHANG IN UNDERSIDE OF DECK, NO MEASURABLE SECTION LOSS.	3	2	2 Square Feet
12	Delamination/Spall	6 FT x 2 FT WIDE DELAMINATION ADJACENT TO GIRDER 10, IN UNDERSIDE OF DECK IN BAY 9 AT 2 FT FROM END BENT 2	3	12	12 Square Feet
12	Delamination/Spall	8 FT x 11" x 4" SPALL IN UNDERSIDE OF DECK WITH EXPOSED REBAR UP TO 10% SECTION LOSS IN BAY 8 AT BENT 2, IN SPAN 2 AND 3	3	8	8 Square Feet
12	Delamination/Spall	SPALL 1 FT LONG X 4 FT WIDE X 3" DEEP WITH 2 REBARS EXPOSED AND 12" X 12" SOUND PATCH AT BAY 6, NO MEASURABLE SECTION LOSS	3	4	4 Square Feet
12	Cracking (RC and Other)	2 FULL WIDTH HAIRLINE TRANSVERSE CRACKS SCATTERED IN BAY 6 WITH EFFLORESCENCE AND 5 SOUND PATCHES IN UNDERSIDE OF DECK SOUTH FACE	2	15	Square Feet
12	Cracking (RC and Other)	2 SCATTERED FULL WIDTH HAIRLINE TRANSVERSE CRACKS IN BAY 9 IN UNDERSIDE OF DECK	2	15	Square Feet
12	Cracking (RC and Other)	4 SCATTERED TRANSVERSE HAIRLINE CRACKS x FULL WIDTH IN UNDERSIDE OF DECK IN SOUTH OVERHANG	2	20	Square Feet
12	Cracking (RC and Other)	7 FULL WIDTH HAIRLINE TRANSVERSE CRACKS SCATTERED IN BAY 8 WITH EFFLORESCENCE IN UNDERSIDE OF DECK AND 5 SOUTH FACE SOUND PATCHES.	2	40	Square Feet
12	Cracking (RC and Other)	7 FULL WIDTH HAIRLINE TRANSVERSE CRACKS SCATTERED IN UNDERSIDE OF BAY 5 WITH EFFLORESCENCE	2	35	Square Feet
12	Cracking (RC and Other)	8 FT HAIRLINE DIAGONAL CRACKS (5) 3 FT TO 4 FT APART IN EASTBOUND LANE AT SOUTHEAST CORNER END BENT 2 END IN TOP OF DECK	2	80	Square Feet
12	Cracking (RC and Other)	HAIRLINE MAP CRACKING IN EASTBOUND LANE ALONG BENT 2 END.	2	300	Square Feet
12	Cracking (RC and Other)	HAIRLINE MAP CRACKING IN EASTBOUND LANE IN MID-SPAN AREA IN TOP OF DECK	2	600	Square Feet
12	Cracking (RC and Other)	HAIRLINE MAP CRACKING IN UNDERSIDE AT BAY 4.	2	160	Square Feet
12	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKING THROUGHOUT FULL LENGTH OF SPAN IN BAY 3 WITH EFFLORESCENCE IN UNDERSIDE OF DECK	2	160	Square Feet
12	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKING UP TO FULL WIDTH OF BAY 2 WITH EFFLORESCENCE AT END BENT 2 FOR 19 FT LONG IN UNDERSIDE OF DECK	2	150	Square Feet

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12	Cracking (RC and Other)	SCATTERED HAIRLINE MAP CRACKING UP TO FULL WIDTH OF BAY 7 THROUGHOUT FULL LENGTH OF SPAN AND 25 SOUND PATCHES IN SOUTH FACE	2	75	Square Feet
12	Cracking (RC and Other)	TOP OF DECK, SCATTERED TRANSVERSE AND DIAGONAL CRACKS UP TO FULL WIDTH OF LANES, UP TO 1/32" WIDE, SPACED AT APPROXIMATELY 4FT TO 6FT CENTERS, SCATTERED THROUGHOUT BOTH TRAVEL LANES FOR LENGTH OF SPAN.	2	1,100	Square Feet
12	Delamination/Spall	SCATTERED DELAMINATIONS UP TO 6" DIAMETER SPACED AT 4 FT CENTER IN NORTH OVERHANG IN UNDERSIDE OF DECK.	2	10	Square Feet
12	Patched Areas	SCATTERED SOUND PATCHED AREAS: (5) 10" WIDE X 36" LONG, 2 FT X 3 FT, 18" WIDE X 36" LONG, 16" X 16", AND 16" WIDE X 4 FT LONG IN BAY 9 ALONG BEAM 9 IN UNDERSIDE OF DECK	2	20	Square Feet
12	Patched Areas	SOUND PATCHED AREA 10" WIDE X 24" LONG IN BAY 7 6 FT FROM END BENT 2 END IN UNDERSIDE OF DECK	2	2	Square Feet
12	Patched Areas	SOUND PATCHED AREA 2 FT X 2 FT IN EASTBOUND LANE AT CENTERLINE, END BENT 2 END IN TOP OF DECK	2	4	Square Feet
12	Patched Areas	SOUND PATCHED AREA 20" WIDE X 48" LONG IN LEFT WESTBOUND LANE 16 FT FROM BENT 2 END IN TOP OF DECK	2	8	Square Feet
12	Patched Areas	SOUND PATCHED AREA 3 FT X 3 FT IN EASTBOUND LANE AT CENTERLINE 12 FT FROM END BENT 2 END IN TOP OF DECK	2	9	Square Feet
12	Patched Areas	SOUND PATCHED AREAS: (3) 10" X 10", 10" WIDE X 14" LONG AND 8" DIAMETER IN BAY 9 NEAR END BENT 2 END IN UNDERSIDE OF DECK	2	3	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	56	0	56	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED MINOR PITTING ON BOTTOM 3" OF WEB AND BOTTOM FLANGE THROUGHOUT FULL SPAN LENGTH, HOWEVER, BEAM HAS BEEN RECENTLY PAINTED AND CORROSION ARRESTED.	2	56		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	56	53	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED MINOR PITTING ON BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3		Feet

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	56	53	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED MINOR PITTING ON BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3		Feet

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	56	53	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED MINOR PITTING ON BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3		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	56	53	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED MINOR PITTING ON BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3		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	56	53	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED MINOR PITTING ON BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3		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	56	53	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED MINOR PITTING ON BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3		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	56	53	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED MINOR PITTING ON BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3		Feet

General Comments

Span 3**Beam 9****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	56	53	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED MINOR PITTING ON BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3 FT, HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3		Feet

General Comments

Span 3**Beam 10****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	56	0	56	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SCATTERED MINOR PITTING ON BOTTOM RIGHT FLANGE THROUGHOUT FULL LENGTH AND BOTTOM 3" OF WEB AT BENTS, HOWEVER, BEAM HAS BEEN RECENTLY CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	56		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	58	52	4	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Damage	(2) TRANSVERSE WRAPAROUND CRACKS UP TO 1/16", SCATTERED THROUGHOUT LENGTH OF SPAN IN CONCRETE CURB	3	2	2 Feet
330	Connection	FOURTH POST HAS LOOSE CONNECTION BETWEEN GUARDRAIL AND TUBE.	2	1	1 Feet
330	Damage	(3) TRANSVERSE HAIRLINE WRAPAROUND CRACKS SCATTERED THROUGHOUT LENGTH OF SPAN IN CONCRETE CURB	2	3	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	58	51	7	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
330	Damage	(7) TRANSVERSE HAIRLINE WRAPAROUND CRACKS SCATTERED THROUGHOUT LENGTH OF SPAN IN CONCRETE CURB	2	7	Feet

General Comments**Span 3 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PACK RUST COMING THROUGH COATING	3	1	1 Each

General Comments**Span 3 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PACK RUST COMING THROUGHOUT COATING	3	1	1 Each

General Comments

Span 3**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Connection	LEFT AND RIGHT ANCHOR BOLT NUTS HAVE 50% SECTION REMAINING BUT STILL SECURE AND IN PLACE, PAINTED OVER	3		1	Each
316	Corrosion	PACK RUST COMING THROUGH COATING	3	1	1	Each

General Comments

Span 3**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PACK RUST COMING THROUGHOUT COATING	3	1	1	Each

General Comments

Span 3**Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Connection	LEFT ANCHOR BOLT NUT HAS 50% SECTION REMAINING BUT STILL SECURE AND IN PLACE, PAINTED OVER	3		1	Each
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1		Each

General Comments

Span 3**Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	PACK RUST COMING THROUGHOUT COATING.	3	1	1	Each

General Comments

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1			Each
General Comments							

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	PACK RUST COMING THROUGHOUT COATING.	3	1	1		Each
General Comments							

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1			Each
General Comments							

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	PACK RUST COMING THROUGHOUT COATING.	3	1	1		Each
General Comments							

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1			Each

General Comments**Span 3 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PACK RUST COMING THROUGHOUT COATING.	3	1	1 Each

General Comments**Span 3 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1	Each

General Comments**Span 3 Far Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	0	1	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	PACK RUST COMING THROUGHOUT COATING PAINTED OVER	3	1	1 Each

General Comments**Span 3 Near Bearing****Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1	Each

General Comments

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	PACK RUST COMING THROUGHOUT COATING PAINTED OVER	3	1	1	Each	
General Comments							

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1		Each	
General Comments							

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	PACK RUST COMING THROUGHOUT COATING.	3	1	1	Each	
General Comments							

Span 3 Near Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	1	0	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SURFACE CORROSION COMING THROUGH COATING	2	1		Each	
General Comments							

Span 3 Far Bearing**Other Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	PACK RUST COMING THROUGHOUT COATING.	3	1	1	Each	

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	58	0	58	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	HAIRLINE MAP CRACKING IN LOWER 2 FT OF MEDIAN RAIL WITH VERTICAL HAIRLINE CRACKS UP TO FULL HEIGHT OF BARRIER, SCATTERED THROUGHOUT NORTH AND SOUTH FACE OF BARRIER FOR FULL LENGTH OF SPAN.	2	58		Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
302	Compression Joint Seal	79	70	9	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
302	Debris Impaction	6 FT OF DEBRIS IMPACTION IN RIGHT SHOULDER OF EASTBOUND LANES, JOINT MOVEMENT UNAFFECTED.	2	6		Feet
302	Seal Adhesion	(2) 1 FT LONG AREAS OF ADHESION LOSS, LESS THAN 50%, NEAR RIGHT SHOULDER LINE OF WESTBOUND LANES.	2	2		Feet
302	Seal Cracking	SURFACE CRACKS IN JOINT SEAL AT RIGHT SHOULDER OF WESTBOUND TRAVEL LANES.	2	1		Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
302	Compression Joint Seal	79	44	35	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
302	Adjacent Deck or Header	10 FT OF SOUND PATCHES IN ADJACENT CONCRETE HEADER IN WESTBOUND TRAVEL LANES.	2	10		Feet
302	Debris Impaction	10 FT OF DEBRIS IMPACTION SCATTERED THROUGHOUT JOINT IN EASTBOUND LANES, JOINT MOVEMENT UNAFFECTED.	2	10		Feet
302	Debris Impaction	15 FT OF DEBRIS IMPACTION SCATTERED THROUGHOUT JOINT IN WESTBOUND TRAVEL LANES, JOINT MOVEMENT UNAFFECTED.	2	15		Feet

