



NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: **PRIORITY MAINTENANCE**

Structure Safety Report

Routine Element Inspection - Contract

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: 2 @ 53'-2;1 @ 57'-8.5
☐ FRACTURE CRITICAL ☐ TEMPORARY SHORING ☐ SCOUR CRITICAL ☐ SCOUR PLAN OF ACTION
PRESENT CONDITION: Fair INSPECTION DATE: 05/08/2017
POSTED SV: Not Posted POSTED TTST: Not Posted
OTHER SIGNS PRESENT: NONE



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 W-E
DIRECTION MATCHES PLANS

WEST APPROACH LOOKING EAST

INSPECTED BY H.W. HICKS, JR.	SIGNATURE 	ASSISTED BY T.L. GOINS
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Structure Element Scoring

Structure Number: 430124

Inspection Date 5/8/2017

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	7179	5311	3	0
107	0	Steel Open Girder/Beam	Beam	1600	1200	400	0	0
515	107	Steel Protective Coating	Beam	16100	16096	0	4	0
205	0	Reinforced Concrete Column	Piles and Columns	10	3	7	0	0
215	0	Reinforced Concrete Abutment	Abutments	200	199	1	0	0
225	0	Steel Pile	Piles and Columns	12	12	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	350	325	23	0	2
302	0	Compression Joint Seal	Expansion Joints	316	281	35	0	0
316	0	Other Bearings	Bearing Device	60	23	37	0	0
515	316	Steel Protective Coating	Bearing Device	60	47	0	13	0
321	0	Reinforced Concrete Approach Slabs	Approaches	2220	2220	0	0	0
330	0	Metal Bridge Railing	Bridge Rail	332	332	0	0	0
515	330	Steel Protective Coating	Bridge Rail	980	980	0	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	166	110	56	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: 05/08/2017

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	5165 Square Feet
3326	Reinforced Concrete Deck	Delamination/Spall	7 Square Feet
3348	Reinforced Concrete Column	Patched Area	1 Each
3350	Reinforced Concrete Abutment	Delamination/Spall	4 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	40 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	3 Feet
3334	Other Bearings	Connection	1 Each
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	15 Square Feet

Element Structure Maintenance Quantities

Structure Number: 430124

Inspection Date 05/08/2017

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	4	200	0	0	1	199
Approaches	3353	Maintenance of Concrete Bridge Approach Slabs	0	2220	0	0	0	2220
Beam	3314	Maintenance Steel Superstructure Components	0	1600	0	0	400	1200
Beam	3342	Clean and Paint Steel	4	16100	0	4	0	16096
Bearing Device	3334	Bridge Bearing	1	60	0	0	37	23
Bearing Device	3342	Clean and Paint Steel	11	60	0	13	0	47
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	0	166	0	0	56	110
Bridge Rail	3322	Maintenance of Steel Bridge Rail	0	332	0	0	0	332
Bridge Rail	3342	Clean and Paint Steel	0	980	0	0	0	980
Caps	3348	Maintenance of Concrete Substructure	43	350	2	0	23	325
Deck	3326	Maintenance of Concrete Deck	5172	12493	0	3	5311	7179
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	35	316	0	0	35	281
Piles and Columns	3348	Maintenance of Concrete Substructure	1	10	0	0	7	3
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: 05/08/2017

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	2,619	1,430	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	DIAGONAL CRACKING .03" OPEN AT NORTHWEST CORNER END BENT 1 END.	2	15	15	Square Feet
12	Cracking (RC and Other)	MAP CRACKING .03" OPEN WITH EFFLORESCENCE AT BAY 2. SIMILAR IN BAY 3.	2	160	160	Square Feet
12	Cracking (RC and Other)	MAP CRACKING UP TO .03" OPEN EAST BOUND LANE AT MID-SPAN AREA.	2	400	400	Square Feet
12	Cracking (RC and Other)	MAP CRACKING UP TO .03" OPEN WITH EFFLORESCENCE AT BAY 8 END BENT 1 END.	2	40	40	Square Feet
12	Cracking (RC and Other)	TRANSVERSE CRACKS .03" OPEN 3' TO 5' APART FULL WIDTH.	2	700	700	Square Feet
12	Cracking (RC and Other)	TRANSVERSE CRACK .05" OPEN, EAST BOUND LANE AND WEST BOUND LANE 6' FROM END BENT 1 END.	2	70	70	Square Feet
12	Patched Areas	PATCHED AREA 2' X 2' IN RIGHT EAST BOUND LANE AT BENT 1 END.	2	4		Square Feet
12	Patched Areas	PATCHED AREA 20" WIDE X 10" LONG RIGHT EAST BOUND LANE AT END BENT 1 END.	2	2		Square Feet
12	Patched Areas	PATCHED AREA 24" WIDE X 18" LONG LEFT WEST BOUND LANE AT BENT 1 END.	2	4		Square Feet
12	Patched Areas	PATCHED AREA 3' X 4' IN RIGHT EAST BOUND LANE 8' FROM BENT 1 END.	2	12		Square Feet
12	Patched Areas	PATCHED AREA 4' WIDE X 2' LONG IN LEFT WEST BOUND LANE 16' FROM END BENT 1 END.	2	8		Square Feet
12	Patched Areas	PATCHED AREAS: (2) 24" WIDE X 10" LONG IN RIGHT EAST BOUND LANE END BENT 1 END.	2	4		Square Feet
12	Patched Areas	PATCHED AREAS: 4 AT 12" DIAMETER, 12" WIDE X 6' LONG AND 12" DIAMETER AT BAY 9 ALONG BEAM 9.	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
515	Steel Protective Coating	519	519	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP 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 PITTING UP TO .06" DEEP, HOWEVER BEAM HAS BEEN RECENTLY CLEANED AND PAINTED WITH CORROSION ARRESTED.	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
515	Steel Protective Coating	519	519	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP 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
515	Steel Protective Coating	519	519	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP 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
515	Steel Protective Coating	519	519	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP 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
515	Steel Protective Coating	519	519	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 1 END, PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND	2	3		Feet

PAINTED WITH CORROSION ARRESTED.

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
515	Steel Protective Coating	519	519	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP 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
515	Steel Protective Coating	519	519	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP 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
515	Steel Protective Coating	519	519	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP 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
515	Steel Protective Coating	519	519	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP 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
515	Steel Protective Coating	519	519	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP AT BOTH ENDS PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3		Feet
107	Corrosion	TOP FLANGE (EXTERIOR) HAS PITTING UP TO .06" DEEP, HOWEVER BEAM HAS BEEN RECENTLY CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	49		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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 1 BEAM 1 NEAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	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
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: 430124Inspection Date: 05/08/2017

316	Corrosion	SPAN 1 BEAM 1 FAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT HAS FAILED WITH RUST BLEED COMING THRU.	3	1	1 Square 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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 1 BEAM 2 NEAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 1 BEAM 2 FAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED..	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	1	0	0	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments					
RECENTLY CLEANED AND PAINTED					

Span 1		Near Bearing				
Other Bearing						
Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	1	0	0	0 Each
515	Steel Protective Coating	1	1	0	0	0 Square Feet
Element Number	Defect Type	Defect Description		CS	CS Qty	Maint Qty
General Comments						
RECENTLY CLEANED AND PAINTED						

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
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 1 BEAM 5 FAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES WITH ACTIVE FRECKLE SURFACE RUST ON PLATE SURFACES.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH RUST BLEED THRU PAINT.	3	1	1	Square 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	1	0	0	0	Each
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
General Comments					
RECENTLY CLEANED AND PAINTED					

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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 1 BEAM 6 FAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 1 BEAM 7 NEAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 1 BEAM 7 FAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	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	1	0	0	0	Each
515	Steel Protective Coating	1	1	0	0	0	Square Feet

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

RECENTLY PAINTED

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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 1 BEAM 8 FAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED..	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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 1 BEAM 9 NEAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE	2	1		Each

SURFACES HAS BEEN CLEANED AND PAINTED WITH
CORROSION ARRESTED.

