NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINT (CAP AND GR); DATA AND SKETCHES REVISED;

Structure Safety Report

Routine Element Inspection - Contract

COUNTY: HAYWOOD **STRUCTURE NUMBER:** 430095 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: US74 **MILE POST:**

LOCATION: .3 MI.N.JCT.US19,23,74

FEATURE INTERSECTED: SOUTHERN RAILROAD

LATITUDE: 35° 31' 58.19" **LONGITUDE:** 82° 55' 18.96"

SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE: E.BTS:RC CAPS/H-PILES;INT.BTS:RC POST&BEAM

1 @ 54'; 1 @ 35'; 1 @ 42'-6"
SPANS: 1 @ 54'; 1 @ 35'; 1 @ 42'-6

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

PRESENT CONDITION: Poor **INSPECTION DATE:** 03/07/2017

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

OTHER SIGNS PRESENT: NONE

SOUTH APPROACH, NBL

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

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS

INSPECTED BY	SIGNATURE	ASSISTED BY
ERIC A. PATTERSON		KEITH PROCTOR

Structure Element Scoring

Structure Number: **430095**

Inspection Date **3/7/2017**

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	7825	7226	598	1	0
107	0	Steel Open Girder/Beam	Beam	1040	0	1032	8	0
515	107	Steel Protective Coating	Beam	9904	8852	780	260	12
205	0	Reinforced Concrete Column	Piles and Columns	8	5	0	3	0
215	0	Reinforced Concrete Abutment	Abutments	126	102	24	0	0
225	0	Steel Pile	Piles and Columns	26	26	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	248	148	12	85	3
302	0	Compression Joint Seal	Expansion Joints	120	120	0	0	0
311	0	Movable Bearing	Bearing Device	24	0	0	24	0
515	311	Steel Protective Coating	Bearing Device	24	0	0	0	24
313	0	Fixed Bearing	Bearing Device	24	0	0	24	0
515	313	Steel Protective Coating	Bearing Device	24	0	0	0	24
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	396	395	0	1	0
510	0	Wearing Surface	Wearing Surfaces	7364	7127	60	177	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **430095** Inspection Date: **03/07/2017**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	4 Square Feet
3314	Steel Open Girder/Beam	Corrosion	8 Feet
3348	Reinforced Concrete Column	Delamination/Spall	5 Each
3348	Reinforced Concrete Column	Cracking (RC and Other)	12 Each
3348	Reinforced Concrete Pier Cap	Efflorescence/Rust Staining	8 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	48 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	31 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	3 Feet
3334	Movable Bearing	Corrosion	24 Each
3334	Fixed Bearing	Corrosion	24 Each
2816	Wearing Surface	Delamination/Spall (Wearing Surfaces)	65 Square Feet
2816	Wearing Surface	Crack (Wearing Surface)	112 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	1100 Square Feet

Element Structure Maintenance Quantities

Structure Number: **430095** Inspection Date **03/07/2017**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	0	126	0	0	24	102
Beam	3314	Maintenance Steel Superstructure Components	8	1040	0	8	1032	0
Beam	3342	Clean and Paint Steel	1052	9904	12	260	780	8852
Bearing Device	3334	Bridge Bearing	48	48	0	48	0	0
Bearing Device	3342	Clean and Paint Steel	48	48	48	0	0	0
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	1	396	0	1	0	395
Caps	3348	Maintenance of Concrete Substructure	90	248	3	85	12	148
Deck	3326	Maintenance of Concrete Deck	4	7825	0	1	598	7226
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	120	0	0	0	120
Piles and Columns	3348	Maintenance of Concrete Substructure	17	8	0	3	0	5
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	26	0	0	0	26
Wearing Surfaces	2816	Asphalt Surface Repair	177	7364	0	177	60	7127

Element Condition and Maintenance Data

Structure Number: **430095** Inspection Date: **03/07/2017**

Span 1 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	3,213	2,984	228	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Delamination/Spall	LT DECK OVERHANG, APPROX 1SQFT SPALL WITH EXPOSED RESTEEL, UP TO 1"D.	3	1	1	Square Feet
12	Cracking (RC and Other)	RT & LT ENDS, HORIZONTAL HL CRACKING WITH RUST STAINING, SCATTERED	2	25		Square Feet
12	Cracking (RC and Other)	UNDERSIDE OF THE DECK, HL TRANSVERSE CRACKING WITH EFFLO STAINING, SCATTERED; TYP	2	100		Square Feet
12	Delamination/Spall	UNDERSIDE OF THE DECK OVERHANGS, SCATTERED DELAM	2	3		Square Feet
12	Efflorescence/Rust Staining	UNDERSIDE OF THE DECK, HL TRANSVERSE CRACKING WITH EFFLO STAINING, SCATTERED	2	100		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	54	0	54	0	0	Feet
515	Steel Protective Coating	511	457	0	54	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE	3	54	54	Square Feet