General Comments

Span 3**Wearing Surface****Concrete Wearing Surface**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	4,034	3,934	100	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments					
NONE					

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	91	71	3	17	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	18" X 6" DELAMINATION IN FRONT FACE OF CAP BELOW BAY 2.	3	2	2 Feet
234	Delamination/Spall	2 FT LONG X FULL HEIGHT DELAMINATION IN FRONT FACE OF CAP BELOW GIRDER 4 AND GIRDER 5.	3	8	8 Feet
234	Delamination/Spall	6" X 18" X 6" DELAMINATION IN TOP AND FRONT FACE OF CAP AT STEP BELOW BAY 1.	3	2	2 Feet
234	Delamination/Spall	6" X FULL HEIGHT DELAMINATION IN FRONT FACE OF CAP, EXTENDING 4" INTO TOP OF CAP BELOW BAY 5.	3	2	2 Feet
234	Delamination/Spall	FULL WIDTH DELAMINATION IN TOP OF CAP BELOW BAY 6, BAY 7, BAY 8, EXTENDING 4" INTO FRONT OF CAP.	3	3	3 Feet
234	Cracking (RC and Other)	3 FT LONG HORIZONTAL HAIRLINE CRACK WITH RUST STAINING IN FRONT FACE OF CAP BELOW BAY 2.	2	3	Feet
General Comments					

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	85	69	13	3	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	LOSS IN BEARING AREA UNDER GIRDER 2 IN TOP OF WEST FACE OF CAP, 75% BEARING AREA REMAINING, PRIORITY MAINTENANCE ISSUED. 3 FT x 20" x 5.5" DEEP SPALL WITH EXPOSED REBAR, NO MEASURABLE SECTION LOSS ON REBAR.	3	3	3 Feet
234	Cracking (RC and Other)	3 FT x FULL HEIGHT HAIRLINE MAP CRACKING IN WEST FACE OF CAP AT BENT 1 UNDER BAY 1	2	3	Feet
234	Cracking (RC and Other)	HAIRLINE MAP CRACKING BETWEEN BEAMS 1 AND 2 ON EAST FACE.	2	1	Feet
234	Cracking (RC and Other)	VERTICAL HAIRLINE CRACK 6' HIGH COLUMN 3 TO BEAM 6 SEAT ON EAST FACE.	2	1	Feet
234	Patched Area	SOUND PATCHWORK COLUMN 2 TO COLUMN 3 EAST FACE.	2	1	Feet
234	Patched Area	SOUND PATCHWORK COLUMN 2 TO COLUMN 3 WEST FACE.	2	1	Feet
234	Patched Area	SOUND PATCHWORK COLUMN 3 TO COLUMN 4 ON EAST FACE.	2	1	Feet
234	Patched Area	SOUND PATCHWORK COLUMN 3 TO COLUMN 4 WEST FACE.	2	1	Feet

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234	Patched Area	SOUND PATCHWORK COLUMN 4 TO RIGHT END WEST FACE.	2	1	Feet
234	Patched Area	SOUND PATCHWORK COLUMN 4 TO RIGHT END.	2	1	Feet
234	Patched Area	SOUND PATCHWORK LEFT END TO COLUMN 2 ON EAST FACE.	2	1	Feet
234	Patched Area	SOUND PATCHWORK LEFT END TO COLUMN 2 WEST FACE.	2	1	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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Cracking (RC and Other)	4 FT HORIZONTAL HAIRLINE CRACKS IN NORTH FACE OF COLUMN NEAR TOP OF CAP	2			Each
205	Patched Area	8 FT x 2 FT WIDE SOUND PATCH IN EAST FACE OF COLUMN	2			Each
205	Patched Area	8 FT x 2 FT WIDE SOUND PATCH IN WEST FACE OF COLUMN	2	1		Each

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	18" HIGH x 6" WIDE x 4 " WIDE DELAMINATION IN SOUTHEAST CORNER OF COLUMN 2	3	1	2	Each
205	Patched Area	UN SOUND PATCHED AREA 6" WIDE x 1 FT WIDE X 5' HIGH IN NORTHEAST CORNER WITH 5 - 2 FT HIGH VERTICAL HAIRLINE CRACKS 6" TO 1' APART.	2			Each

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Cracking (RC and Other)	1 FT VERTICAL HAIRLINE CRACK IN WEST FACE NEAR TOP OF CAP NEAR SOUTH EDGE OF COLUMN	2			Each
205	Patched Area	SOUND PATCHWORK 1 FT WIDE x 1 FT WIDE x 1 FT HIGH ON SOUTHEAST FACE, SIMILAR ON NORTHEAST FACE	2	1		Each

General Comments

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Patched Area	UN SOUND PATCHWORK 4 FT HIGH x FULL WIDTH OF COLUMN ON SOUTHWEST FACE NEAR BOTTOM OF CAP	2	1		Each

General Comments

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	18" DIAMETER x 1.5" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM NORTH FACE, NO MEASURABLE SECTION LOSS	3	1	2	Each

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	86	10	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Cracking (RC and Other)	FULL HEIGHT VERTICAL CRACK UP TO 1/16" WIDE IN BACKWALL OF BAY 2 AT GIRDER 3.	3	1	1	Feet
215	Delamination/Spall	3 FT X 2 FT DELAMINATION IN BACKWALL OF BAY 8.	3	3	6	Feet
215	Cracking (RC and Other)	(2) HAIRLINE DIAGONAL CRACKS IN BACKWALL UP TO 2 FT LONG, BEGINNING AT GIRDER 10 WEB.	2	2		Feet
215	Cracking (RC and Other)	1 FT HAIRLINE DIAGONAL CRACK IN BACKWALL AT GIRDER 4 BOTTOM FLANGE.	2	1		Feet
215	Cracking (RC and Other)	15" DIAGONAL HAIRLINE CRACK IN BACKWALL AT BOTTOM FLANGE OF GIRDER 6 IN BAY 5. SIMILAR IN BAY 6 AT GIRDER 7, BAY 8 AT GIRDER 9, BAY 9 AT GIRDER 10.	2	5		Feet
215	Cracking (RC and Other)	FULL HEIGHT VERTICAL HAIRLINE CRACK WITH EFFLORESCENCE IN BACKWALL OF BAY 3.	2	1		Feet
215	Delamination/Spall	2" X 2" DELAMINATION IN BACKWALL AT GIRDER 5 BOTTOM FLANGE IN BAY 4.	2	1	1	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	85	62	9	14	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Delamination/Spall	32" x 18" DELAMINATION UNDER GIRDER 9 IN EAST FACE	3	3	3	Feet

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		OF CAP			
234	Delamination/Spall	38" LONG x 4" HIGH x 7" DELAMINATION IN BOTTOM CORNER OF EAST FACE OF CAP BELOW BAY 2	3	4	4 Feet
234	Delamination/Spall	42" x 6" x 4" DELAMINATION IN BOTTOM CORNER OF EAST FACE OF CAP UNDER BAY 8	3	3	3 Feet
234	Delamination/Spall	44" x 15" x 5" DELAMINATION IN TOP CORNER OF EAST FACE OF CAP BELOW GIRDER 1	3	4	4 Feet
234	Delamination/Spall	1 FT DIAMETER DELAMINATION IN EAST FACE OF BENT 2 UNDER BAY 6	2	1	1 Feet
234	Patched Area	SOUND PATCHWORK COLUMN 2 TO COLUMN 3 ON EAST FACE.	2	1	Feet
234	Patched Area	SOUND PATCHWORK COLUMN 2 TO COLUMN 3 ON WEST FACE.	2	1	Feet
234	Patched Area	SOUND PATCHWORK COLUMN 3 TO COLUMN 4 EAST FACE.	2	1	Feet
234	Patched Area	SOUND PATCHWORK COLUMN 3 TO COLUMN 4 WEST FACE.	2	1	Feet
234	Patched Area	SOUND PATCHWORK COLUMN 4 TO RIGHT END EAST FACE.	2	1	Feet
234	Patched Area	SOUND PATCHWORK COLUMN 4 TO RIGHT END.	2	1	Feet
234	Patched Area	SOUND PATCHWORK LEFT END TO COLUMN 2 EAST FACE.	2	1	Feet
234	Patched Area	SOUND PATCHWORK LEFT END TO COLUMN 2 ON WEST FACE.	2	1	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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Cracking (RC and Other)	2 VERTICAL CRACKS, ONE AT BOTTOM OF COLUMN IN WEST FACE IS 3.5 FT HIGH x UP TO 1/16" WIDE AND ANOTHER NEAR TOP OF COLUMN IS 4 FT HIGH x UP TO 1/16" WIDE GOING THROUGH A PATCH	3		8	Each
205	Patched Area	SOUND PATCHWORK ALONG TOP 9 FT ON EAST FACE.	2			Each
205	Patched Area	SOUND PATCHWORK FULL HEIGHT NORTH AND WEST FACES.	2	1		Each

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Cracking (RC and Other)	2 FT VERTICAL CRACK UP TO 1/16" WIDE IN TOP AND BOTTOM OF COLUMN IN EAST FACE	3	1	2	Each
205	Cracking (RC and Other)	3 - 2 FT HIGH VERTICAL HAIRLINE CRACKS IN NORTH FACE OF COLUMN	2			Each
205	Patched Area	SOUND PATCHWORK ALONG TOP 5 FT ON NORTH AND EAST FACES.	2			Each
205	Patched Area	SOUND PATCHWORK FULL HEIGHT NORTH AND WEST FACES.	2			Each

General Comments

Pile 4

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Patched Area	SOUND PATCHWORK ALONG TOP 6 FT ON SOUTH AND EAST FACE.	2	1		Each
General Comments						

Pile 5

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Patched Area	SOUND PATCHWORK TOP 3 FT HIGH ON WEST AND SOUTH FACES.	2	1		Each
General Comments						