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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 1 BEAM 9 FAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 1 BEAM 10 NEAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 1 BEAM 10 FAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	1		Each

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	2,583	1,463	3	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
12	Delamination/Spall	SPALL 12" X 12" X 2" DEEP IN LEFT OVERHANG 12' FROM BENT 1 END.	3	1	1 Square Feet
12	Delamination/Spall	SPALL 18" WIDE X 12" LONG X 2-1/2" DEEP AT BAY 1, 12' FROM BENT 1 END.	3	2	2 Square Feet
12	Cracking (RC and Other)	DIAGONAL CRACKS .04" OPEN 4' TO 6' APART WEST BOUND LANE AT BENT 1 END.	2	40	40 Square Feet
12	Cracking (RC and Other)	MAP CRACKING UP TO .03" OPEN IN MID-SPAN AREA.	2	400	400 Square Feet
12	Cracking (RC and Other)	MAP CRACKING UP TO .03" OPEN WITH EFFLORESCENCE IN BAY 3 UNDERNEATH AT MID-SPAN.	2	120	120 Square Feet
12	Cracking (RC and Other)	TRANSVERSE CRACKS UP TO .04" OPEN 3' TO 6' APART FULL WIDTH.	2	850	850 Square Feet
12	Patched Areas	NUMEROUS PATCHES IN UNDERSIDE AT BAY 7.	2	15	Square Feet
12	Patched Areas	PATCHED AREA 18" WIDE X 6" LONG EAST BOUND LANE AT BENT 2 END.	2	1	Square Feet
12	Patched Areas	PATCHED AREA 3' X 3' RIGHT EAST BOUND LANE AT BENT 2 END.	2	9	Square Feet
12	Patched Areas	PATCHED AREA 4' WIDE X 7' LONG IN RIGHT EAST BOUND LANE AT BENT 1 END.	2	28	Square Feet

General Comments	
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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	1	51	0	0	Feet
515	Steel Protective Coating	525	525	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP ALONG BOTTOM LEFT FLANGE FULL LENGTH AND BOTTOM 3" OF WEB AT BENTS, HOWEVER, BEAM HAS BEEN RECENTLY CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	50		Feet
107	Distortion	BOTTOM FLANGE HAS BEEN GROUND DOWN FOR REPAIR 1-1/2" WIDE X 10" LONG OVER NORTH BOUND LANE.	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	46	6	0	0	Feet
515	Steel Protective Coating	525	525	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP AT BOTH ENDS PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	6		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	46	6	0	0	Feet
515	Steel Protective Coating	525	525	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BOTH ENDS PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	6		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	46	6	0	0	Feet
515	Steel Protective Coating	525	525	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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107 Corrosion PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BOTH ENDS PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED. 2 6 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	46	6	0	0	Feet
515	Steel Protective Coating	525	521	0	4	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	ACTIVE FRECKLE SURFACE RUST 3' LONG AT BENT 1 END.	2	3		Feet
107	Corrosion	PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	3		Feet
515	Effectiveness (Steel Protective Coatings)	PAINT HAS FAILED WITH SURFACE RUST PRESENT ON BOTTOM FLANGE AT BENT 1.	3	4	4	Square Feet

General Comments

Span 2

Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	52	46	6	0	0	Feet
515	Steel Protective Coating	525	525	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BOTH ENDS PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	6		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	46	6	0	0	Feet
515	Steel Protective Coating	525	525	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BOTH ENDS PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	6		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	51	1	0	0 Feet
515	Steel Protective Coating		525	525	0	0	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BOTH ENDS PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	1		Feet	
General Comments							

Span 2		Beam 10					
Plate Girder							
Element Number	Element Name		Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam		52	0	52	0	0 Feet
515	Steel Protective Coating		525	525	0	0	0 Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
107	Corrosion	PITTING UP TO .06" DEEP ALONG BOTTOM RIGHT FLANGE FULL LENGTH AND BOTTOM 3" OF WEB AT BENTS, HOWEVER, BEAM HAS BEEN RECENTLY CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	46		Feet	
107	Corrosion	PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BOTH ENDS PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	6		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	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 2 BEAM 1 NEAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT HAS FAILED WITH RUST BLEED COMING THRU.	3	1	1	Square Feet
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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Connection	SPAN 2 BEAM 1 FAR BEARING: ANCHOR NUT HAS 50% LOSS OF SECTION HOWEVER HAS BEEN RECENTLY CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	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	1	0	0	Each
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 2 BEAM 2 NEAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED. FRECKLE SURFACE RUST ON BOTTOM FACE WHERE EXPOSED DUE TO SPALL.	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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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316	Corrosion	SPAN 2 BEAM 2 FAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	1	Each
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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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 2 BEAM 3 NEAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	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
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 2 BEAM 5 NEAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES WITH ACTIVE FRECKLE SURFACE RUST ON PLATE SURFACES.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH RUST BLEED THRU PAINT.	3	1	1	Square 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	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 2 BEAM 6 NEAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES WITH ACTIVE FRECKLE SURFACE RUST ON PLATE SURFACES.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH RUST BLEED COMING THRU.	3	1	1	Square 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	1	0	0	Each
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 2 BEAM 9 NEAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	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
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 2 BEAM 9 FAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES WITH ACTIVE FRECKLE SURFACE RUST ON PLATE SURFACES.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH RUST BLEED COMING THRU.	3	1		Square 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	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 2 BEAM 10 NEAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES WITH ACTIVE FRECKLE SURFACE RUST ON PLATE SURFACES.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH RUST BLEED COMING THRU.	3	1	1	Square Feet
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
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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316	Corrosion	SPAN 2 BEAM 10 FAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES WITH ACTIVE FRECKLE SURFACE RUST ON PLATE SURFACES.	2	1	Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH RUST BLEED COMING THRU.	3	1	1 Square Feet
General Comments					

Span 2 Median Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	54	53	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	HORIZONTAL CRACK UP TO .03" OPEN WITH EFFLORESCENCE AND SCATTERED VERTICAL CRACKS UP TO .03" OPEN 3' TO 8' APART.	2	1		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	1,977	2,418	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	DIAGONAL CRACKS (3) UP TO .03" OPEN, 4' TO 6' APART IN WEST BOUND LANE AT BENT 2 END.	2	40	40	Square Feet
12	Cracking (RC and Other)	DIAGONAL CRACKS (5) UP TO .03" OPEN 3' TO 4' APART IN EAST BOUND LANE AT SOUTHEAST CORNER END BENT 2 END.	2	80	80	Square Feet
12	Cracking (RC and Other)	LONGITUDINAL CRACK AND SURFACE EFFLORESCENCE IN LAST 12' AT BAY 3. SIMILAR IN BAY 4.	2	160	160	Square Feet
12	Cracking (RC and Other)	MAP CRACKING UP TO .02" OPEN UNDERSIDE AT BAY 4.	2	160	160	Square Feet
12	Cracking (RC and Other)	MAP CRACKING UP TO .03" OPEN EAST BOUND LANE ALONG BENT 2 END.	2	300	300	Square Feet
12	Cracking (RC and Other)	MAP CRACKING UP TO .03" OPEN IN BAY 9 NEAR MID-SPAN.	2	80	80	Square Feet
12	Cracking (RC and Other)	MAP CRACKING UP TO .03" OPEN IN EAST BOUND LANE MID-SPAN AREA.	2	600	600	Square Feet
12	Cracking (RC and Other)	TRANSVERSE CRACKS UP TO .04" OPEN 2' TO 3' APART FULL WIDTH.	2	950	950	Square Feet
12	Delamination/Spall	SPALL 4' LONG X 6" WIDE X 1" DEEP WITH REBAR EXPOSED AND 12" X 12" PATCH AT BAY 6.	2	4	4	Square Feet
12	Patched Areas	PATCHED AREA 10" WIDE X 24" LONG IN BAY 7 6' FROM	2	2		Square Feet

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END BENT 2 END.

12	Patched Areas	PATCHED AREA 2' X 2' IN EAST BOUND LANE AT CENTERLINE, END BENT 2 END.	2	2	Square Feet
12	Patched Areas	PATCHED AREA 20" WIDE X 48" LONG IN LEFT WEST BOUND LANE 16' FROM BENT 2 END.	2	8	Square Feet
12	Patched Areas	PATCHED AREA 3' X 3' EAST BOUND LANE AT CENTERLINE 12' FROM END BENT 2 END.	2	9	Square Feet
12	Patched Areas	PATCHED AREAS: (3) 10" X 10", 10" WIDE X 14" LONG AND 8" DIAMETER IN BAY 9 NEAR END BENT 2 END.	2	3	Square Feet
12	Patched Areas	SCATTERED PATCHED AREAS: (5) 10" WIDE X 36" LONG, 2' X 3', 18" WIDE X 36" LONG, 16" X 16", AND 16" WIDE X 4' LONG IN BAY 9 ALONG BEAM 9.	2	20	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	5	51	0	0 Feet
515	Steel Protective Coating	566	566	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PITTING UP TO .06" DEEP ALONG BOTTOM LEFT FLANGE FULL LENGTH AND BOTTOM 3" OF WEB AT BENTS, HOWEVER, BEAM HAS BEEN RECENTLY CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	48	Feet
107	Corrosion	PITTING UP TO .06" DEEP ON BOTTOM 3" OF WEB AND BOTTOM FLANGE 3' LONG, HOWEVER, BEAM HAS BEEN RECENTLY PAINTED AND CORROSION ARRESTED.	2	3	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
515	Steel Protective Coating	566	566	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3', 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
515	Steel Protective Coating	566	566	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND	2	3	Feet

PAINTED WITH CORROSION ARRESTED.