General Comments

Span 1 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	54	0	54	0	0	Feet
515	Steel Protective Coating	511	457	54	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	54	54	Square Feet

General Comments

Span 1 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	54	0	54	0	0	Feet
515	Steel Protective Coating	511	457	54	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	54	54	Square Feet

General Comments

Span 1 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	54	0	54	0	0	Feet
515	Steel Protective Coating	511	457	54	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	54	54	Square Feet

General Comments

Span 1 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	54	0	54	0	0	Feet
515	Steel Protective Coating	511	457	54	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	54	54	Square Feet

General Comments

Span 1 Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	54	0	54	0	0	Feet
515	Steel Protective Coating	511	457	54	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	54	54	Square Feet

General Comments

Span 1 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	54	0	54	0	0	Feet
515	Steel Protective Coating	511	457	54	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	54	54	Square Feet

General Comments

Span 1 Beam 8

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	54	0	54	0	0	Feet
515	Steel Protective Coating	511	457	0	54	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE	2	54		Feet
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE	3	54	54	Square Feet

General Comments

Span 1 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	3,024	2,912	0	112	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	AT THE SPAN ENDS, FULL WIDTH TRANSVERSE CRACKING UP TO 1/4"W	3	56	56	Square Feet
510	Delamination/Spall (Wearing Surfaces)	AT BENT 1, SCATTERED SPALLING UP TO 2"D ALONG THE JOINT TOTALING APPROX 56SQFT	3	56	56	Square Feet

General Comments

Span 1 Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST	3	1	1	Each

		IN AREAS OF PC FAILURE				
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 1 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 1 — Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 1 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 1 — Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 1 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 1 — Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 1 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each

515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 1 Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 1 Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 1 Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 1 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 1 — Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 1 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 1 — Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each

515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 1 Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	2,083	1,941	142	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	RT & LT ENDS, HORIZONTAL HL CRACKING WITH RUST STAINING, SCATTERED	2	20		Square Feet
12	Cracking (RC and Other)	UNDERSIDE OF THE DECK, HL TRANSVERSE CRACKING WITH EFFLO STAINING, SCATTERED	2	60		Square Feet
12	Delamination/Spall	SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE	2	2		Square Feet
12	Efflorescence/Rust Staining	UNDERSIDE OF THE DECK, HL TRANSVERSE CRACKING WITH EFFLO STAINING, SCATTERED	2	60		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	34	0	32	2	0	Feet
515	Steel Protective Coating	325	287	0	34	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	BEAM END AT BENT 2 HAS SURFACE CORROSION WITH PITTING UP TO 1/16" AND LAYERED RUST FOR APPROX 2'L.	3	2	2	Feet
107	Corrosion	SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE	2	32		Feet
515	Effectiveness (Steel Protective Coatings)	BEAM END AT BENT 2 HAS SURFACE CORROSION WITH PITTING UP TO 1/16" AND LAYERED RUST FOR APPROX 2'L.	4	4	4	Square Feet
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE	3	34	34	Square Feet

General Comments

Span 2 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	34	0	34	0	0	Feet
515	Steel Protective Coating	325	291	34	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	34		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	34	34	Square Feet

General Comments

Span 2 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	34	0	34	0	0	Feet
515	Steel Protective Coating	325	291	34	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	34		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	34	34	Square Feet

General Comments

Span 2 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	34	0	34	0	0	Feet
515	Steel Protective Coating	325	291	34	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	34		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	34	34	Square Feet

General Comments

Span 2 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	34	0	34	0	0	Feet
515	Steel Protective Coating	325	291	34	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	34		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	34	34	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	34	0	34	0	0	Feet
515	Steel Protective Coating	325	291	34	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	34		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	34	34	Square Feet

General Comments

Span 2 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	34	0	34	0	0	Feet
515	Steel Protective Coating	325	291	34	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	34		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	34	34	Square Feet

General Comments

Span 2 Beam 8

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	34	0	32	2	0	Feet
515	Steel Protective Coating	325	287	0	34	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	BEAM END AT BENT 2 HAS SURFACE CORROSION WITH PITTING UP TO 1/16" AND LAYERED RUST FOR APPROX 2'L.	3	2	2	Feet
107	Corrosion	SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE	2	32		Feet
515	Effectiveness (Steel Protective Coatings)	BEAM END AT BENT 2 HAS SURFACE CORROSION WITH PITTING UP TO 1/16" AND LAYERED RUST FOR APPROX 2'L.	4	4	4	Square Feet
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE	3	34	34	Square Feet

General Comments

Span 2 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,960	1,891	60	9	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Delamination/Spall (Wearing Surfaces)	AT BENT 2, SCATTERED SPALLING UP TO 2"D ALONG THE JOINT TOTALING APPROX 6SQFT	3	9	9	Square Feet
510	Crack (Wearing Surface)	SCATTERED MAP CRACKING UP TO 1/16"W	2	60		Square Feet