Cap 1

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	89	40	9	40	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Delamination/Spall	1 FT DIAMETER DELAMINATION IN STEP OF CAP AT BAY 9	3	1	1 Feet
234	Delamination/Spall	13 FT x FULL HEIGHT OF CAP DELAMINATION IN CAP VERTICAL FACE FROM HALF OF BAY 7 TO FULL LENGTH OF BAY 8 WITH 1/4" WIDE CRACK GOING THROUGH	3	13	13 Feet
234	Delamination/Spall	4 FT WIDE x 1 FT HIGH DELAMINATION WITH RUST STAINING, IN BOTTOM VERTICAL FACE OF CAP UNDER BAY 6	3	4	4 Feet
234	Delamination/Spall	9 FT x FULL HEIGHT OF CAP DELAMINATION UNDER BAY 2 WITH HORIZONTAL CRACK GOING THROUGH	3	9	9 Feet
234	Delamination/Spall	SPALL 11" WIDE X 6" HIGH X 1/2" DEEP BETWEEN BEAMS 2 AND 3, NO EXPOSED REBAR	3	1	1 Feet
234	Patched Area	SCATTERED CRACKED UNSOUND REPAIRS THROUGHOUT END BENT CAP	3	12	12 Feet
234	Cracking (RC and Other)	1 FT HAIRLINE LONGITUDINAL CRACK AT BEAM 3.	2	1	Feet
234	Cracking (RC and Other)	8 FT HORIZONTAL HAIRLINE CRACK IN VERTICAL FACE OF CAP UNDER BAY 4 WITH RUST STAINING	2	8	Feet
234	Patched Area	SOUND PATCHWORK (EPOXY) FULL LENGTH OF CAP FACE.	2		Feet
General Comments					

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
215	Reinforced Concrete Abutment	100	86	9	5	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
215	Delamination/Spall	1 FT WIDE x 2" HIGH DELAMINATION AT GIRDER 1 NEAR BOTTOM FLANGE IN BACKWALL UNDER BAY 1	3	1	1 Feet
215	Delamination/Spall	15" WIDE x 3" HIGH DELAMINATION AT GIRDER 9 NEAR BOTTOM FLANGE IN BACKWALL UNDER BAY 9	3	2	2 Feet
215	Delamination/Spall	3" WIDE x 3" HIGH DELAMINATION NEAR GIRDER 8 NEAR BOTTOM FLANGE IN BACKWALL UNDER BAY 8 WITH 1/16" CRACK GOING THROUGH	3	1	1 Feet
215	Delamination/Spall	8" WIDE x 2" HIGH x 1" DEEP SPALL NEAR BOTTOM FLANGE OF GIRDER 8 IN BACKWALL UNDER BAY 8, NO EXPOSED REBAR	3	1	1 Feet
215	Cracking (RC and Other)	2 - 1 FT DIAGONAL CRACKS NEAR GIRDER 1 WITH EFFLORESCENCE IN BACKWALL IN BAY 1	2	2	Feet
215	Cracking (RC and Other)	VERTICAL FULL HEIGHT HAIRLINE CRACK IN BACKWALL IN BAY 9	2	1	Feet
215	Delamination/Spall	1 FT DIAMETER DELAMINATION NEAR CAP STEP IN BACKWALL UNDER BAY 8	2	1	1 Feet
215	Delamination/Spall	6" WIDE x 3" HIGH DELAMINATION AT GIRDER 6 NEAR BOTTOM FLANGE IN BACKWALL UNDER BAY 6	2	1	Feet
215	Delamination/Spall	SPALL 4 FT WIDE X 6" HIGH X 1" DEEP WITH REBAR EXPOSED, NO MEASURABLE SECTION LOSS AND 12" X 12" SOUND PATCH AT BAY 6.	2	4	4 Feet

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	1,110	1,110	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	1,110	1,110	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	4049
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	52
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	52
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	52
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	52
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	52
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	52
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	52
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	52
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	52
Span 1	Beam 10	Plate Girder	Steel Open Girder/Beam	52
Span 1	Left Bridge Rail	Steel Rail	Metal Bridge Railing	54
Span 1	Right Bridge Rail	Steel Rail	Metal Bridge Railing	54
Span 1	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	54
Span 1	Expansion Joint	Compression Seal	Compression Joint Seal	79
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	4049
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	52
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	52
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	52
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	52
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	52
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	52
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	52
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	52
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	52

Elements Verified

Location	Name	Component	Element Name	Amount
Span 2	Beam 10	Plate Girder	Steel Open Girder/Beam	52
Span 2	Left Bridge Rail	Steel Rail	Metal Bridge Railing	54
Span 2	Right Bridge Rail	Steel Rail	Metal Bridge Railing	54
Span 2	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	54
Span 2	Expansion Joint	Compression Seal	Compression Joint Seal	79
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	4395
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	56
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	56
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	56
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	56
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	56
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	56
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	56
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	56
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	56
Span 3	Beam 10	Plate Girder	Steel Open Girder/Beam	56
Span 3	Left Bridge Rail	Steel Rail	Metal Bridge Railing	58
Span 3	Right Bridge Rail	Steel Rail	Metal Bridge Railing	58
Span 3	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	58
Span 3	Expansion Joint	Compression Seal	Compression Joint Seal	79
Span 3	Expansion Joint	Compression Seal	Compression Joint Seal	79
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1

Elements Verified

Location	Name	Component	Element Name	Amount
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	85
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 5	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	91
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	100
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	85
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	89
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	100

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 430124

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

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C		0	3352
Scour	G, F, P, or C			
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation				
Drift	G, F, P, or C		0	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	8		
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	16
Traffic Control Time	Hours	0
Snooper Time	Hours	0
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 430124

Inspection Date: 02/18/2019

Item	Deck - Item 58	Grade	5	Maint Code		Qty.	0
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Details CRACKING AND SPALLING THROUGHOUT DECK

Item	Substructure - Item 60	Grade	5	Maint Code		Qty.	0
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Details SECTION LOSS, CRAKING, DELAMINATIONS AND SPALLING THROUGHOUT SUBSTRUCTURE

Item	Priority Maintenance Issued	Grade	Y	Maint Code		Qty.	0
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Details BENT 2 CAP 1: LOSS IN BEARING AREA UNDER GIRDER 9 IN TOP OF SOUTH FACE OF CAP, 75% BEARING AREA REMAINING, PRIORITY MAINTENANCE ISSUED. 3 FT x 20" x 5.5" DEEP SPALL WITH EXPOSED REBAR, NO MEASURABLE SECTION LOSS ON REBAR.

SPAN 2 BEAM 1: BOTTOM FLANGE HAS MISSING SECTION OUT OF BOTTOM FLANGE OVER NORTHBOUND LANES FOR 15" LONG X 2" WIDE FOR FULL FLANGE DEPTH. (PRIORITY MAINTENANCE)

SPAN 2 BEAM 3: BOTTOM FLANGE OVER SOUTHBOUND LANES HAS MISSING SECTION FOR 6" LONG X UP TO 1" WIDE FOR FULL DEPTH OF BOTTOM FLANGE (PRIORITY MAINTENANCE)

SPAN 2 DECK: 1 FT X 18" DELAMINATION IN UNDERSIDE OF NORTH OVERHANG OVER NORTHBOUND TRAVEL LANES (PRIORITY MAINTENANCE)

SPAN 2 DECK: 3 FT X 1 FT DELAMINATION IN UNDERSIDE OF DECK IN BAY 9 AT GIRDER 10 ABOVE TRAVEL LANES (PRIORITY MAINTENANCE)



Span 2 Deck: 3 FT X 1 FT DELAMINATION IN UNDERSIDE OF DECK IN BAY 9 AT GIRDER 10 ABOVE TRAVEL LANES (PRIORITY MAINTENANCE)



Span 2 Beam 1: BOTTOM FLANGE HAS MISSING SECTION OUT OF BOTTOM FLANGE OVER NORTHBOUND LANES FOR 15" LONG X 2" WIDE FOR FULL FLANGE DEPTH. (PRIORITY MAINTENANCE)



Span 2 Beam 1: BOTTOM FLANGE HAS MISSING SECTION OUT OF BOTTOM FLANGE OVER NORTHBOUND LANES FOR 15" LONG X 2" WIDE FOR FULL FLANGE DEPTH. (PRIORITY MAINTENANCE)



Span 2 Beam 3: BOTTOM FLANGE OVER SOUTHBOUND LANES HAS MISSING SECTION FOR 6" LONG X UP TO 1" WIDE FOR FULL DEPTH OF BOTTOM FLANGE (PRIORITY MAINTENANCE)



Span 2 Beam 3: BOTTOM FLANGE OVER SOUTHBOUND LANES HAS MISSING SECTION FOR 6" LONG X UP TO 1" WIDE FOR FULL DEPTH OF BOTTOM FLANGE (PRIORITY MAINTENANCE)



Span 2 Deck: SPALL IN UNDERSIDE OF DECK, 2 FT X 1 FT X 2-1/2" DEEP AT BAY 1, 12' FROM BENT 1 END.



Span 2 Deck: 1 FT X 18" DELAMINATION IN UNDERSIDE OF NORTH OVERHAND OVER NORTHBOUND TRAVEL LANES (PRIORITY MAINTENANCE)



Span 1 Median Rail: HAIRLINE MAP CRACKING IN LOWER 2 FT OF MEDIAN RAIL WITH VERTICAL CRACKS UP TO FULL HEIGHT OF BARRIER, SCATTERED THROUGHOUT NORTH AND SOUTH FACE OF BARRIER FOR FULL LENGTH OF SPAN.



Span 1 Right Bridge Rail: (4) TRANSVERSE WRAPAROUND CRACKS UP TO FULL HEIGHT OF RAIL, UP TO 1/16", SCATTERED THROUGHOUT LENGHT OF SPAN.



Span 2 Left Bridge Rail: FOURTH POST IN SPAN HAS LOOSE ATTACHMENT FROM GUARDRAIL TO TUBE



Span 2 Left Bridge Rail: FOURTH POST IN SPAN HAS LOOSE ATTACHMENT FROM GUARDRAIL TO TUBE



Span 2 Left Bridge Rail: 10 FT OF IMPACT SCRAPE MARKS AT BENT 2.



End Bent 1 Expansion Joint : 6 FT OF DEBRIS IMPACTION IN RIGHT SHOULDER OF EASTBOUND LANES, JOINT MOVEMENT UNAFFECTED.



End Bent 1 Expansion Joint : SPALLED/DEPRESSED HEADER IN RIGHT LANE OF EASTBOUND LANES, 3 FT X 6" X 2" DEEP, NO EXPOSED REINFORCEMENT.



End Bent 1 Expansion Joint : SOUND PATCHES TO HEADER SCATTERED ALONG JOINT IN EASTBOUND LANES.



End Bent 1 Expansion Joint : 18 FT OF SOUND PATCHES TO CONCRETE HEADER IN WESTBUOND TRAVEL LANES.



End Bent 1 Expansion Joint : 4" X 1" TEAR IN JOINT MATERIAL IN WESTBOUND LANES AT RIGHT SHOULDER.



Bent 2 Expansion Joint : CRACKS IN JOINT SEAL AT RIGHT SHOULDER OF WESTBOUND TRAVEL LANES.



Bent 2 Expansion Joint : (2) 1 FT LONG AREAS OF ADHESION LOSS, LESS THAN 50%, NEAR RIGHT SHOULDER LINE OF WESTBOUND LANES.



End Bent 2 Expansion Joint : 10 FT OF SOUND PATCHES IN ADJACENT CONCRETE HEADER IN WESTBOUND TRAVEL LANES.