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
515	Steel Protective Coating	566	566	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3', 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
515	Steel Protective Coating	566	566	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3', 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
515	Steel Protective Coating	566	566	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3', 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
515	Steel Protective Coating	566	566	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3', 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
515	Steel Protective Coating	566	566	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3', 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
515	Steel Protective Coating	566	566	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3', 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	5	51	0	0	Feet
515	Steel Protective Coating	566	566	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PITTING UP TO .06" DEEP ALONG BOTTOM RIGHT FLANGE FULL LENGTH AND BOTTOM 3" OF WEB AT BENTS, HOWEVER, BEAM HAS BEEN RECENTLY CLEANED AND	2	48		Feet

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107 Corrosion PAINTED WITH CORROSION ARRESTED.
 PITTING UP TO .06" DEEP BOTTOM FLANGE AND BOTTOM
 3" OF WEB AT BENT 2 END, PLATE EDGE OUT 3',
 HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND
 PAINTED WITH CORROSION ARRESTED.

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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 3 BEAM 1 NEAR BEARING: ANCHOR NUT HAS 50% LOSS OF SECTION HOWEVER HAS BEEN RECENTLY CLEANED AND PAINTED WITH CORROSION ARRESTED.	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	1	0	0	Each
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 3 BEAM 1 FAR BEARING: ANCHOR NUT HAS 50% LOSS OF SECTION AND LOSS OF SECTION UP TO .06" ON PLATE SURFACES HOWEVER HAS BEEN RECENTLY CLEANED AND PAINTED WITH CORROSION ARRESTED.	2	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
515	Steel Protective Coating	1	1	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 3 BEAM 2 NEAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	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	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SPAN 3 BEAM 2 FAR BEARING: FRECKLE SURFACE RUST ON PLATE SURFACES.	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH RUST BLEED COMING THRU.	3	1	1		Square Feet
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	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SPAN 3 BEAM 3 FAR BEARING: FRECKLE SURFACE RUST ON PLATE SURFACES.	2	1			Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH RUST BLEED COMING THRU.	3	1	1		Square 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	1	0	0	Each
515	Steel Protective Coating	1	1	0	0	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SPAN 3 BEAM 6 NEAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.	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	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet
Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
316	Corrosion	SPAN 3 BEAM 6 FAR BEARING: FRECKLE SURFACE RUST ON PLATE SURFACES.	2	1			Each

Inspection Date: 05/08/2017

General Comments

Other Bearing

Steel Protective Coating	1	0	0	1	0	Square Feet
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Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH RUST BLEED COMING THRU.	3	1	Square Feet
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General Comments

Other Bearing

Steel Protective Coating	1	1	0	0	0	Square Feet
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CORROSION ARRESTED.

General Comments

Other Bearing

Steel Protective Coating	1	1	0	0	0	Square Feet
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CORROSION ARRESTED.

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	1	0	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SPAN 3 BEAM 10 FAR BEARING: FRECKLE SURFACE RUST ON PLATE SURFACES.	2	1		Each
515	Effectiveness (Steel Protective Coatings)	PAINT IS FAILING WITH RUST BLEED COMING THRU.	3	1	1	Square Feet

General Comments

Span 3 Median Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	58	57	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	HORIZONTAL CRACK UP TO .03" OPEN WITH EFFLORESCENCE AND SCATTERED VERTICAL CRACKS UP TO .03" OPEN 3' TO 8' APART.	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	
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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	
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General Comments

NONE

Reinforced Concrete Pier Cap 1

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	91	89	2	0	0 Feet

General Comments

Steel Pile 1

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	1	0	0	0	Each

General Comments

END BENT STEEL FOUNDATION PILES ARE NOT VISIBLE. NO SETTLEMENT EVIDENT.

Reinforced Concrete Pier Cap 1

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	85	73	10	0	2 Feet

General Comments

Bent 1 Reinforced Concrete Column 2**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	PATCHED AREA 5" WIDE AND 8" WIDE X 4' HIGH ON NORTHEAST CORNER WITH HORIZONTAL CRACKS 6" TO 1' APART.	2	1		Each

General Comments

Bent 1 Reinforced Concrete Column 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	Patched Area	PATCHWORK 6" WIDE X 30" HIGH ON EAST AND NORTH FACES.	2			Each
205	Patched Area	PATCHWORK 6" WIDE X 30" HIGH ON SOUTH AND EAST FACES.	2	1		Each

General Comments

Bent 1 Reinforced Concrete Column 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	PATCHWORK 2' HIGH ON WEST AND SOUTH FACES.	2	1	1	Each

General Comments

Bent 2 Reinforced Concrete Pier 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	77	8	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Patched Area	PATCHWORK COLUMN 2 TO COLUMN 3 ON EAST FACE.	2	1		Feet
234	Patched Area	PATCHWORK COLUMN 2 TO COLUMN 3 ON WEST FACE.	2	1		Feet
234	Patched Area	PATCHWORK COLUMN 3 TO COLUMN 4 EAST FACE.	2	1		Feet
234	Patched Area	PATCHWORK COLUMN 3 TO COLUMN 4 WEST FACE.	2	1		Feet
234	Patched Area	PATCHWORK COLUMN 4 TO RIGHT END EAST FACE.	2	1		Feet
234	Patched Area	PATCHWORK COLUMN 4 TO RIGHT END.	2	1		Feet
234	Patched Area	PATCHWORK LEFT END TO COLUMN 2 EAST FACE.	2	1		Feet
234	Patched Area	PATCHWORK LEFT END TO COLUMN 2 ON WEST FACE.	2	1		Feet

General Comments

Bent 2 Reinforced Concrete Column 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	Patched Area	PATCHWORK ALONG TOP 9' ON EAST FACE.	2			Each
205	Patched Area	PATCHWORK FULL HEIGHT NORTH AND WEST FACES.	2	1		Each

General Comments

Bent 2 Reinforced Concrete Column 2**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	PATCHWORK ALONG TOP 5' ON NORTH AND EAST FACES.	2			Each
205	Patched Area	PATCHWORK FULL HEIGHT NORTH AND WEST FACES.	2	1		Each

General Comments

Bent 2 Reinforced Concrete Column 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	PATCHWORK ALONG TOP 6' ON SOUTH AND EAST FACE.	2	1		Each

General Comments

Bent 2 Reinforced Concrete Column 5**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	PATCHWORK TOP 3' HIGH ON WEST AND SOUTH FACES.	2	1		Each

General Comments

End Bent 2

Reinforced Concrete Pier 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	89	86	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	LONGITUDINAL CRACK .05" OPEN AT BEAM 3.	2	1	5	Feet
234	Delamination/Spall	SPALL 11" WIDE X 6" HIGH X 1/2" DEEP BETWEEN BEAMS 2 AND 3.	2	1	1	Feet
234	Patched Area	PATCHWORK (EPOXY) FULL LENGTH OF CAP.	2	1		Feet

General Comments

End Bent 2

Reinforced Concrete Abutment 1

Reinforced Concrete Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	100	99	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Delamination/Spall	SPALL 4' WIDE X 6" HIGH X 1" DEEP WITH REBAR EXPOSED AND 12" X 12" PATCH AT BAY 6.	2	1	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 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	Left Bridge Rail	Steel Rail	Reinforced Concrete Bridge Railing	54
Span 1	Right Bridge Rail	Steel Rail	Metal Bridge Railing	54
Span 1	Right Bridge Rail	Steel Rail	Reinforced Concrete 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	Wearing Surface	Concrete Wearing Surface	Wearing Surface	3717
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	Near Bearing	Other Bearing	Other Bearings	1
Span 1	Far 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	Near 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	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near 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	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near 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	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near 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

Elements Verified

Location	Name	Component	Element Name	Amount
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
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	Wearing Surface	Concrete Wearing Surface	Wearing Surface	3717
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	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far 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	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far 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	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far 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	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far 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 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

Elements Verified

Location	Name	Component	Element Name	Amount
Span 3	Wearing Surface	Concrete Wearing Surface	Wearing Surface	4034
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far 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	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far 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	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far 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	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far 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	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far 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	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	85
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	91
End Bent 1		Reinforced Concrete Abutment	Reinforced Concrete Abutment	100
Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	85
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2		Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	89
End Bent 2		Reinforced Concrete Abutment	Reinforced Concrete Abutment	100

General Inspection Notes

Bent 1

END BENT STEEL FOUNDATION PILES ARE NOT VISIBLE. NO SETTLEMENT EVIDENT.