General Comments

Span 2 — Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 — Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 — Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 — Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each

515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 — Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 — Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 — Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 — Far Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 2 — Expansion Joint

Compression Seal

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
302	Compression Joint Seal	60	60	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

NOT VISIBLE

Span 3 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	2,529	2,301	228	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	RT & LT ENDS, HORIZONTAL HL CRACKING WITH RUST STAINING, SCATTERED	2	25		Square Feet
12	Cracking (RC and Other)	UNDERSIDE OF THE DECK, HL TRANSVERSE CRACKING WITH EFFLO STAINING, SCATTERED	2	100		Square Feet
12	Delamination/Spall	SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE	2	3	3	Square Feet
12	Efflorescence/Rust Staining	UNDERSIDE OF THE DECK, HL TRANSVERSE CRACKING WITH EFFLO STAINING, SCATTERED	2	100		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	42	0	40	2	0	Feet
515	Steel Protective Coating	402	360	0	42	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	BEAM END AT BENT 2, CORROSION WITH APPROX 30% SECTION LOSS (AVG 5/16" REMAINS) IN THE LOWER 2" OF THE WEB FOR APPROX 2'L. PMAINT.	3	2	2	Feet
107	Corrosion	SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE	2	40		Feet
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE	3	42	42	Square Feet

General Comments

Span 3 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	42	0	42	0	0	Feet
515	Steel Protective Coating	402	360	42	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	42		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	42	42	Square Feet

General Comments

Span 3 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	42	0	42	0	0	Feet
515	Steel Protective Coating	402	360	42	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	42		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	42	42	Square Feet

General Comments

Span 3 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	42	0	42	0	0	Feet
515	Steel Protective Coating	402	360	42	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	42		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	42	42	Square Feet

General Comments

Span 3 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	42	0	42	0	0	Feet
515	Steel Protective Coating	402	360	42	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	42		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	42	42	Square Feet

General Comments

Span 3 Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	42	0	42	0	0	Feet
515	Steel Protective Coating	402	360	42	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	42		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	42	42	Square Feet

General Comments

Span 3 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	42	0	42	0	0	Feet
515	Steel Protective Coating	402	360	42	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED CORROSION, SCATTERED	2	42		Feet
515	Effectiveness (Steel Protective Coatings)	FRECKLED CORROSION, SCATTERED	2	42	42	Square Feet

General Comments

Span 3 Beam 8

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	42	0	40	2	0	Feet
515	Steel Protective Coating	402	356	0	42	4	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	BEAM END AT BENT 2 HAS SURFACE CORROSION WITH PITTING UP TO 1/16" AND LAYERED RUST FOR APPROX 2'L.	3	2	2	Feet
107	Corrosion	SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE	2	40		Feet
515	Effectiveness (Steel Protective Coatings)	BEAM END AT BENT 2 HAS SURFACE CORROSION WITH PITTING UP TO 1/16" AND LAYERED RUST FOR APPROX 2'L.	4	4	4	Square Feet
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE	3	42	42	Square Feet

General Comments

Span 3 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	2,380	2,324	0	56	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	AT THE NORTH APPROACH, FULL WIDTH TRANSVERSE CRACKING UP TO 1/8"W	3	56	56	Square Feet

General Comments

Span 3 — Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	43	42	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	

General Comments

Span 3 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each

515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each

515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Near Bearing

Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	3	1	1	Each
515	Effectiveness (Steel Protective Coatings)	SURFACE CORROSION WITH SCATTERED LAYERED RUST IN AREAS OF PC FAILURE	4	1	1	Square Feet

General Comments

Span 3 — Expansion Joint

Compression Seal

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
302	Compression Joint Seal	60	60	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

NOT VISIBLE

Bent 1 — 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	58	24	0	34	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	NORTH FACE, HORIZONTAL CRACKING UP TO 3/16"W WITH EFFLO AND RUST STAINING, SCATTERED.	3	20	20	Feet

234	Delamination/Spall	NORTH FACE AT BAY 1, TOP 4" OF THE CAP, HORIZONTAL SPALLING WITH EXPOSED RESTEEL, APPROX 4'LX 3"W X UP TO 3"D.	3	4	4	Feet
234	Efflorescence/Rust Staining	NORTH FACE, HORIZONTAL CRACKING UP TO 3/16"W WITH EFFLO AND RUST STAINING, SCATTERED.	3	10		Feet