Span 1 Deck: DIAGONAL CRACKING UP TO 10 FT LONG, 1/16" WIDE, IN TOP OF DECK AT NORTHWEST CORNER NEAR END BENT 1.



Span 1 Deck: SCATTERED TRANSVERSE CRACKS UP TO 1/16" WIDE, SCATTERED THROUGHOUT EASTBOUND AND WESTBOUND LANES.



Span 1 Deck: PATCHED AREA 2' X 2' IN RIGHT EAST BOUND LANE AT BENT 1 END.



Span 1 Deck: PATCHED AREA 4' WIDE X 2' LONG IN LEFT WEST BOUND LANE 16' FROM END BENT 1 END.



Span 1 Deck: SCATTERED TRANSVERSE CRACKS UP TO 1/16" WIDE, SCATTERED THROUGHOUT EASTBOUND AND WESTBOUND LANES.



Span 2 Deck: TOP OF DECK, SCATTERED DIAGONAL AND TRANSVERSE CRACKS UP TO 1/32" WIDE, UP TO FULL WIDTH OF LANES, SPACED AT APPROXIMATELY 3 TO 6 FT CENTERS THROUGHOUT FULL LENGTH OF SPAN.



Span 2 Deck: PATCHED AREA 4' WIDE X 7' LONG IN RIGHT EAST BOUND LANE AT BENT 1 END.



Span 2 Deck: SURFACE ABRASION UP TO 1/4" DEEP IN SOUND ASPHALT PATCH, 15 FT FROM BENT 1 JOINT IN EASTBOUND TRAVEL LANES, AGGREGATE SECURE.



DEBRIS UP TO 3 FT WIDE ALONG LEFT BRIDGE RAIL IN WESTBOUND LANES THROUGHOUT SPAN.



DEBRIS SCATTERED ALONG MEDIAN BARRER THROUGHOUT SPAN IN EASTBOUND LANES, UP TO 4" DEEP.



Span 1 Beam 1 Near Bearing: BEARING HAS BEEN CLEANED AND PAINTED, PREVIOUS SECTION LOSS ARRESTED. SURFACE RUST ON BEARING.



End Bent 1 Cap 1: 6" X 18" X 6" DELAMINATION IN TOP AND FRONT FACE OF CAP AT STEP BELOW BAY 1.



End Bent 1 Cap 1: 3 FT LONG HORIZONTAL HAIRLINE CRACK WITH RUST STAINING IN FRONT FACE OF CAP BELOW BAY 2.



End Bent 1 Abutment/Backwall : FULL HEIGHT VERTICAL CRACK UP TO 1/16" WIDE IN BACKWALL OF BAY 2 AT GIRDER 3.



End Bent 1 Abutment/Backwall : FULL HEIGHT VERTICAL HAIRLINE CRACK WITH EFFLORESCENCE IN BACKWALL OF BAY 3.



End Bent 1 Abutment/Backwall : 1 FT HAIRLINE DIAGONAL CRACK IN BACKWALL AT GIRDER 4 BOTTOM FLANGE.



End Bent 1 Abutment/Backwall : 2" X 2" DELAMINATION IN BACKWALL AT GIRDER 5 BOTTOM FLANGE IN BAY 4.



End Bent 1 Abutment/Backwall : 15" DIAGONAL HAIRLINE CRACK IN BACKWALL AT BOTTOM FLANGE OF GIRDER 6 IN BAY 5. SIMILAR IN BAY 6 AT GIRDER 7, BAY 8 AT GIRDER 9, BAY 9 AT GIRDER 10.



End Bent 1 Cap 1: 6" X FULL HEIGHT DELAMINATION IN FRONT FACE OF CAP, EXTENDING 4" INTO TOP OF CAP BELOW BAY 5.



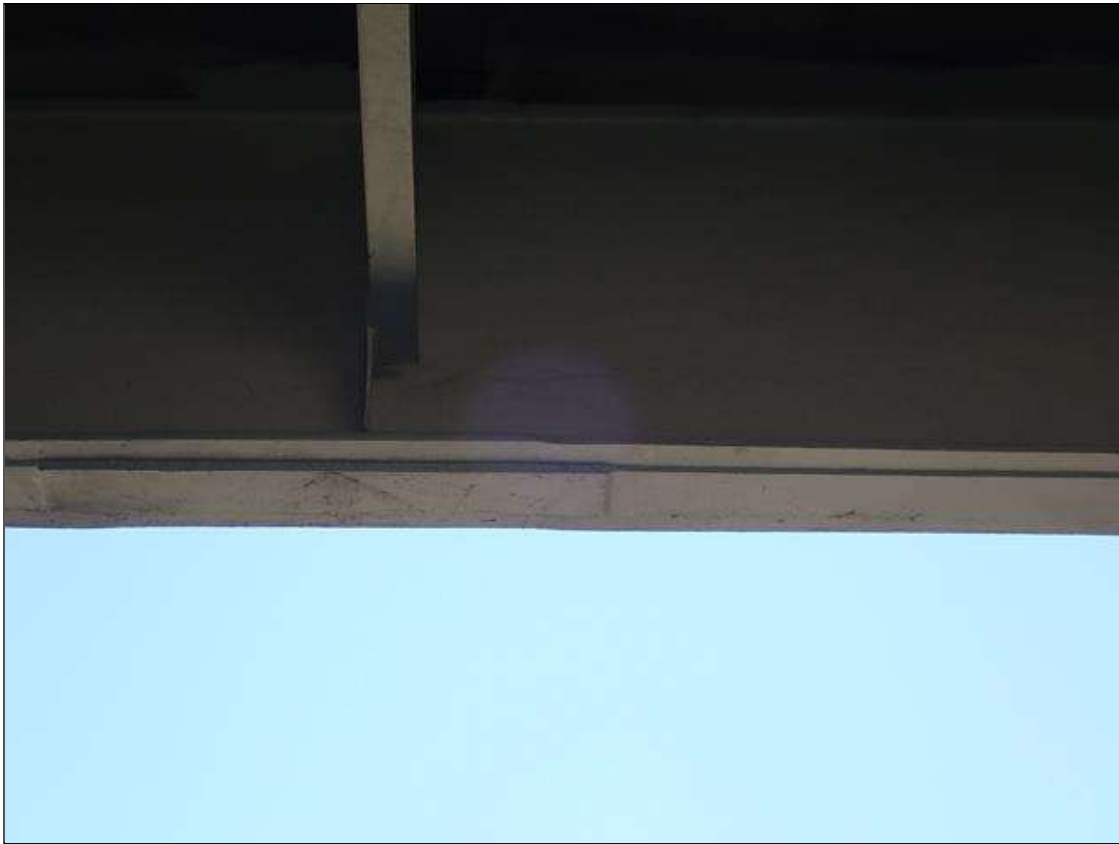
End Bent 1 Cap 1: FULL WIDTH DELAMINATION IN TOP OF CAP BELOW BAY 6, BAY 7, BAY 8, EXTENDING 4" INTO FRONT OF CAP.



Span 1 Beam 1: TOP FLANGE (EXTERIOR) HAS PITTING UP TO .06" DEEP, HOWEVER BEAM HAS BEEN RECENTLY CLEANED AND PAINTED WITH CORROSION ARRESTED.



Span 2 Beam 1: 5 FT REPAIR TO COVER PLATE ON BOTTOM FLANGE AT DIAPHRAGM 1



Span 2 Beam 1: 1 FT OF DISTORTION TO THE BOTTOM FLANGE WITH UP TO 1/4" DEFLECTION NEAR DIAPHRAGM 1



Span 1 Deck: 3 DIAGONAL HAIRLINE CRACKS UP TO 4 FT LONG WITH EFFLORESCENCE IN THE UNDERSIDE OF DECK IN BAY 1 NEAR GIRDER 2 AT END BENT 1



Span 1 Deck: DECK UNDERSIDE, MAP CRACKING .03" OPEN WITH EFFLORESCENCE AT BAY 2. SIMILAR IN BAY 3.



Span 1 Deck: 2.5 FT X 1 FT X 1" DEEP DELAMINATION/SPALL WITH EXPOSED REBAR NO MEASUREABLE SECTION LOSS, IN THE UNDERSIDE OF DECK IN BAY 4 NEAR DIAPHRAGM 1



Span 1 Deck: 2 FULL WIDTH TRANSVERSE CRACKS UP TO 1/16" IN UNDERSIDE OF DECK NEAR MIDSPAN



Span 1 Deck: 2 FT X 1 FT DELAMINATION IN UNDERSIDE OF DECK IN BAY 4 NEAR DIAPHRAGM 2



Span 1 Deck: DECK UNDERSIDE, MAP CRACKING UP TO .03" OPEN WITH EFFLORESCENCE AT BAY 8 NEAR END BENT 1. SIMILAR IN BAY 6 AND 7



Span 1 Deck: 3 FT X 2 FT AREA OF DELAMINATION IN UNDERSIDE OF DECK IN BAY 8 NEAR DIAPHRAGM 1



Span 1 Deck: PATCHED AREAS: 4 AT 12" DIAMETER, 12" WIDE X 6' LONG AND 12" DIAMETER AT BAY 9 ALONG BEAM 9.



Span 1 Deck: 6 FT X 2 FT PATCH, SOUND, IN UNDERSIDE OF RIGHT OVERHANG NEAR END BENT 1



Span 2 Deck: SPALL 12" X 12" X 2" DEEP IN LEFT OVERHANG 12' FROM BENT 1 END.



Span 2 Deck: 1 FT X 18" DELAMINATION IN UNDERSIDE OF NORTH OVERHANG OVER NORTHBOUND TRAVEL LANES (PRIORITY MAINTENANCE)



Span 2 Deck: 2 PATCHES UP TO 16" X 10" IN UNDERSIDE OF DECK IN BAY 1 NEAR BENT 1



Span 2 Deck: 8 PATCHES UP TO 2" X 1" SOUND, IN UNDERSIDE OF DECK SCATTERED THROUGHOUT BAY 7, 8, 9, AND 6



Span 2 Deck: FULL WIDTH TRANSVERSE CRACK UP TO 1/16" IN THE UNDERSIDE OF DECK, BAY 9, NEAR BENT 1



Span 3 Deck: PATCHED AREAS: (3) 10" X 10", 10" WIDE X 14" LONG AND 8" DIAMETER IN BAY 9 NEAR END BENT 2 END.



Span 3 Deck: SPALL 1 FT LONG X 4 FT WIDE X 3" DEEP WITH 2 REBARS EXPOSED AND 12" X 12" PATCH AT BAY 6, NO MEASURABLE SECTION LOSS



Span 3 Deck: 7 FULL WIDTH HAIRLINE TRANSVERSE CRACKS SCATTERED IN BAY 8 WITH EFFLORESCENCE IN UNDERSIDE OF DECK AND 5 SOUTH FACE SOUND PATCHES.



Span 3 Deck: SCATTERED DELAMINATIONS UP TO 6" DIAMETER SPACED AT 4 FT CENTER IN NORTH OVERHANG IN UNDERSIDE OF DECK.