Span 1 Near Bearing

RECENTLY CLEANED AND PAINTED

Span 1 Near Bearing

RECENTLY PAINTED

National Bridge and NC Inspection Items

Structure Number: 430124

Inspection Date: 05/08/2017

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	F	11480	3376
Drainage System	G, F, P, or C	F	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C			
Scour	G, F, P, or C			
Wingwall	G, F, P, or C			
Field Scour Evaluation				
Drift	G, F, P, or C		0	3366
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	10		
Superstructure Paint Code		I		

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

Inspection Information

Item	Grade Scale	Grade
Regulatory 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: 05/08/2017

Item	Deck Debris	Grade	F	Maint Code	3376	Qty.	11480
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Details DECK DEBRIS ALONG BOTH SHOULDERS.

Item	Drainage System	Grade	F	Maint Code	3332	Qty.	0
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Details SEE DECK DEBRIS.



Span 3 Deck: DIAGONAL CRACKS (5) UP TO .03" OPEN 3' TO 4' APART IN EAST BOUND LANE AT SOUTHEAST CORNER END BENT 2 END.



Span 3 Deck: PATCHED AREA 3' X 3' EAST BOUND LANE AT CENTERLINE 12' FROM END BENT 2 END.



Span 3 Deck: MAP CRACKING UP TO .03" OPEN IN EAST BOUND LANE MID-SPAN AREA.



Span 3 Deck: MAP CRACKING UP TO .03" OPEN EAST BOUND LANE ALONG BENT 2 END.



Span 2 Deck: PATCHED AREA 18" WIDE X 6" LONG EAST BOUND LANE AT BENT 2 END.



Span 2 Deck: PATCHED AREA 3' X 3' RIGHT EAST BOUND LANE AT BENT 2 END.



Span 2 Deck: MAP CRACKING UP TO .03" OPEN IN MID-SPAN AREA.



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



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



Span 1 Deck: PATCHED AREA 3' X 4' IN RIGHT EAST BOUND LANE 8' FROM BENT 1 END.



Span 1 Deck: MAP CRACKING UP TO .03" OPEN EAST BOUND LANE AT MID-SPAN AREA.



Span 1 Deck: PATCHED AREAS: (2) 24" WIDE X 10" LONG IN RIGHT EAST BOUND LANE END BENT 1 END.



Span 1 Deck: PATCHED AREA 20" WIDE 4 X 10" LONG RIGHT EAST BOUND LANE AT END BENT 1 END.



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: MAP CRACKING UP TO .03" OPEN WITH EFFLORESCENCE AT BAY 8 END BENT 1 END.



End Bent 1 Cap 1: SCATTERED EPOXY PATCHWORK FULL LENGTH OF CAP.



End Bent 1 Cap 1: HORIZONTAL CRACK .05" OPEN BEAM 6 TO BEAM 9.



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



Bent 1 Cap 1: PATCHWORK LEFT END TO COLUMN 2 WEST FACE.



Bent 1 Cap 1: PATCHWORK COLUMN 2 TO COLUMN 3 WEST FACE.



Bent 1 Cap 1: PATCHWORK COLUMN 3 TO COLUMN 4 WEST FACE.



Bent 1 Cap 1: PATCHWORK COLUMN 4 TO RIGHT END WEST FACE.



Bent 1 Pile 4: PATCHWORK 2' HIGH ON WEST AND SOUTH FACES.



Bent 1 Pile 3: PATCHWORK 6" WIDE X 30" HIGH ON SOUTH AND EAST FACES.



Bent 1 Pile 3: PATCHWORK 6" WIDE X 30" HIGH ON EAST AND NORTH FACES.



Bent 1 Pile 2: PATCHED AREA 5" WIDE AND 8" WIDE X 4' HIGH ON NORTHEAST CORNER WITH HORIZONTAL CRACKS 6" TO 1' APART.



Bent 1 Cap 1: SPALL 2' WIDE X 18" HIGH X 5-1/2" DEEP WITH 15% LOSS OF BEARING UNDER BEAM 2 SPAN 2 SEAT.



SPAN 2 BEAM 1 NEAR BEARING: PREVIOUS LOSS OF SECTION UP TO .06" ALONG PLATE EDGES AND ON PLATE SURFACES HAS BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED.



Span 2 Beam 2: PITTING UP TO .06" DEEP AT BOTH ENDS PLATE EDGE OUT 3', HOWEVER, BEAMS HAVE RECENTLY BEEN CLEANED AND PAINTED WITH CORROSION ARRESTED. SIMILAR AT EACH BEAM EACH SPAN.



Bent 1 Cap 1: MAP CRACKING UP TO .02" OPEN BETWEEN BEAMS 1 AND 2 ON EAST FACE.



Bent 1 Cap 1: PATCHWORK LEFT END TO COLUMN 2 ON EAST FACE.



Bent 1 Cap 1: PATCHWORK COLUMN 2 TO COLUMN 3 EAST FACE.



Bent 1 Cap 1: PATCHWORK COLUMN 3 TO COLUMN 4 ON EAST FACE.



Bent 1 Cap 1: PATCHWORK COLUMN 4 TO RIGHT END.



Bent 1 Cap 1: VERTICAL CRACK .02" OPEN 6' HIGH COLUMN 3 TO BEAM 6 SEAT ON EAST FACE.



Span 2 Beam 5: ACTIVE FRECKLE SURFACE RUST 3' LONG AT BENT 1 END.



Span 2 Beam 5 Near Bearing: PAINT IS FAILING WITH RUST BLEED THRU PAINT.



Span 2 Beam 1 Far Bearing: ANCHOR NUT HAS 50% LOSS OF SECTION HOWEVER HAS BEEN RECENTLY CLEANED AND PAINTED WITH CORROSION ARRESTED. SIMILAR AT SPAN 3 BEAM 1 NEAR BEARING.



Span 3 Beam 1: PITTING UP TO .06" DEEP ON BOTTOM 3" OF WEB AND BOTTOM FLANGE 3' LONG, HOWEVER, BEAM HAS BEEN RECENTLY PAINTED AND CORROSION ARRESTED.



Bent 2 Cap 1: PATCHWORK LEFT END TO COLUMN 2 ON WEST FACE.



Bent 2 Cap 1: PATCHWORK COLUMN 2 TO COLUMN 3 ON WEST FACE.



Bent 2 Cap 1: PATCHWORK COLUMN 3 TO COLUMN 4 WEST FACE.



Bent 2 Cap 1: PATCHWORK COLUMN 4 TO RIGHT END.



Bent 2 Pile 1: PATCHWORK FULL HEIGHT NORTH AND WEST FACES.



Bent 2 Pile 2: PATCHWORK FULL HEIGHT NORTH AND WEST FACES.



Bent 2 Pile 5: PATCHWORK TOP 3' HIGH ON WEST AND SOUTH FACES.



Bent 2 Cap 1: PATCHWORK LEFT END TO COLUMN 2 EAST FACE.



Bent 2 Cap 1: PATCHWORK COLUMN 2 TO COLUMN 3 ON EAST FACE.



Bent 2 Cap 1: PATCHWORK COLUMN 3 TO COLUMN 4 EAST FACE.



Bent 2 Cap 1: PATCHWORK COLUMN 4 TO RIGHT END EAST FACE.