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	66	58	0	8	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	RT END OF THE CAP FACE, HORIZONTAL CRACKING UP TO 1/8"W	3	8	8	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	58	0	12	43	3	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Patched Area	LT END OF THE CAP, PATCHED AREA (FORMERLY SPALLED) HAS FAILED EXPOSING THE RESTEEL. THE RESTEEL HAS PITTING UP TO 1/32". THE SPALLED AREA HAS UNDERMINED APPROX 3SQIN OF THE BEARING AREA OF SPAN 2, BEAM 1. THE SPALLED AREA HAS REACHED THE BEARING AREA OF SPAN 3, BEAM 1, BUT HAS NOT YET UNDERMINED IT. PMAINT.	4	3	3	Feet
234	Cracking (RC and Other)	NORTH FACE, TOP 6" OF CAP, HORIZONTAL CRACKING UP TO 3/16"W IS SCATTERED ALONG THE LENGTH OF THE CAP. THE AREA ABOVE THE CRACKING IS DELAMINATED.	3	12	12	Feet
234	Cracking (RC and Other)	RT AND LT ENDS OF THE CAP, LOWER SIDES, HORIZONTAL AND MAP CRACKING UP TO 1/8"W WITH EFFLO BUILD-UP AND RUST STAINING.	3	8	8	Feet
234	Cracking (RC and Other)	SOUTH FACE OF THE CAP, MAP CRACKING UP TO 1/8"W WITH EFFLOL STAINING, SCATTERED.	3			Feet
234	Delamination/Spall	NORTH FACE, TOP 6" OF THE CAP AT BAYS 2-3, HORIZONTAL SPALLING, APPROX 10'L X 3"W X UP TO 2"D. THE AREA ABOVE HAS DELAMINATED.	3	10	10	Feet
234	Delamination/Spall	SOUTH FACE, TOP OF THE CAP AT BEAMS 4-5, HORIZONTAL SPALLING, APPROX 5'L X 3"W X UP TO 4"D EXPOSING THE RESTEEL.	3	5	5	Feet
234	Efflorescence/Rust Staining	RT AND LT ENDS OF THE CAP, LOWER SIDES, HORIZONTAL AND MAP CRACKING UP TO 1/8"W WITH EFFLO BUILD-UP AND RUST STAINING.	3	8	8	Feet
234	Delamination/Spall	NORTH FACE, TOP 6" OF CAP, HORIZONTAL CRACKING UP TO 3/16"W IS SCATTERED ALONG THE LENGTH OF THE CAP. THE AREA ABOVE THE CRACKING IS DELAMINATED.	2	12	12	Feet

General Comments

12 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.
NORTH FACE - 1/8"" TO 3/16"" WIDE CRACK TO NORTH FACE OF CAP EXTENDS FROM BEAM 3 TO BEAM 5 AT 6"" DOWN FROM TOP.
ADJ. AREAS ARE SOUND AT THIS TIME.
4 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.
4" LONG X 1/8"" WIDE CRACK TO CAP BETWEEN BEAMS 6 AND 7 WITH ADJ. AREAS SOUNDING DELAM. WHEN STRUCK WITH HAMMER.

6 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.
6" LONG X 1/8"" TO 3/16"" WIDE CRACK AT 4"" TO 8"" DOWN FROM TOP BETWEEN BEAMS 7 AND 8 HOWEVER PREVIOUSLY REPAIRED AREA BENEATH BEAM 8 MAKES IT IMPOSSIBLE TO SEE WHERE CRACK ENDS DUE TO FORM BEING LEFT IN PLACE.
7 Feet of Delamination/Spall/Patched Area: Spall greater than 1 inch deep or greater than 6 inches in diameter. PAtched area that is unsound or showing distress. Condition does not warrant structural Review
NORTH FACE - 7" LONG X 8"" HIGH X 8"" DEEP AREA OF SPALLING TO LOWER PORTION OF CAP WITH RUSTED REINF. EXPOSED.
AREA INCLUDES PORTION BELOW BEAM 2.
10 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.
NORTH FACE - 10" LONG X 3/16"" TO 1/4"" WIDE AREA OF CRACKING TO CAP STARTING AT END OF PREVIOUSLY SPALLED AREA BENEATH BEAM 1 AND EXTENDS TO BEAM 3.
4 Feet of Delamination/Spall/Patched Area: Spall greater than 1 inch deep or greater than 6 inches in diameter. PAtched area that is unsound or showing distress. Condition does not warrant structural Review
SOUTH FACE - 4" LONG X 8"" WIDE X 8"" DEEP AREA OF SPALLING TO CAP BETWEEN BEAMS 4 AND 5 WITH RUSTED REINF. EXPOSED.
4 Feet of Cracking (RC and Other): Width greater than 0.05 in. or spacing of less than 1 ft.
SOUTH FACE - 1/2"" WIDE CRACK EXTENDS FROM WEST END OF CAP TO BENEATH BEAM 3.
4 Feet of Delamination/Spall/Patched Area: Spall greater than 1 inch deep or greater than 6 inches in diameter. PAtched area that is unsound or showing distress. Condition does not warrant structural Review
AREA OF SPALLING 1" HIGH X UP TO 8"" DEEP TO WESTMOST 4" OF CAP INCLUDING AREA BAK TO BUT NOT BENEATH BEARING PLATE FOR BEAM 1 AT THIS TIME.
RUSTED REINF. IS EXPOSED. IN SPALLED AREA.