Span 3 Deck: 2 - 6" DIAMETER x 1" DEEP SPALLS WITH EXPOSED REBAR IN NORTH OVERHANG IN UNDERSIDE OF DECK, NO MEASURABLE SECTION LOSS.



Span 3 Deck: 10 FT LONG x 3 FT WIDE DELAMINATION IN UNDERSIDE OF DECK IN BAY 4 AT 4 FT FROM END BENT 2 ADJACENT TO GIRDER 5.



End Bent 2 Abutment/Backwall : 6" WIDE x 3" HIGH DELAMINATION AT GIRDER 6 NEAR BOTTOM FLANGE IN BACKWALL UNDER BAY 6



End Bent 2 Abutment/Backwall : 8" WIDE x 2" HIGH x 1" DEEP SPALL NEAR BOTTOM FLANGE OF GIRDER 8 IN BACKWALL UNDER BAY 8



End Bent 2 Abutment/Backwall : 2 DIAGONAL CRACKS NEAR GIRDER 1 WITH EFFLORESCENCE IN BACKWALL IN BAY 1



End Bent 2 Cap 1: 9 FT x FULL HEIGHT OF CAP DELAMINATION UNDER BAY 2 WITH HORIZONTAL CRACK GOING THROUGH



End Bent 2 Cap 1: SCATTERED CRACK REPAIRS THROUGHOUT END BENT CAP



End Bent 2 Cap 1: 13 FT x FULL HEIGHT OF CAP DELAMINATION IN CAP VERTICAL FACE FROM HALF OF BAY 7 TO FULL LENGTH OF BAY 8 WITH 1/4" WIDE CRACK GOING THROUGH



RESTING WATER ON CAP OUTSIDE GIRDER 1 AT END BENT 2



Bent 1 Pile 1: 4 FT HORIZONTAL HAIRLINE CRACKS IN NORTH FACE OF COLUMN NEAR TOP OF CAP



Bent 1 Pile 1: 8 FT x 2 FT WIDE SOUND PATCH IN WEST FACE OF COLUMN



Bent 1 Pile 1: 8 FT x 2 FT WIDE SOUND PATCH IN EAST FACE OF COLUMN



Bent 1 Pile 2: PATCHED AREA 6" WIDE x 1 FT WIDE X 5' HIGH IN NORTHEAST CORNER WITH 5 - 2 FT HIGH VERTICAL HAIRLINE CRACKS 6" TO 1' APART.



Bent 1 Pile 3: PATCHWORK 1 FT WIDE x 1 FT WIDE x 1 FT HIGH ON SOUTHEAST FACE, SIMILAR ON NORTHEAST FACE



Bent 1 Pile 4: PATCHWORK 4 FT HIGH x FULL WIDTH OF COLUMN ON SOUTHWEST FACE NEAR BOTTOM OF CAP



Bent 1 Pile 5: 18" DIAMETER x 1.5" DEEP SPALL WITH EXPOSED REBAR IN NORTH BOTTOM FACE, NO MEASURABLE SECTION LOSS



SOUTH FACE OF COLUMN 5 AT BENT 1, VEGETATION OVERGROW



Bent 2 Cap 1: 32" x 18" DELAMINATION UNDER GIRDER 9 IN EAST FACE OF CAP



Bent 2 Cap 1: 42" x 6" x 4" DELAMINATION IN BOTTOM CORNER OF EAST FACE OF CAP UNDER BAY 8



Bent 2 Cap 1: 38" LONG x 4" HIGH x 7" DELAMINATION IN BOTTOM CORNER OF EAST FACE OF CAP BELOW BAY 2



Bent 2 Cap 1: 44" x 15" x 5" DELAMINATION IN TOP CORNER OF EAST FACE OF CAP BELOW GIRDER 1



Span 3 Beam 1 Far Bearing: PACK RUST COMING THROUGH COATING



Span 3 Beam 3 Far Bearing: LEFT ANCHOR BOLT NUT HAS SECTION LOSS BUT STILL SECURE AND IN PLACE, PAINTED OVER



Span 3 Deck: 8 FT x 11" x 4" SPALL IN UNDERSIDE OF DECK WITH EXPOSED REBAR UP TO 10% SECTION LOSS IN BAY 8 AT BENT 2, IN SPAN 2 AND 3



Bent 2 Cap 1: LOSS IN BEARING AREA UNDER GIRDER 2 IN TOP OF WEST FACE OF CAP, 75% BEARING AREA REMAINING, PRIORITY MAINTENANCE ISSUED. 3 FT x 20" x 5.5" DEEP SPALL WITH EXPOSED REBAR, NO MEASURABLE SECTION LOSS ON REBAR.



Bent 2 Cap 1: 3 FT x FULL HEIGHT HAIRLINE MAP CRACKING IN WEST FACE OF CAP AT BENT 2 UNDER BAY 1



Span 2 Beam 5: 2 FT x FULL FLANGE WIDTH SURFACE CORROSION IN BOTTOM FLANGE OF GIRDER 5 AT BENT 2, NO MEASURABLE SECTION LOSS



EASTBOUND LANES LOOKING EAST.



EASTBOUND LANES LOOKING WEST.



WEARING SURFACE, TYPICAL.



LOOKING SOUTH.



JOINT AT BENT 1, TYPICAL.



WEST APPROACH LOOKING WEST, EASTBOUND LANES.



GUARDRAIL POST SPACING, SOUTHWEST CORNER. TYPICAL.



EASTBOUND LANES, WEST APPROACH LOOKING EAST.



RIGHT BRIDGE RAIL.



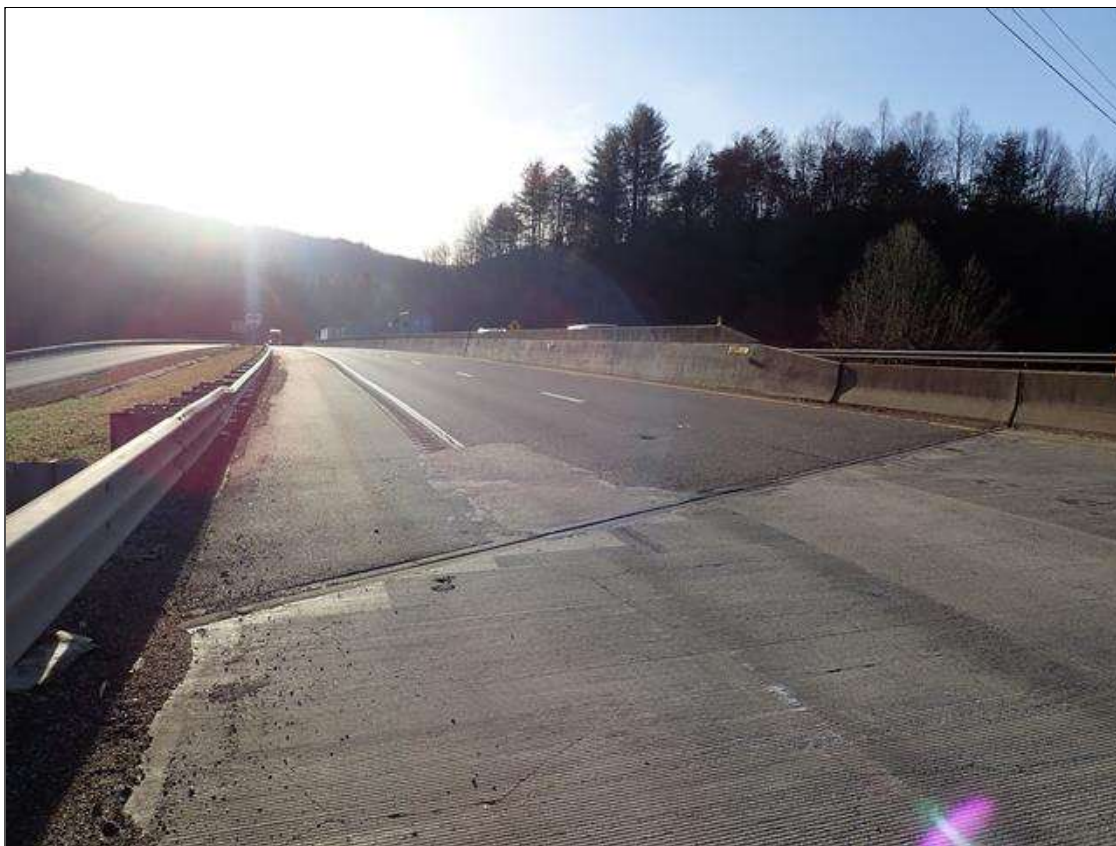
JOINT AT END BENT 1, END BENT 2 SIMILAR.



MEDIAN BARRIER.



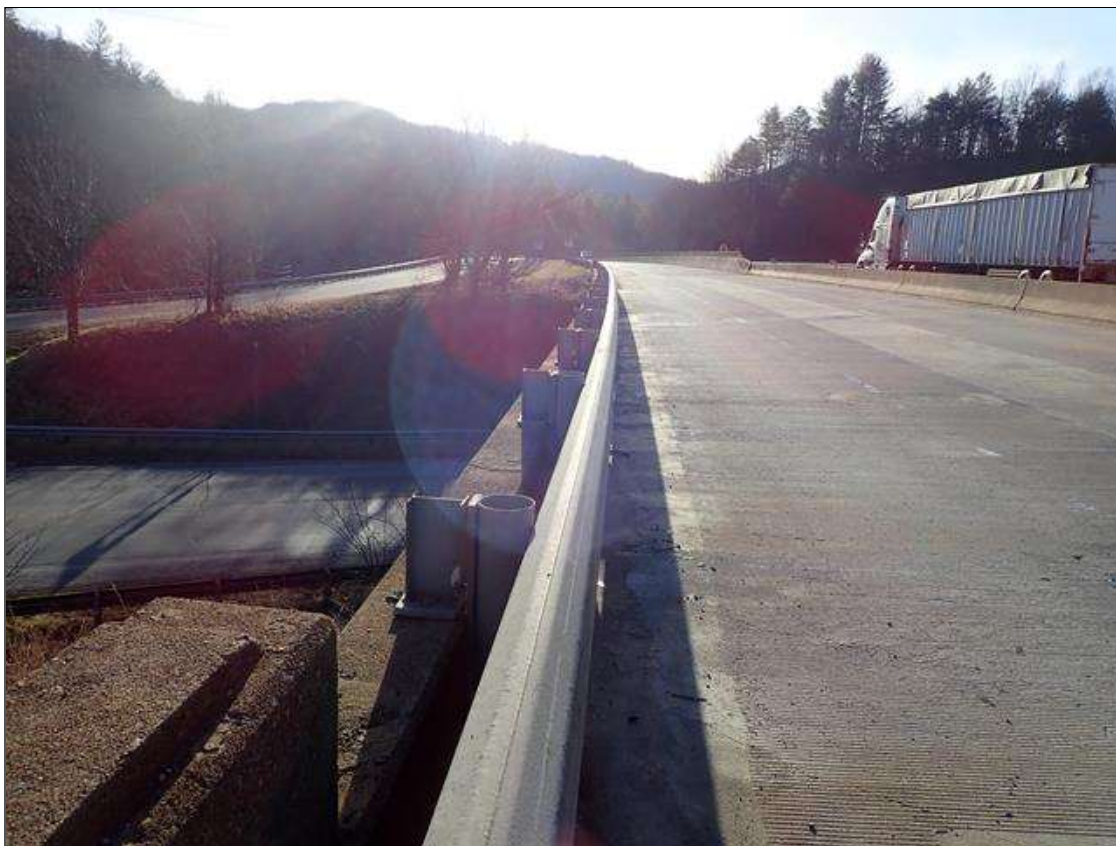
GUARDRAIL TRANSITION, NORTHEAST CORNER.