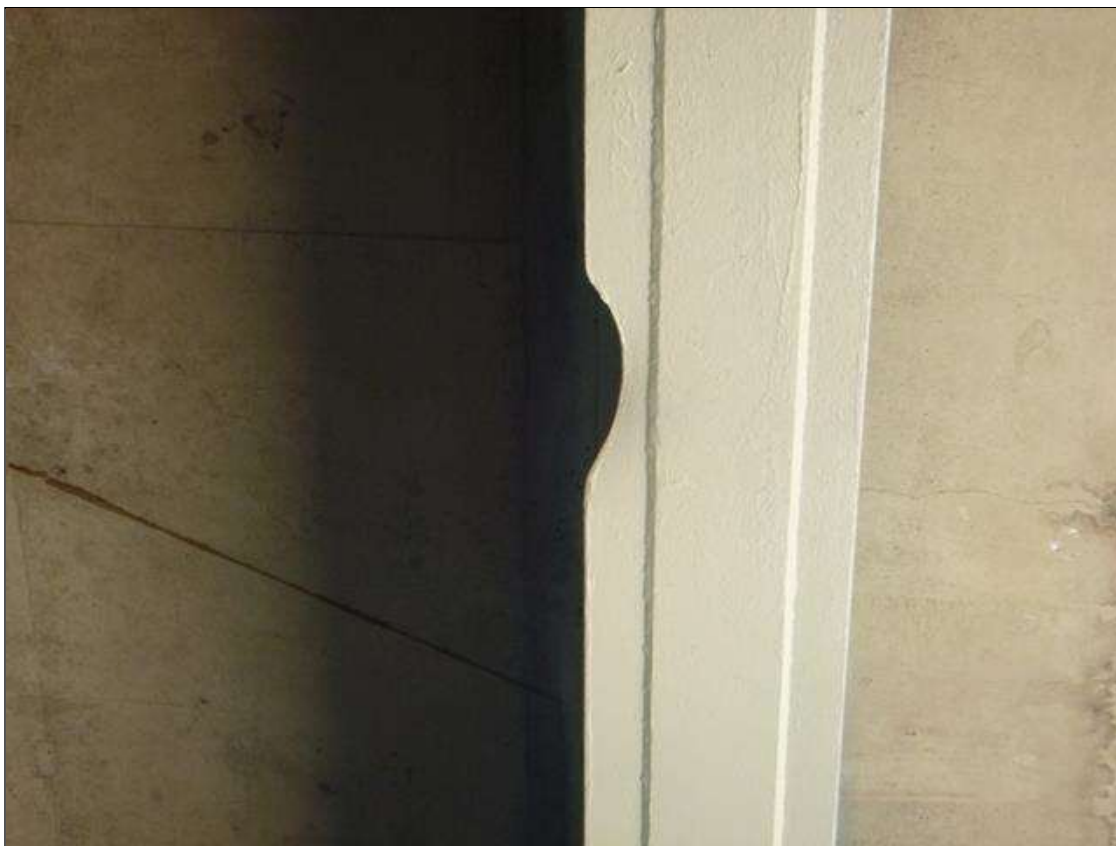
Bent 2 Pile 4: PATCHWORK ALONG TOP 6' ON SOUTH AND EAST FACE.



Bent 2 Pile 2: PATCHWORK ALONG TOP 5' ON NORTH AND EAST FACES.



Bent 2 Pile 1: PATCHWORK ALONG TOP 9' ON EAST FACE.



Span 2 Beam 1: BOTTOM FLANGE HAS BEEN GROUND DOWN FOR REPAIR 1-1/2" WIDE X 10" LONG OVER NORTH BOUND LANE.



Span 2 Deck: NUMEROUS PATCHES IN UNDERSIDE AT BAY 7.



Span 2 Deck: MAP CRACKING UP TO .03" OPEN WITH EFFLORESCENCE IN BAY 3 UNDERNEATH AT MID-SPAN.



Span 2 Deck: SPALL 18" WIDE X 12" LONG X 2-1/2" DEEP AT BAY 1, 12' FROM BENT 1 END.



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



Span 1 Deck: DIAGONAL CRACKING .03" OPEN AT NORTHWEST CORNER END BENT 1 END.



Span 1 Deck: TRRANSVERSE CRACK .05" OPEN, EAST BOUND LANE AND WEST BOUND LANE 6' FROM END BENT 1 END.



DECK DEBRIS ALONG BOTH SHOULDERS.



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



Span 1 Deck: TRANSVERSE CRACKS .03" OPEN 3' TO 5' APART FULL WIDTH.



Span 1 Deck: PATCHED AREA 24" WIDE X 18" LONG LEFT WEST BOUND LANE AT BENT 1 END.



Span 1 Median Rail: HORIZONTAL CRACK UP TO .03" OPEN WITH EFFLORESCENCE AND SCATTERED VERTICAL CRACKS UP TO .03" OPEN 3' TO 8' APART.



Span 2 Deck: DIAGONAL CRACKS .04" OPEN 4' TO 6' APART WEST BOUND LANE AT BENT 1 END.



Span 2 Deck: TRANSVERSE CRACKS UP TO .04" OPEN 3' TO 6' APART FULL WIDTH.



Span 3 Deck: DIAGONAL CRACKS (3) UP TO .03" OPEN, 4' TO 6' APART IN WEST BOUND LANE AT BENT 2 END.



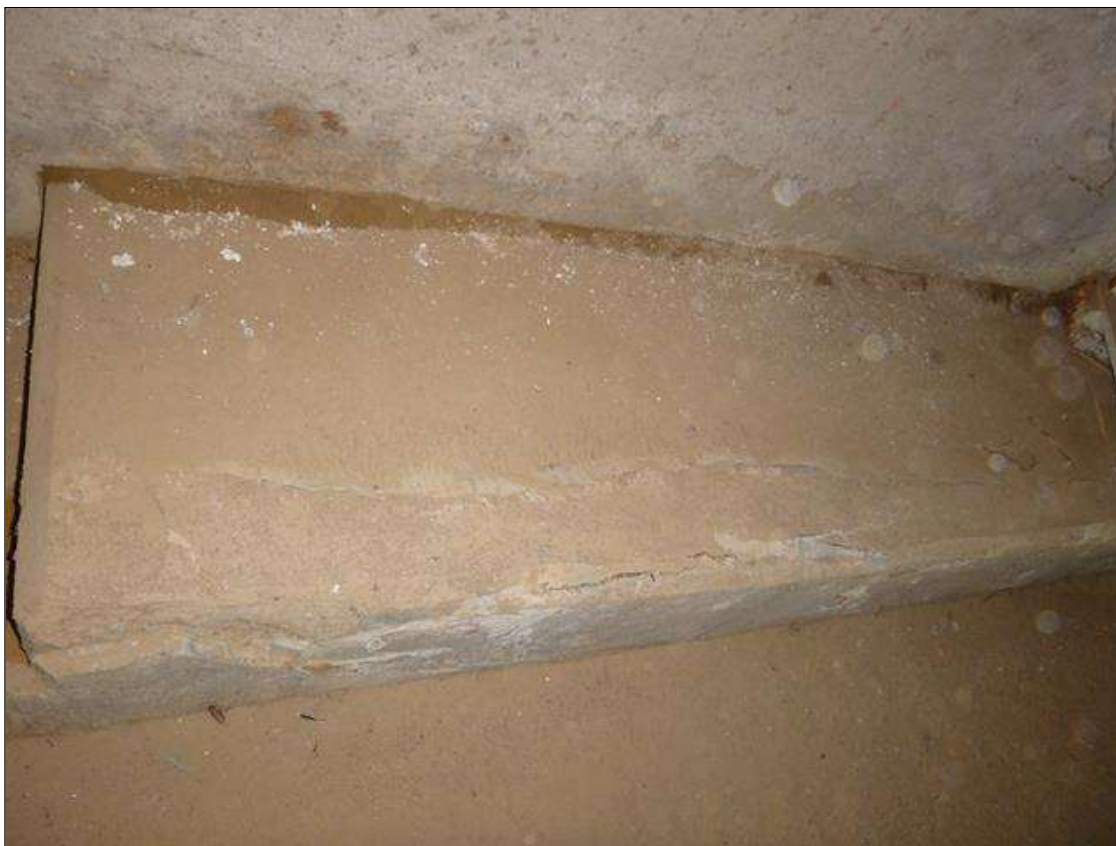
Span 3 Deck: PATCHED AREA 20" WIDE X 48" LONG IN LEFT WEST BOUND LANE 16' FROM BENT 2 END.



Span 3 Deck: TRANSVERSE CRACKS UP TO .04" OPEN 2' TO 3' APART FULL WIDTH.



End Bent 2 Cap 1: SPALL 11" WIDE X 6" HIGH X 1/2" DEEP BETWEEN BEAMS 2 AND 3.



End Bent 2 Cap 1: LONGITUDINAL CRACK .05" OPEN AT BEAM 3.



End Bent 2 Cap 1: PATCHWORK (EPOXY) FULL LENGTH OF CAP.



Span 3 Deck: LONGITUDINAL CRACK AND SURFACE EFFLORESCENCE IN LAST 12' AT BAY 3. SIMILAR IN BAY 4.



Span 3 Deck: MAP CRACKING UP TO .02" OPEN UNDERSIDE AT BAY 4.



SPAN 3 DECK : SPALL 4' LONG X 6" WIDE X 1" DEEP WITH REBAR EXPOSED AND 12" X 12" PATCH AT BAY 6.