Bent 2 — Pile 1

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Cracking (RC and Other)	COLUMN CORNERS, VERTICAL CRACKING UP TO 3/8"W RUNS APPROX 3/4 OF THE HEIGHT. APPROX 5SQFT OF DELAM IS ADJACENT TO THE CRACKING.	3	1	12	Each
205	Delamination/Spall	COLUMN CORNERS, VERTICAL CRACKING UP TO 3/8"W RUNS APPROX 3/4 OF THE HEIGHT. APPROX 5SQFT OF DELAM IS ADJACENT TO THE CRACKING.	2		5	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)	AT THE CORNERS, VERTICAL CRACKING UP TO 1/8"W, SCATTERED ALONG THE HEIGHT.	3	1		Each

General Comments

Bent 2 — Pile 3

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Cracking (RC and Other)	AT THE CORNERS, VERTICAL CRACKING UP TO 1/8"W, SCATTERED ALONG THE HEIGHT.	3	1		Each

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	63	39	24	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Efflorescence/Rust Staining	BAY 1, SCATTERED EFFLO STAINING	2	24		Feet

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	3213
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	54
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	54
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	54
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	54
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	54
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	54
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	54
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	54
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	54
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	54
Span 1	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	54
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	3024
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2083
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	34
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	34
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	34
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	34
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	34
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	34
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	34
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	34
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	35
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	35
Span 2	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	35
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1960
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2529
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	42
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	42
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	42
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	42
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	42
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	42
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	42
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	42
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	43
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	43
Span 3	Median Rail	Concrete Railing	Reinforced Concrete Bridge Railing	43
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2380
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Bent 1		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	58
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1		Reinforced Concrete Column	Reinforced Concrete Column	1

Elements Verfied

Location	Name	Component	Element Name	Amount
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	66
End Bent 1		Reinforced Concrete Abutment	Reinforced Concrete Abutment	63
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	58
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2		Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	66
End Bent 2		Reinforced Concrete Abutment	Reinforced Concrete Abutment	63

General Inspection Notes

Span 2	Expansion Joint
NOT VISIBLE	
Span 3	Expansion Joint
NOT VISIBLE	

National Bridge and NC Inspection Items

Structure Number: 430095 **Inspection Date:** 03/07/2017

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**6**
Item 59: Superstructure	0 - 9 , N	**6**
Item 60: Substructure	0 - 9 , N	**4**
Item 61: Channel and Channel Protection	0 - 9 , N	**N**
Item 62: Culvert	0 - 9 , N	**N**
Item 71: Waterway Adequacy	0 - 9 , N	**N**
Item 72: Approach Roadway Alignment	0 - 9 , N	**8**

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	**G**	**0**	**3376**
Drainage System	G, F, P, or C	**G**	**0**	**3332**
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C		**0**	**3352**
Scour	G, F, P, or C			
Wingwall	G, F, P, or C	**G**	**0**	**3350**
Field Scour Evaluation				
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		**A**		

Note: If NC SMU Insepction 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	**14**
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: 430095 **Inspection Date:** 03/07/2017

Item Substructure - Item 60 **Grade** 4 **Maint Code** **Qty.** 0

Details EXCESSIVE DETERIORATION IN THE BENTS. BENT 2 CAP LT END HAS SPALLED TO THE POINT OF UNDERMINING BEARING AREA OF SPAN 2, BEAM 1.

Span 1 Deck: UNDERSIDE OF THE DECK OVERHANGS, SCATTERED DELAM; TYP

OUTBOARD BEAMS, SURFACE CORROSION ALONG THE LENGTH OF THE LOWER FLANGE IN AREAS OF PC FAILURE

Span 1 Deck: UNDERSIDE OF THE DECK, HL TRANSVERSE CRACKING WITH EFFLO STAINING, SCATTERED; TYP

INBOARD BEAMS, SCATTERED FRECKLED CORROSION

Span 1 Wearing Surface: AT THE SPAN ENDS, FULL WIDTH TRANSVERSE CRACKING UP TO 1/4"W

Span 1 Deck: LT DECK OVERHANG, APPROX 1SQFT SPALL WITH EXPOSED RESTEEL, UP TO 1"D.

Span 1 Wearing Surface: AT BENT 1, SCATTERED SPALLING UP TO 2"D ALONG THE JOINT

Span 2 Wearing Surface: AT BENT 2, SCATTERED SPALLING UP TO 2"D ALONG THE JOINT TOTALING APPROX 3SQFT

Span 2 Wearing Surface: SCATTERED MAP CRACKING UP TO 1/16"W

Span 3 Wearing Surface: AT THE NORTH APPROACH, FULL WIDTH TRANSVERSE CRACKING UP TO 1/8"W

NW CORNER, GR FASTENERS ARE LOOSE OR MISSING.

NW CORNER, CONCRETE CURBING HAS DISINTEGRATED EXPOSING RESTEEL FOR APPROX 3'L.