WESTBOUND LANES, EAST APPROACH LOOKING EAST.



WESTBOUND LANES, WEST APPROACH LOOKING WEST.



LEFT BRIDGE RAIL.



GUARDRAIL TERMINATION AT NORTHWEST CORNER, SOUTHEAST SIMILAR.



LOOKING NORTH.



SOUTH PROFILE.



SUPERSTRUCTURE UNDERSIDE, SPAN 2. TYPICAL.



BENT 1, TYPICAL.



END BENT 1, END BENT 2 SIMILAR.



NORTH PROFILE.



BENT 1, END OF CAP. TYPICAL.



NORTHWEST WINGWALL, TYPICAL.



INTERMEDIATE DIAPHRAGM, SPAN 1. TYPICAL.



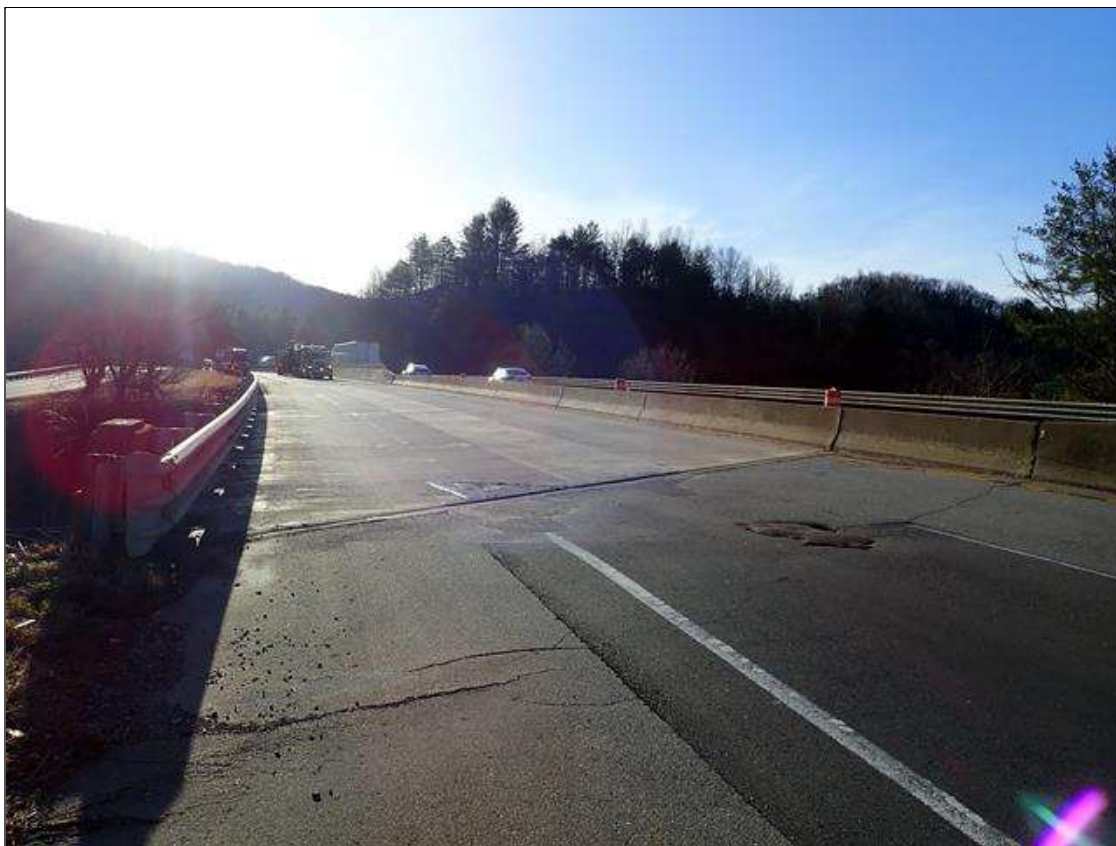
GIRDER 3 BEARING AT END BENT 1. TYPICAL END BENT BEARING.



BENT 2, TYPICAL



TYPICAL BENT BEARING, BEARING 10 AT BENT 2



LOOKING EAST



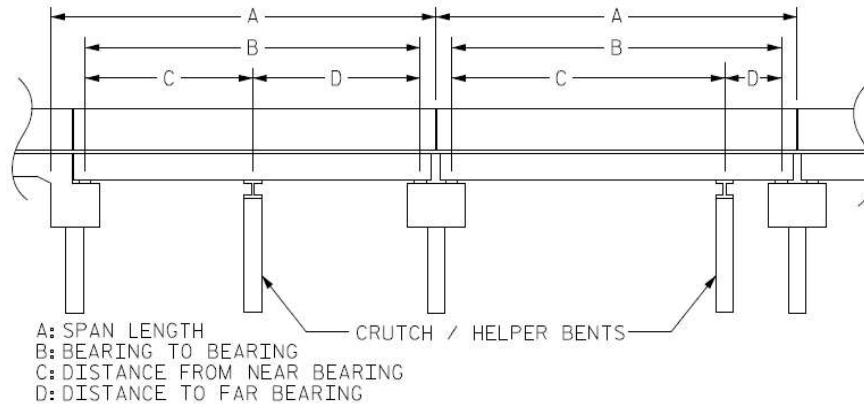
LOOKING WEST

Structure Data Worksheet

Span Profile

County: **HAYWOOD**

Structure Number: **430124**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	53.167	51.167			
2	53.167	51.750			
3	57.708	55.750			

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

Run Date: 04/22/2019

IDENTIFICATION			
(1) STATE NAME -NORTH CAROLINA	BRIDGE	430124	SUFFICIENCY RATING = 80
(8) STRUCTURE NUMBER(FEDERAL)	00000000870124		STATUS = Not Deficient
(5) INVENTORY ROUTE (ON/UNDER) - ON	11000400		
(2) STATE HIGHWAY DEPARTMENT DISTRICT	2		
(3) COUNTY CODE 87 (4) PLACE CODE	0		
(6) FEATURE INTERSECTED - SR1338			
(7) FACILITY CARRIED I-40			
(9) LOCATION 5 MI.W.JCT.US276			
(11)MILEPOINT	14.9		
(16)LAT 35° 40' 3.95" (17)LONG 82° 59' 40.30"			
(98)BORDER BRIDGE STATE CODE	PCT SHARE		
(99)BORDER BRIDGE STRUCTURE NO			

STRUCTURE TYPE AND MATERIAL			
(43) STRUCTURE TYPE MAIN: Steel			
TYPE - Stringer Mutlibeam or Girder	CODE	302	
(44) STRUCTURE TYPE APPR :			
TYPE -	CODE	000	
(45) NUMBER OF SPANS IN MAIN UNIT		3	
(46) NUMBER OF APPROACH SPANS			
(107)DECK STRUCTURE TYPE - 1	CODE		
(108)WEARING SURFACE / PROTECTIVE SYSTEM :			
(A) TYPE OF WEARING SURFACE - Latex Concrete	CODE	3	
(B) TYPE OF MEMBRANE - None	CODE	0	
(C) TYPE OF DECK PROTECTION - None	CODE	0	

AGE AND SERVICE			
(27) YEAR BUILT		1966	
(106)YEAR RECONSTRUCTED		2012	
(42) TYPE OF SERVICE : ON - Overpass - Interchange			
UNDER - Highway	CODE	61	
(28) LANES: ON STRUCTURE 4 UNDER STRUCTURE		2	
(29) AVERAGE DAILY TRAFFIC		27000	
(30) YEAR OF ADT 2017 (109) TRUCK ADT PCT		23%	
(19) BYPASS OR DETOUR LENGTH		0 MI	

GEOMETRIC DATA			
(48) LENGTH OF MAXIMUM SPAN		56 FT	
(49) STRUCTURE LENGTH		164 FT	
(50)CURB OR SIDEWALK: LEFT 0 FT RIGHT		0 FT	
(51) BRIDGE ROADWAY WIDTH CURB TO CURB		69.917 FT	
(52) DECK WIDTH OUT TO OUT		76.146 FT	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)		72 FT	
(33) BRIDGE MEDIAN - Closed Median w/Barrier	CODE	3	
(34) SKEW 27° (35) STRUCTURE FLARED		0	
(10) INVENTORY ROUTE MIN VERT CLEAR		999.9 FT	
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR		35.167 FT	
(53) MIN VERT CLEAR OVER BRIDGE RDWY		999.9 FT	
(54) MIN VERT UNDERCLEAR REF Highway		15.083 FT	
(55) MIN LAT UNDERCLEAR RT REF Highway		8.2 FT	
(56) MIN LAT UNDERCLEAR LT REF -		0 FT	

NAVIGATION DATA			
(38) NAVIGATION CONTROL - Not Applicable	CODE	N	
(111)PIER PROTECTION -	CODE		
(39) NAVIGATION VERTICAL CLEARANCE		0	
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR		FT	
(40) NAVIGATION HORIZONTAL CLEARANCE		0 FT	

CLASSIFICATION			
(112)NBIS BRIDGE SYSTEM -			YES
(104)HIGHWAY SYSTEM Is on the NHS			1
(26) FUNCTIONAL CLASS - Arterial - Interstate			01
(100)STRAHNET HIGHWAY - Interstate STRAHNET Route			1
(101)PARALLEL STRUCTURE - No Parallel Structure			N
(102)DIRECTION OF TRAFFIC - 2-way Traffic			2
(103)TEMPORARY STRUCTURE -			
(110)DESIGNATED NATIONAL NETWORK - On the National Network			1
(20) TOLL On Free Road			3
(31) MAINTAIN - State Highway Agency			01
(22) OWNER - State Highway Agency			01
(37) HISTORICAL SIGNIFICANCE - Not Eligible			5

CONDITION			
(58) DECK			5
(59) SUPERSTRUCTURE			6
(60) SUBSTRUCTURE			5
(61) CHANNEL & CHANNEL PROTECTION			N
(62) CULVERTS			N