Span 3 Deck: PATCHED AREA 10" WIDE X 24" LONG IN BAY 7 6' FROM END BENT 2 END.



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: MAP CRACKING UP TO .03" OPEN IN BAY 9 NEAR MID-SPAN.



Span 3 Deck: SCATTERED PATCHED AREAS: (5) 10" WIDE X 36" LONG, 2' X 3', 18" WIDE X 36" LONG, 16" X 16", AND 16" WIDE X 4' LONG IN BAY 9 ALONG BEAM 9.



Span 3 Deck: PATCHED AREA 2' X 2' IN EAST BOUND LANE AT CENTERLINE, END BENT 2 END.



LOOKING SOUTH



LOOKING NORTH



WEST APPROACH LOOKING EAST



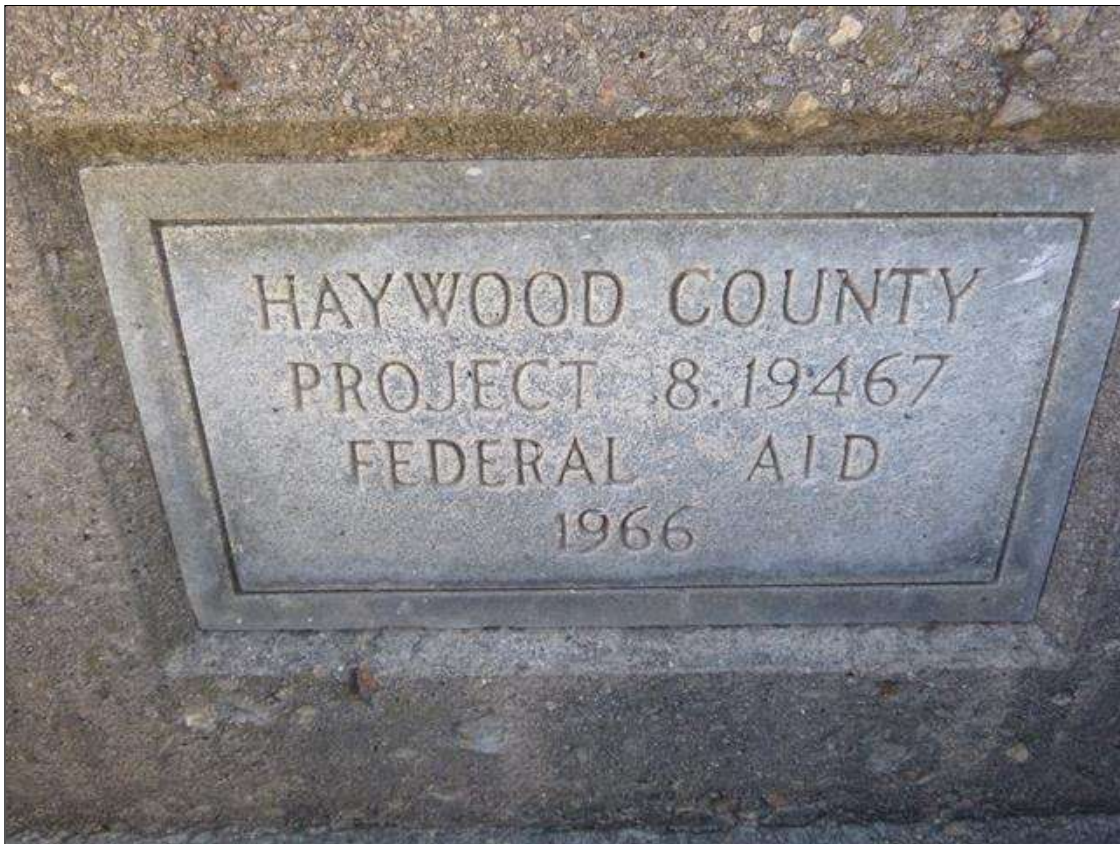
COMPRESSION SEAL WITH ARMOR JOINT AT END BENT 1



COMPRESSION SEAL WITH ARMOR JOINT AT BENT 1



COMPRESSION SEAL JOINT WITH ARMOR JOINT AT BENT 2



PROJECT PLATE



COMPRESSION SEAL WITH ARMOR JOINT AT END BENT 2 END.



GUARDRAIL CONNECTION



GUARDRAIL POST SPACING 1.55' TO 7' AT BRIDGE



GUARDRAIL TRANSITION



GUARDRAIL POST SPACING 6.30'



EAST APPROACH LOOKING WEST



TERMINAL GUARDRAIL END



END BENT 2 LOOKING EAST



TYPICAL BEARING AT END BENTS.



RAIL / GUARDRAIL SEPARATION AT SOUTHEAST CORNER



END BENT 1 LOOKING WEST



BENT 1 LOOKING WEST



TYPICAL BEARING AT BENTS



SUPERSTRUCTURE SPAN 1



SUPERSTRUCTURE SPAN 2



SUPERSTRUCTURE SPAN 3



BENT 2 LOOKING EAST

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

Run Date: 11/08/2017

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		CLASSIFICATION	CODE	
(3) COUNTY CODE 87 (4) PLACE CODE	0		(112)NBIS BRIDGE SYSTEM -	YES	
(6) FEATURE INTERSECTED - SR1338			(104)HIGHWAY SYSTEM Is on the NHS	1	
(7) FACILITY CARRIED I-40			(26) FUNCTIONAL CLASS - Arterial - Interstate	01	
(9) LOCATION 5 MI.W.JCT.US276			(100)STRAHNET HIGHWAY - Interstate STRAHNET Route	1	
(11)MILEPOINT	14.9		(101)PARALLEL STRUCTURE - No Parallel Structure	N	
(16)LAT 35° 40' 3.95" (17)LONG 82° 59' 40.30"			(102)DIRECTION OF TRAFFIC - 2-way Traffic	2	
(98)BORDER BRIDGE STATE CODE	PCT SHARE		(103)TEMPORARY STRUCTURE -		
(99)BORDER BRIDGE STRUCTURE NO			(110)DESIGNATED NATIONAL NETWORK - On the National Network	1	
			(20) TOLL On Free Road	3	
			(31) MAINTAIN - State Highway Agency	01	
			(22) OWNER - State Highway Agency	01	
			(37) HISTORICAL SIGNIFICANCE - Not Eligible	5	
STRUCTURE TYPE AND MATERIAL					
(43) STRUCTURE TYPE MAIN: Steel					
TYPE - Stringer Multibeam or Girder	CODE	302			
(44) STRUCTURE TYPE APPR :			CONDITION	CODE	
TYPE -	CODE	000			
(45) NUMBER OF SPANS IN MAIN UNIT	3		(58) DECK	5	
(46) NUMBER OF APPROACH SPANS			(59) SUPERSTRUCTURE	6	
(107)DECK STRUCTURE TYPE - 1	CODE		(60) SUBSTRUCTURE	5	
(108)WEARING SURFACE / PROTECTIVE SYSTEM :			(61) CHANNEL & CHANNEL PROTECTION	N	
(A) TYPE OF WEARING SURFACE -	CODE		(62) CULVERTS	N	
(B) TYPE OF MEMBRANE -	CODE				
(C) TYPE OF DECK PROTECTION -	CODE		LOAD RATING AND POSTING	CODE	
			(31) DESIGN LOAD HS 20 + MOD	6	
			(63) OPERATING RATING METHOD - Load Factor	1	
			(64) OPERATING RATING - HS-39	70	
			(65) INVENTORY RATING METHOD - Load Factor	1	
			(66) INVENTORY RATING - HS-24	43	
			(70) BRIDGE POSTING - No Posting Required	5	
			(41) STRUCTURE OPEN, POSTED ,OR CLOSED	A	
			DESCRIPTION - Open, No Restriction		
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	22000		APPRAISAL	CODE	
(30) YEAR OF ADT 2015 (109) TRUCK ADT PCT	23%		(67) STRUCTURAL EVALUATION	5	
(19) BYPASS OR DETOUR LENGTH	0 MI		(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	
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		PROPOSED IMPROVEMENTS	CODE	
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS)	72 FT		(75) TYPE OF WORK -		
(33) BRIDGE MEDIAN - No Median	CODE	3	(76) LENGTH OF STRUCTURE IMPROVEMENT		
(34) SKEW 27° (35) STRUCTURE FLARED	0		(94) BRIDGE IMPROVEMENT COST		
(10) INVENTORY ROUTE MIN VERT CLEAR	999.9 FT		(95) ROADWAY IMPROVEMENT COST		
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR	35.167 FT		(96) TOTAL PROJECT COST		
(53) MIN VERT CLEAR OVER BRIDGE RDWY	999.9 FT		(97) YEAR OF IMPROVEMENT COST ESTIMATE		
(54) MIN VERT UNDERCLEAR REF Highway	15.083 FT		(114)FUTURE ADT 44000 (115) YEAR FUTURE ADT	2025	
(55) MIN LAT UNDERCLEAR RT REF Highway	8.2 FT				
(56) MIN LAT UNDERCLEAR LT REF -	0 FT		INSPECTIONS		
			(90) INSPECTION DATE	05/08/2017	
			(92) CRITICAL FEATURE INSPECTION :	(93) CFI DATE	
(38) NAVIGATION CONTROL - Not Applicable	CODE	N	A) FRACTURE CRIT DETAIL - NO	A)	
(111)PIER PROTECTION -	CODE		B) UNDERWATER INSP - NO	B)	
(39) NAVIGATION VERTICAL CLEARANCE	0		C) OTHER SPECIAL INSP NO	C)	
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR	FT		SCOUR		
(40) NAVIGATION HORIZONTAL CLEARANCE	0 FT				