Span 1 Deck: RT & LT ENDS, HORIZONTAL HL CRACKING WITH RUST STAINING, SCATTERED

End Bent 2 Abutment/Backwall : BAY 1, SCATTERED EFFLO STAINING

End Bent 2 Cap 1: RT END OF THE CAP FACE, HORIZONTAL CRACKING UP TO 1/8"W

Span 1 Wearing Surface: AT BENT 1, SCATTERED SPALLING UP TO 2"D ALONG THE JOINT TOTALING APPROX 56SQFT

NBL AT BENT 1, METAL PLATEOVER THE JOINT HAS BEEN EXPOSED IN AREAS OF AWS LOSS.

Span 2 Wearing Surface: AT BENT 2, SCATTERED SPALLING UP TO 2"D ALONG THE JOINT TOTALING APPROX 6SQFT

RT RAIL AT BENT 2, RC RAIL REPAIR FOR APPROX 20'L

NE CORNER, CONCRETE CURBING HAS BEEN DAMAGED AND BROKEN EXPOSING RESTEEL FOR APPROX 2'L.

AT BENT 2, CONCRETE END DIAPHRAGMS ARE TYPICALLY CRACKED AND SPALLED EXPOSING RESTEEL. THE OUTBOARD ENDS HAVE DISINTEGRATED EXPOSING THE RESTEEL FULLY.

AT BENT 2, CONCRETE END DIAPHRAGMS ARE TYPICALLY CRACKED AND SPALLED EXPOSING RESTEEL. THE OUTBOARD ENDS HAVE DISINTEGRATED EXPOSING THE RESTEEL FULLY (INBOARD VIEW OF CRACKING).

OUTBOARD BEAM ENDS AT BENT 2 HAVE SURFACE CORROSION WITH PITTING UP TO 1/16" AND LAYERED RUST.

Span 3 Beam 8: BEAM END AT BENT 2 HAS SURFACE CORROSION WITH PITTING UP TO 1/16" AND LAYERED RUST FOR APPROX 2'L.

INBOARD BEAM ENDS AT BENT 2 HAVE SCATTERED SURFACE CORROSION

Bent 2 Cap 1: NORTH FACE, TOP 6" OF CAP, HORIZONTAL CRACKING UP TO 3/16"W IS SCATTERED ALONG THE LENGTH OF THE CAP. THE AREA ABOVE THE CRACKING IS DELAMINATED.

Bent 2 Cap 1: RT AND LT ENDS OF THE CAP, LOWER SIDES, HORIZONTAL AND MAP CRACKING UP TO 1/8"W WITH EFFLO BUILD-UP AND RUST STAINING.

Bent 2 Cap 1: RT AND LT ENDS OF THE CAP, LOWER SIDES, HORIZONTAL AND MAP CRACKING UP TO 1/8"W WITH EFFLO BUILD-UP AND RUST STAINING.

Bent 2 Cap 1: NORTH FACE, TOP 6" OF CAP, HORIZONTAL CRACKING UP TO 3/16"W IS SCATTERED ALONG THE LENGTH OF THE CAP. THE AREA ABOVE THE CRACKING IS DELAMINATED.

Span 3 Beam 1: BEAM END AT BENT 2, CORROSION WITH APPROX 30% SECTION LOSS (AVG 5/16" REMAINS) IN THE LOWER 2" OF THE WEB FOR APPROX 2'L. PMAINT.

Bent 2 Cap 1: LT END OF THE CAP, PATCHED AREA (FORMERLY SPALLED) HAS FAILED EXPOSING THE RESTEEL. THE RESTEEL HAS PITTING UP TO 1/32". THE SPALLED AREA HAS UNDERMINED APPROX 3SQIN OF THE BEARING AREA OF SPAN 2, BEAM 1. THE SPALLED AREA HAS REACHED THE BEARING AREA OF SPAN 3, BEAM 1, BUT HAS NOT YET UNDERMINED IT. PMAINT.

Bent 2 Cap 1: LT END OF THE CAP, PATCHED AREA (FORMERLY SPALLED) HAS FAILED EXPOSING THE RESTEEL. THE RESTEEL HAS PITTING UP TO 1/32". THE SPALLED AREA HAS UNDERMINED APPROX 3SQIN OF THE BEARING AREA OF SPAN 2, BEAM 1. THE SPALLED AREA HAS REACHED THE BEARING AREA OF SPAN 3, BEAM 1, BUT HAS NOT YET UNDERMINED IT. PMAINT.

Bent 2 Cap 1: LT END OF THE CAP, PATCHED AREA (FORMERLY SPALLED) HAS FAILED EXPOSING THE RESTEEL. THE RESTEEL HAS PITTING UP TO 1/32". THE SPALLED AREA HAS UNDERMINED APPROX 3SQIN OF THE BEARING AREA OF SPAN 2, BEAM 1. THE SPALLED AREA HAS REACHED THE BEARING AREA OF SPAN 3, BEAM 1, BUT HAS NOT YET UNDERMINED IT. PMAINT.