LOAD RATING AND POSTING			
(31) DESIGN LOAD HS 20 + MOD			6
(63) OPERATING RATING METHOD - Load Factor			1
(64) OPERATING RATING - HS-39			71
(65) INVENTORY RATING METHOD - Load Factor			1
(66) INVENTORY RATING - HS-23			42
(70) BRIDGE POSTING - No Posting Required			5
(41) STRUCTURE OPEN, POSTED ,OR CLOSED DESCRIPTION - Open, No Restriction			A

APPRAISAL			
(67) STRUCTURAL EVALUATION			5
(68) DECK GEOMETRY			7
(69) UNDERCLEARANCES,VERTI & HORIZ			5
(71) WATERWAY ADEQUACY			N
(72) APPROACH ROADWAY ALIGNMENT			8
(36) TRAFFIC SAFETY FEATURES			1111
(113)SCOUR CRITICAL BRIDGES			N

PROPOSED IMPROVEMENTS			
(75) TYPE OF WORK -			CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT			
(94) BRIDGE IMPROVEMENT COST			
(95) ROADWAY IMPROVEMENT COST			
(96) TOTAL PROJECT COST			
(97) YEAR OF IMPROVEMENT COST ESTIMATE			
(114)FUTURE ADT 54000 (115) YEAR FUTURE ADT			2025

INSPECTIONS			
(90) INSPECTION DATE			02/18/2019
(92) CRITICAL FEATURE INSPECTION :			(93) CFI DATE
A) FRACTURE CRIT DETAIL - NO			A)
B) UNDERWATER INSP - NO			B)
C) OTHER SPECIAL INSP NO			C)
SCOUR			

Structure No: 430124

County: HAYWOOD

Run Date:

Span Number	Feature Intersected	Inventory Route	Minimum Maximum Vertical Clearance	Milepoint	Base Highway Network	LRS Inventory Route	Toll	Functional Classification	Nuner of Lanes	Average Daily Traffic	Year of Average Daily Traffic	Total Horizontal Clearance	See Note 1					STRAHNET Highway Designator	Direction of Traffic	Highway System of Route
													Reference Feature	Minimum Vertical Underclearance	Right Lateral Underclearance	Left Lateral Underclearance	Underclearance Appraisal Grade			
	6	5	10	11	12	13	20	26	28	29	30	47	54A	54	55	56	69	100	102	104
2	SR 1338	31013380	15.42	00				7	2	640	2017	39	H	15.08	8.2		9	0	2	0

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

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 04/22/2019

COUNTY : HAYWOOD DIVISION : 14 DISTRICT : 2 STRUCTURE NUMBER : 430124 LENGTH : 164 FEET

ROUTE CARRIED : I-40 FEATURE INTERSECTED : SR1338

LOCATED : 5 MI.W.JCT.US276 BRIDGE NAME : CITY :

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

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

REHAB : 2012 BY : DOH PROJ : 45438.3.13 ALIGNMENT : LT SKEW : 63 LANES : ON 4 UNDER 2

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

SUPERSTRUCTURE : REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE : E.BT1:RC CAP/H-PILES;ABUT.2:RC CAP/ROCK;INT.BTS:RCP&BEAM

SPANS : 2 @ 53'-2;1 @ 57'-8.5

BEAMS OR GIRDERS : 10 LINES 35" I-BEAMS @ VAR.CENTERS

FLOOR : 7.75 RC/NO AWS ENCROACHMENT : DECK (OUT TO OUT) : 76.146 FT

CLEAR ROADWAY : 69.917 FT BETWEEN RAILS : 71.917 FT SIDEWALK OR CURB : LT 0 FT RT 0 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-23 OPE.RTG. : HS-39 CONTR.MEMBER : ext bm POSTED : SV TTST DATE

SYSTEM : Primary Interstate GREEN LINE ROUTE : Y

UNDER ROUTES AND CLEARANCES

Span	Route Description	Vertical Clearances		Horizontal Clearances		
		MMVC	MVC	Total	Left	Right
2	SR 1338	15.4170	15.0830	39.0		8.20

Note: All measurements are in feet.

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430124

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
 3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 1: BOTTOM FLANGE HAS MISSING SECTION OVER NORTHBOUND LANES FOR 15" LONG X 2" WIDE FOR FULL FLANGE DEPTH. (PRIORITY MAINTENANCE)	
 3348	Maintain Concrete Substructure Components	LF	1	Bent 2 Cap 1: LOSS IN BEARING AREA UNDER GIRDER 9 IN TOP OF SOUTH FACE OF CAP, 75% BEARING AREA REMAINING, PRIORITY MAINTENANCE ISSUED. 3 FT x 20" x 5.5" DEEP SPALL WITH EXPOSED REBAR, NO MEASURABLE SECTION LOSS ON REBAR.	
3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 3: BOTTOM FLANGE OVER SOUTHBOUND LANES HAS MISSING SECTION FOR 6" LONG X UP TO 1" WIDE FOR FULL DEPTH OF BOTTOM FLANGE (PRIORITY MAINTENANCE)	
3326	Maintain Concrete Deck	SF	2	Span 2 Deck: 1 FT X 18" DELAMINATION IN UNDERSIDE OF NORTH OVERHANG OVER NORTHBOUND TRAVEL LANES (PRIORITY MAINTENANCE)	
3326	Maintain Concrete Deck	SF	3	Span 2 Deck: 3 FT X 1 FT DELAMINATION IN UNDERSIDE OF DECK IN BAY 9 AT GIRDER 10 ABOVE TRAVEL LANES (PRIORITY MAINTENANCE)	

Key



Priority Maintenance Item



Critical Finding Item



Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430124

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
02/15/2019	Joshua W Gentry	
Details		
Span 2 Beam 1: BOTTOM FLANGE HAS MISSING SECTION OVER NORTHBOUND LANES FOR 15" LONG X 2" WIDE FOR FULL FLANGE DEPTH. (PRIORITY MAINTENANCE)		

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	1 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 Cap 1: LOSS IN BEARING AREA UNDER GIRDER 9 IN TOP OF SOUTH FACE OF CAP, 75% BEARING AREA REMAINING, PRIORITY MAINTENANCE ISSUED. 3 FT x 20" x 5.5" DEEP SPALL WITH EXPOSED REBAR, NO MEASURABLE SECTION LOSS ON REBAR.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430124

County HAYWOOD

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
02/15/2019	Joshua W Gentry	
Details		
Span 2 Beam 3: BOTTOM FLANGE OVER SOUTHBOUND LANES HAS MISSING SECTION FOR 6" LONG X UP TO 1" WIDE FOR FULL DEPTH OF BOTTOM FLANGE (PRIORITY MAINTENANCE)		

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	2 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
02/15/2019	Joshua W Gentry	
Details		
Span 2 Deck: 1 FT X 18" DELAMINATION IN UNDERSIDE OF NORTH OVERHANG OVER NORTHBOUND TRAVEL LANES (PRIORITY MAINTENANCE)		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430124

County HAYWOOD

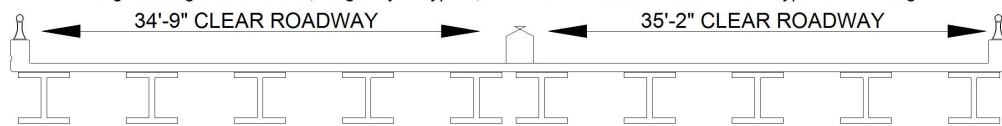
THE FOLLOWING MAINTENANCE ITEMS HAVE BEEN SUBMITTED IN CONJUNCTION WITH A PRIORITY MAINTENANCE REQUEST

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	3 SF
Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
02/15/2019	Joshua W Gentry	
Details		
Span 2 Deck: 3 FT X 1 FT DELAMINATION IN UNDERSIDE OF DECK IN BAY 9 AT GIRDER 10 ABOVE TRAVEL LANES (PRIORITY MAINTENANCE)		

Bridge Inspection Field Sketch

Deck Width/Out to Out	76.146ft	Between Rails	71.917ft
Clear Roadway	69.917ft	Wearing Surface	0ft
Median Width	2ft	Median Height	2.667ft
Curb Height		Left	0ft
Sidewalk Width		Right	0ft
Clear Roadway (Rail to Median)		Left	34.75ft
Guardrail Width		Right	35.167ft
Top of Rail to Deck/Wearing Surface		Left	2.667ft
Bridge Rail		Right	2.667ft
		Left	Type 8*
		Right	Type 8*

*Bridge Railing Not Identified, Originally a Type 8, Has Been Retrofitted With a Thrie Type Guardrailing

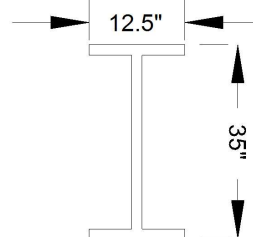


Measurements for Span #	1		
Deck Thickness	0.646	Left Overhang	2.573
Top of Rail to Bottom of Beam	6.31	Right Overhang	2.573

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	8.25ft	
2	Steel I Beam	8.25ft	
3	Steel I Beam	8.25ft	
4	Steel I Beam	8.25ft	
5	Steel I Beam	5ft	
6	Steel I Beam	8.25ft	
7	Steel I Beam	8.25ft	
8	Steel I Beam	8.25ft	
9	Steel I Beam	8.25ft	
10	Steel I Beam		

BEAMS

(NON-TAPERED FLANGES)
ALL BEAMS HAVE COVERPLATES



FLANGES = 3/4"
WEB = 3/4"