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	500	2011	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: 11/08/2017

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 : 22000 2015 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 36 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-24 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: 05/08/2017

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3348	Maintain Concrete Substructure Components	LF	2	Bent 1 Cap 1: SPALL 2' WIDE X 18" HIGH X 5-1/2" DEEP WITH 15% LOSS OF BEARING UNDER BEAM 2 SPAN 2 SEAT.	

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
3348	Maintain Concrete Substructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
05/08/2017	H.W. HICKS, JR.	
Details		
Bent 1 Cap 1: SPALL 2' WIDE X 18" HIGH X 5-1/2" DEEP WITH 15% LOSS OF BEARING UNDER BEAM 2 SPAN 2 SEAT.		

Structure Data Worksheet

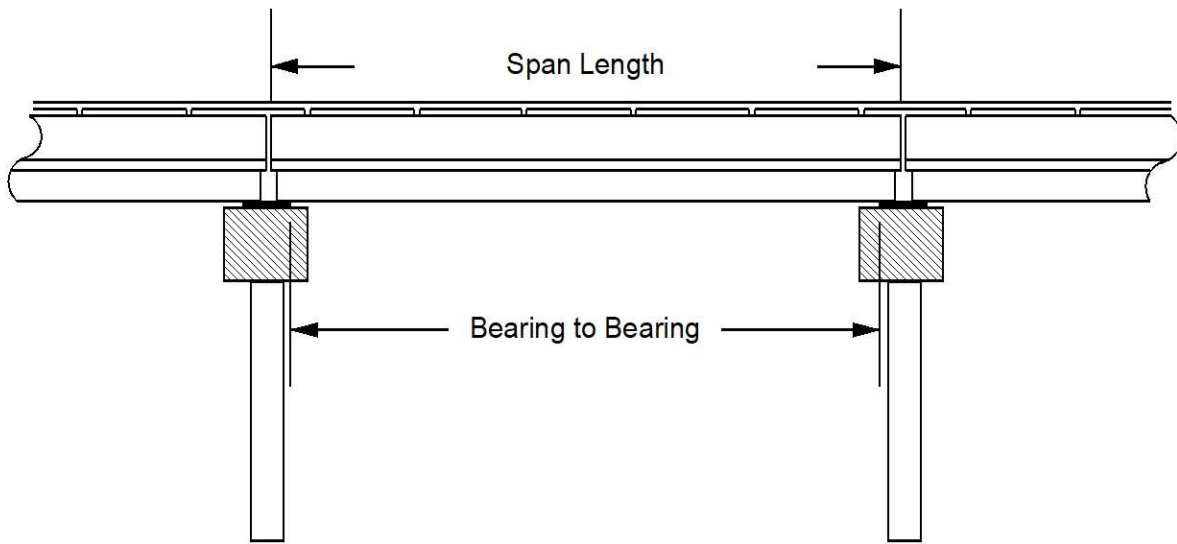
Spans

County: HAYWOOD

Structure No: 430124

Date: 05/08/2017

Inspected By: HWH

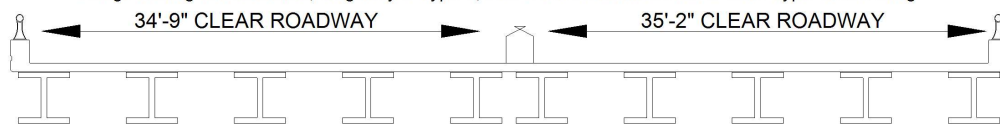


Span No	Span Length	Bearing to Bearing	Comments
1	53'- 2"	51' 2"	
2	53'- 2"	51' 9"	
3	57'- 8 1/2"	55' 9"	NBIS BRIDGE LENGTH = 156'-2"

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

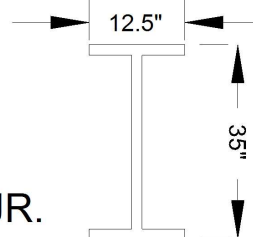


Measurements for Span #	1		
Deck Thickness	0.646	Left Overhang	2.573
Top of Rail to Bottom of Beam	6.31	Right Overhang	2.573

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



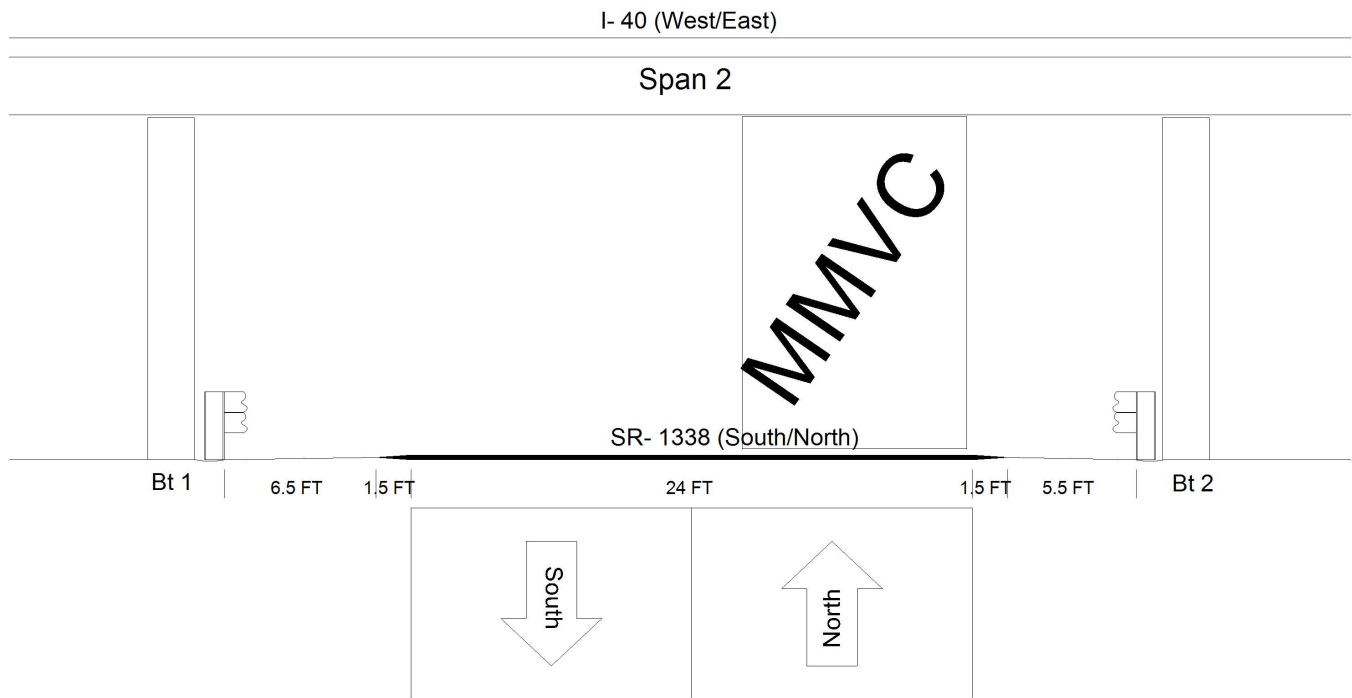
FLANGES = 3/4"
WEB = 3/4"

VERIFIED 5/8/17 H.W. HICKS, JR.