Bent 2 Cap 1: LT END OF THE CAP, PATCHED AREA (FORMERLY SPALLED) HAS FAILED EXPOSING THE RESTEEL. THE RESTEEL HAS PITTING UP TO 1/32". THE SPALLED AREA HAS UNDERMINED APPROX 3SQIN OF THE BEARING AREA OF SPAN 2, BEAM 1. THE SPALLED AREA HAS REACHED THE BEARING AREA OF SPAN 3, BEAM 1, BUT HAS NOT YET UNDERMINED IT. PMAINT.

Bent 2 Cap 1: NORTH FACE, TOP 6" OF THE CAP AT BAYS 2-3, HORIZONTAL SPALLING, APPROX 10'L X 3"W X UP TO 2"D. THE AREA ABOVE HAS DELAMINATED.

BENT 2 RT END, VIEW OF PREVIOUS REPAIR

Bent 2 Cap 1: SOUTH FACE, TOP OF THE CAP AT BEAMS 4-5, HORIZONTAL SPALLING, APPROX 5'L X 3"W X UP TO 4"D EXPOSING THE RESTEEL.

Bent 2 Cap 1: SOUTH FACE OF THE CAP, MAP CRACKING UP TO 1/8"W WITH EFFLOL STAINING, SCATTERED.

BENT 2, VIEW OF SPALLED CONCRETE END DIAPHRAGMS (LT OUTBOARD END)

Bent 1 Cap 1: NORTH FACE AT BAY 1, TOP 4" OF THE CAP, HORIZONTAL SPALLING WITH EXPOSED RESTEEL, APPROX 4'LX 3"W X UP TO 3"D.

Bent 1 Cap 1: NORTH FACE, HORIZONTAL CRACKING UP TO 3/16"W WITH EFFLO AND RUST STAINING, SCATTERED.

Bent 1 Cap 1: NORTH FACE, HORIZONTAL CRACKING UP TO 3/16"W WITH EFFLO AND RUST STAINING, SCATTERED.

Bent 2 Pile 1: COLUMN CORNERS, VERTICAL CRACKING UP TO 3/8"W RUNS APPROX 3/4 OF THE HEIGHT. APPROX 5SQFT OF DELAM IS ADJACENT TO THE CRACKING.

Bent 2 Pile 1: COLUMN CORNERS, VERTICAL CRACKING UP TO 3/8"W RUNS APPROX 3/4 OF THE HEIGHT. APPROX 5SQFT OF DELAM IS ADJACENT TO THE CRACKING.

BENT 2, LOWER STRUTS HAVE HORIZONTAL CRACKING UP TO 1/4"W AT THE CORNERS.

Bent 2 Pile 2: AT THE CORNERS, VERTICAL CRACKING UP TO 1/8"W, SCATTERED ALONG THE HEIGHT.

Bent 2 Pile 3: AT THE CORNERS, VERTICAL CRACKING UP TO 1/8"W, SCATTERED ALONG THE HEIGHT.

ABUT 1

TYP BEARING AT THE ABUTS

RC WING, FOUR CORNERS

SOUTH APPROACH, NBL

SOUTH APPROACH, TRANSITION FROM RC BARRIER TO RC MEDIAN RAIL. NORTH APPROACH IS SIMILAR.

SE CORNER, GR TIED TO EXTENDED RAIL RUN

SOUTH APPROACH, SBL

NE CORNER, NO GR

LOOKING SOUTH, SBL

LOOKING NORTH, SBL

NW CORNER, DATA PLATE

SE & NW CORNERS, TYP GR CONNECTION

NW CORNER, GR TIED TO EXTENDED RAIL RUN

NORTH APPROACH, SBL

ABUT 2

LOOKING SOUTH, NBL

LOOKING NORTH, NBL

NORTH APPROACH, NBL

NE CORNER, NO GR

TYP BEARINGS AT BENTS

BENT 2

LOOKING WEST

LOOKING EAST

BENT 1

NATIONAL BRIDGE INVENTORY-------- STRUCTURE INVENTORY AND APPRAISAL Run Date: 10/24/2017

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **430095**
(8) STRUCTURE NUMBER(FEDERAL) 000000000870095
(5) INVENTORY ROUTE (ON/UNDER) - ON 27000740
(2) STATE HIGHWAY DEPARTMENT DISTRICT 2
(3) COUNTY CODE 87 (4) PLACE CODE 13280
(6) FEATURE INTERSECTED - SOUTHERN RAILROAD
(7) FACILITY CARRIED US74
(9) LOCATION .3 MI.N.JCT.US19,23,74
(11)MILEPOINT 0
(16)LAT 35° 31' 58.19" (17)LONG 82° 55' 18.96"
(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 - CODE
(B) TYPE OF MEMBRANE - CODE
(C) TYPE OF DECK PROTECTION - CODE