VERIFIED 2/18/19 BY JEK

Title

Typical Section

Description

Data Worksheet

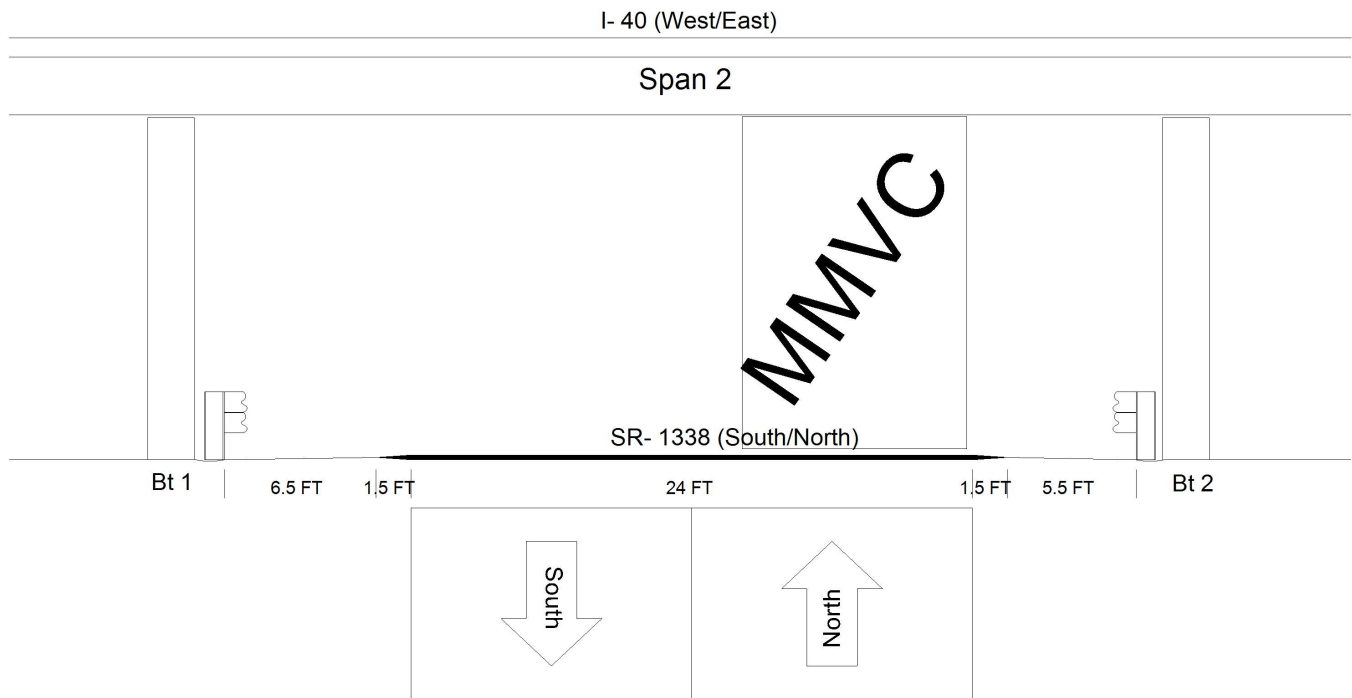
Bridge No: 430124

Drawn By: Roy W. Shook

Date: 08/21/2007

File Name: S0106000370

Bridge Inspection Field Sketch



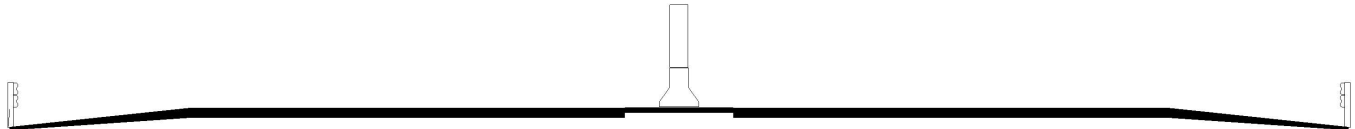
Roadway 1		Direction of Traffic	North South
Distance to Left Rail	8FT	Distance to Right Rail	7FT
Distance to Left Toe of Slope		Distance to Left Bent	9.2FT
Distance to Right Toe of Slope		Distance to Right Bent	8.2FT
MMVC	15.417 Ft at Beam 1, 10 FT from Right Edge of Roadway		
MVC	15.0833 FT AT BEAM 1 6FT FROM LEFT EDGE OF ROADWAY		

VERIFIED 2/18/19 BY JEK

05/19/15 - J.C.HUNTSINGER

Title		Description	
Underclearance		Data Worksheet	
Bridge No: 430124	Drawn By: Roy W. Shook	Date: 08/21/2007	File Name: S0106000371

Bridge Inspection Field Sketch



MEASUREMENTS TAKEN 25 FT FROM END BENT 1

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

VERIFIED 2/18/19 BY JEK

Title

Approach Roadway

Description

Data Worksheet

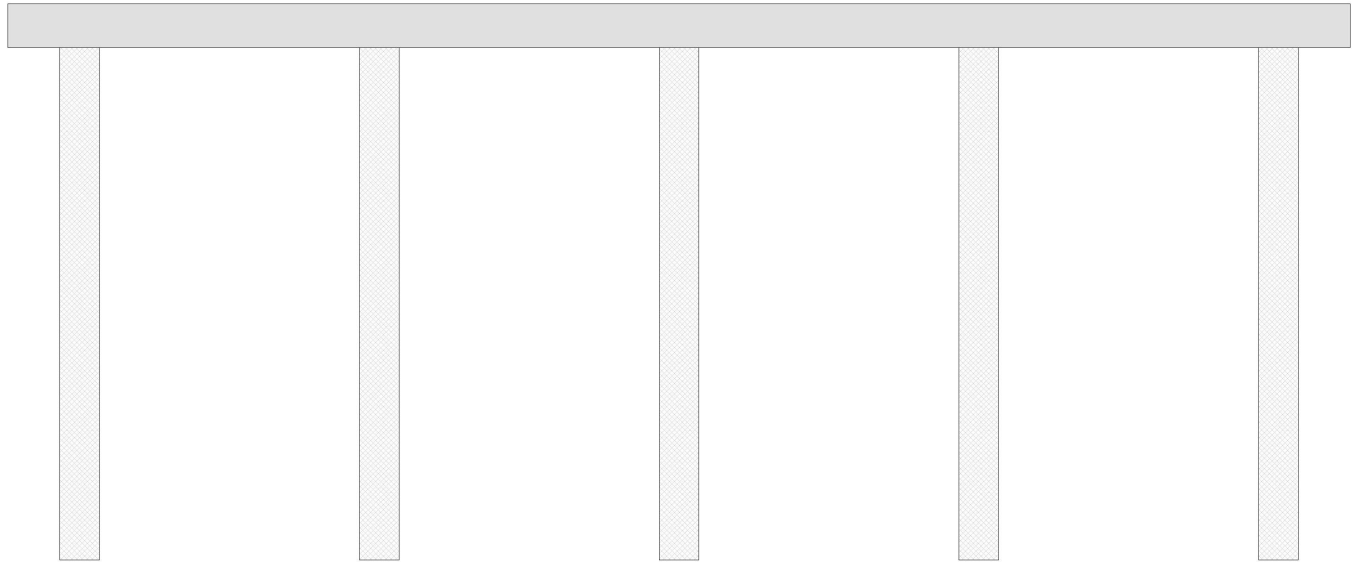
Bridge No: 430124

Drawn By: Roy W. Shook

Date: 08/21/2007

File Name: S0106000369

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.				
84.333 ft.	2.500 ft.	2.750 ft.	4.500 ft.	4.500 ft.	1.833 ft.	1.833 ft.				
Subcap Information			Material							
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.					
Sill Information			Material							
Length	Width	Height								
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	18.833 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
2	Concrete	18.833 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
3	Concrete	18.833 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
4	Concrete	18.833 ft.	2.5 ft.	2.5 ft.		Vertical	No	No	No	No
5	Concrete		2.5 ft.	2.5 ft.		Vertical	No	No	No	No

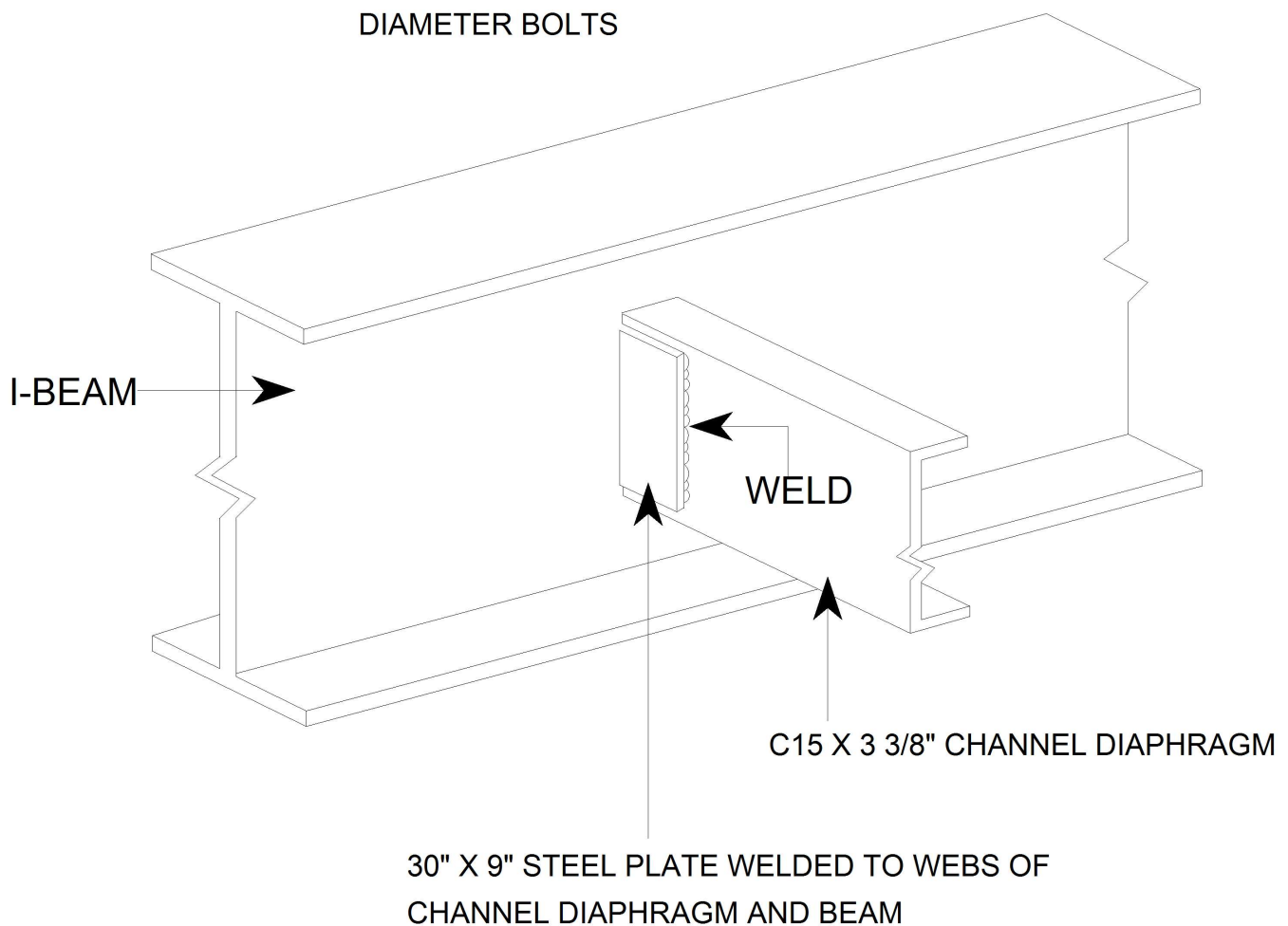
VERIFIED 2/18/19 BY JEK

Bent/Abutment #: 1		Similar Bents: 2	
Title INTERIOR BENTS		Description SUBSTRUCTURE DETAILS	
Bridge No: 430124	Drawn By: JOE C HUNTSINGER	Date: 5/15/2013	File Name: S0106001621

Bridge Inspection Field Sketch

DIAPHRAGM DETAILS

LOCATED AT THE 1/3 POINTS OF ALL SPANS



VERIFIED 2/18/19 BY JEK

Title

INTERMEDIATE DIAPHRAGMS

Description

SUPERSTRUCTURE DETAILS

Bridge No: 430124

Drawn By: JOE C HUNTSINGER

Date: 5/15/2013

File Name: S0106001622