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

Title		Description	
Typical Section		Data Worksheet	
Bridge No: 430124	Drawn By: Roy W. Shook	Date: 08/21/2007	File Name: S0106000370

Bridge Inspection Field Sketch



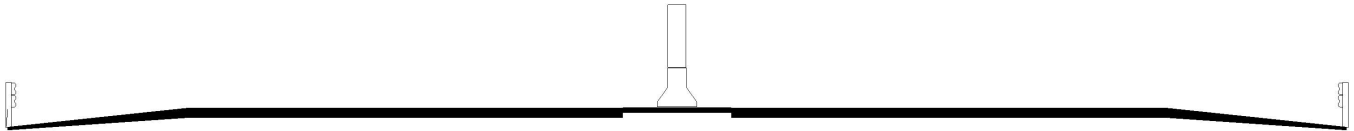
Roadway 1		Direction of Traffic	North South
Distance to Left Rail	8FT	Distance to Right Rail	7FT
Distance to Left Toe of Slope		Distance to Left Bent	9.2FT
Distance to Right Toe of Slope		Distance to Right Bent	8.2FT
MMVC	15.417 Ft at Beam 1, 10 FT from Right Edge of Roadway		
MVC	15.0833 FT AT BEAM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

VERIFIED 5/8/17 H.W. HICKS, JR.

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



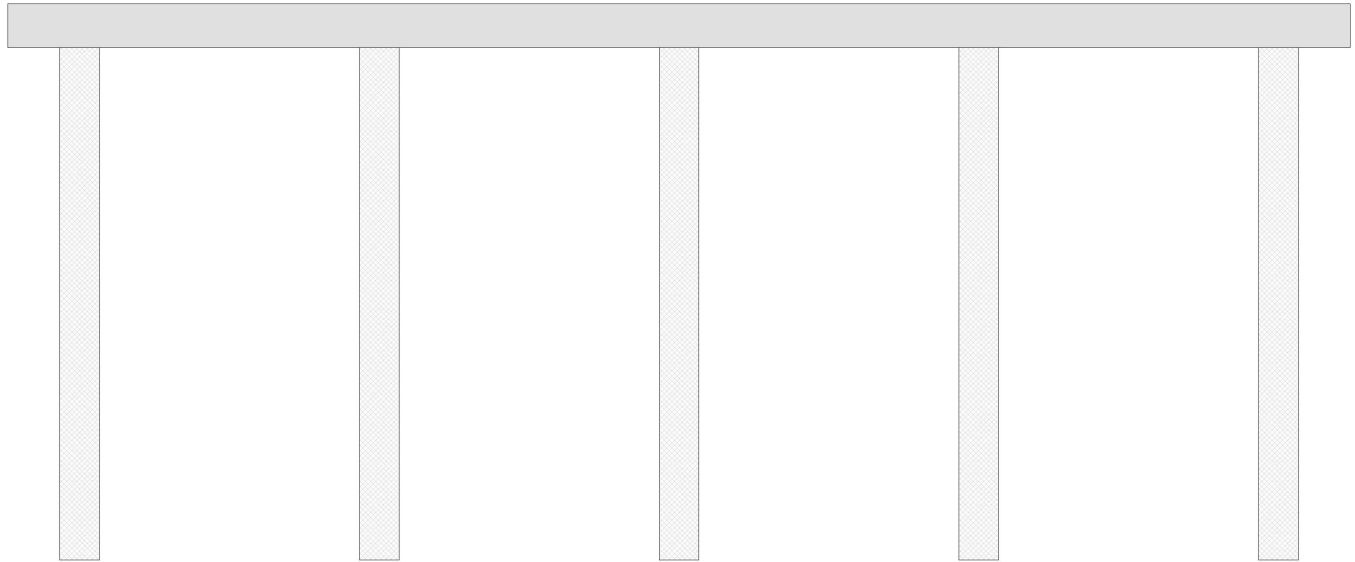
Left Lanes			
Roadway	24ft Wide	2 Paved Lanes	West Bound
Right Shoulder	10.1ft Wide	10ft Paved	0.1ft Unpaved
Left Shoulder	2ft Wide	2ft Paved	
Right Guardrail	10.1ft from road		
Left Guardrail	2ft from road		
Median	2ft Wide	5.167ft High	
Right Lanes			
Roadway	24ft Wide	2 Paved Lanes	East Bound
Left 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 5/8/17 H.W. HICKS, JR.

05/19/15 - J.C.HUNTSINGER

Title		Description	
Approach Roadway		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

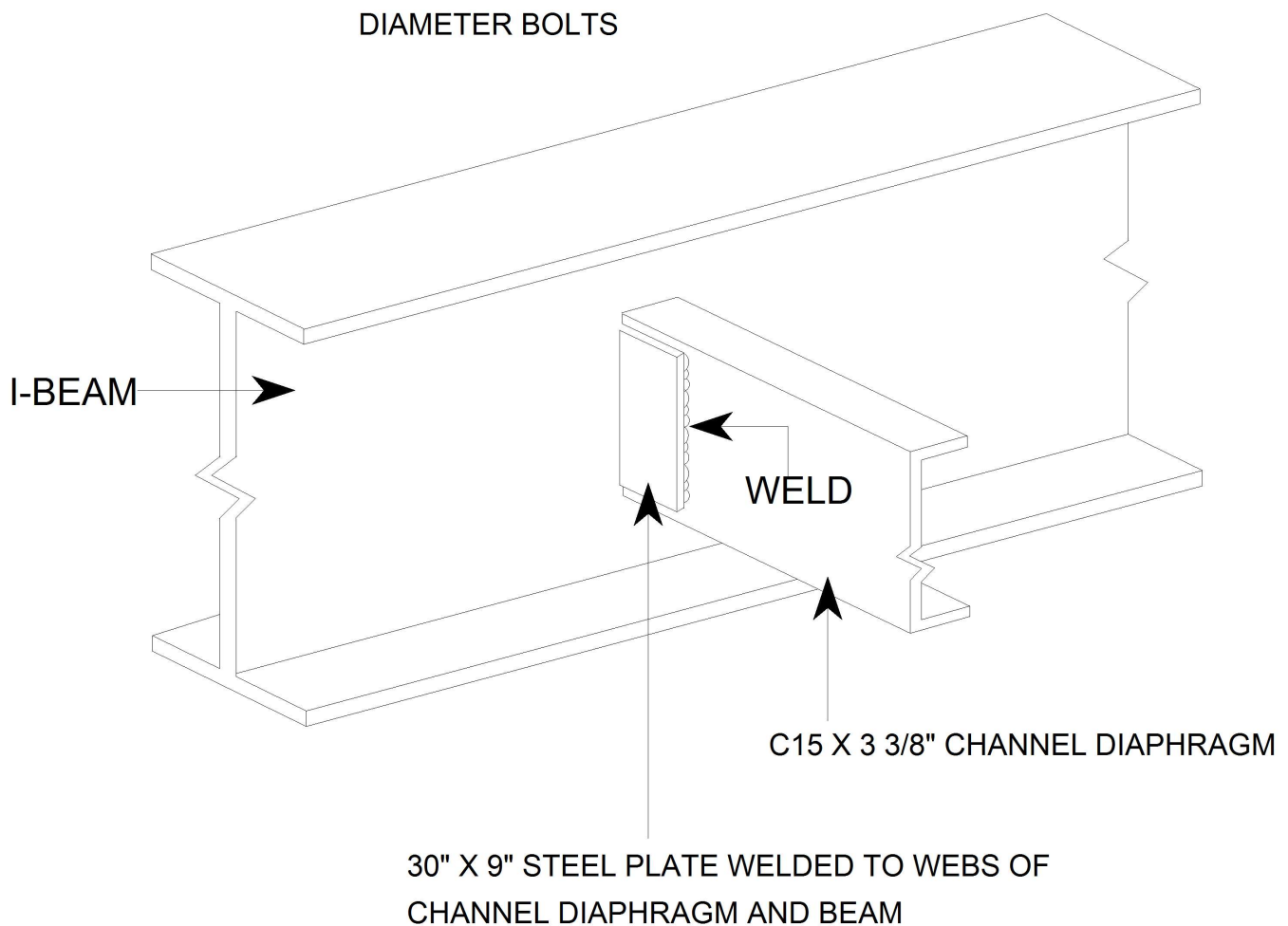
VERIFIED 5/8/17 H.W. HICKS, JR.

Bent/Abutment #: 1		Similar Bents: 2	
Title 05/19/15 - J.C.HUNTSINGER 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



05/19/15 - J.C.HUNTSINGER

VERIFIED 5/8/17 H.W. HICKS, JR.

Title		Description	
INTERMEDIATE DIAPHRAGMS		SUPERSTRUCTURE DETAILS	
Bridge No:	430124	Drawn By:	JOE C HUNTSINGER
Date:	5/15/2013	File Name:	S0106001622