AGE AND SERVICE

(27) YEAR BUILT 1961
(106)YEAR RECONSTRUCTED 1989
(42) TYPE OF SERVICE : ON - Highway
UNDER - Railroad CODE 12
(28) LANES: ON STRUCTURE 4 UNDER STRUCTURE 0
(29) AVERAGE DAILY TRAFFIC 27000
(30) YEAR OF ADT 2014 (109) TRUCK ADT PCT 12%
(19) BYPASS OR DETOUR LENGTH 7 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 53 FT
(49) STRUCTURE LENGTH 132 FT
(50)CURB OR SIDEWALK: LEFT 1.5 FT RIGHT 1.5 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 56 FT
(52) DECK WIDTH OUT TO OUT 61.33 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 57 FT
(33) BRIDGE MEDIAN - No Median CODE 3
(34) SKEW 12° (35) STRUCTURE FLARED 1
(10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 27 FT
(53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
(54) MIN VERT UNDERCLEAR REF Railroad 34.333 FT
(55) MIN LAT UNDERCLEAR RT REF Railroad 15.5 FT
(56) MIN LAT UNDERCLEAR LT REF - 000 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

SUFFICIENCY RATING = 38.21
STATUS = Structurally Deficient

CLASSIFICATION — CODE

(112)NBIS BRIDGE SYSTEM - YES
(104)HIGHWAY SYSTEM Is on the NHS 1
(26) FUNCTIONAL CLASS - Artierial - Other 12
(100)STRAHNET HIGHWAY - Non-Interstate STRAHNET Route 2
(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 — CODE

(58) DECK 6
(59) SUPERSTRUCTURE 6
(60) SUBSTRUCTURE 4
(61) CHANNEL & CHANNEL PROTECTION N
(62) CULVERTS N

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD HS 20 + MOD 6
(63) OPERATING RATING METHOD - Load Factor 1
(64) OPERATING RATING - HS-32 57
(65) INVENTORY RATING METHOD - Load Factor 1
(66) INVENTORY RATING - HS-19 34
(70) BRIDGE POSTING - No Posting Required 5
(41) STRUCTURE OPEN, POSTED ,OR CLOSED A
DESCRIPTION - Open, No Restriction

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION 4
(68) DECK GEOMETRY 3
(69) UNDERCLEARANCES,VERTI & HORIZ 6
(71) WATERWAY ADEQUACY N
(72) APPROACH ROADWAY ALIGNMENT 8
(36) TRAFFIC SAFETY FEATURES 0111
(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 03/07/2017
(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: 430095 County: HAYWOOD Run Date:

Span Number	Feature Intersected	Inventory Route	Minimum Maximum Vertical Clearance	Milepoint	Base Highway Network	LRS Inventory Route	Toll	Functional Classification	Numer 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	RAILROAD	80000000		0					0	0	0		R	34.33	15.5		9			

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: 10/24/2017

COUNTY : HAYWOOD
DIVISION : 14
DISTRICT: 2
STRUCTURE NUMBER : 430095
LENGTH : 132 FEET

ROUTE CARRIED : US74
FEATURE INTERSECTED : SOUTHERN RAILROAD

LOCATED : .3 MI.N.JCT.US19,23,74
BRIDGE NAME :
CITY : *CLYDE

FUNC. CLASS : 12
SYST.ON : FA
SYST.UNDER : NFA
ADT & YR : 27000 2014
RAIL TYPE : LT 111 RT 111

BUILT : 1961
BY : SHC
PROJ : 8.19430
FED.AID PROJ : F 16(13)
DESIGN LOAD : HS 20 + MOD

REHAB : 1989
BY :
PROJ : 5.9431007
ALIGNMENT : TAN
SKEW : 78
LANES : ON 4 UNDER 0

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

SUPERSTRUCTURE : REINFORCED CONCRETE FLOOR ON I-BEAMS

SUBSTRUCTURE : E.BTS:RC CAPS/H-PILES;INT.BTS:RC POST&BEAM

SPANS : 1 @ 54'; 1 @ 35'; 1 @ 42'-6

BEAMS OR GIRDERS : 8 LINES 33 I-BEAMS @ VAR. CENTERS

FLOOR : 7.75 RC/2 AWS
ENCROACHMENT :
DECK (OUT TO OUT) : 61.33 FT

CLEAR ROADWAY : 56 FT
BETWEEN RAILS : 59 FT
SIDEWALK OR CURB : LT 1.5 FT RT 1.5 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-19
OPE.RTG. : HS-32
CONTR.MEMBER : Int.bmsSpC
POSTED : SV TTST DATE

SYSTEM : Primary U.S. Route
GREEN LINE ROUTE : Y

UNDER ROUTES AND CLEARANCES

		Vertical Clearances		Horizontal Clearances		
Span	**Route Description**	**MMVC**	**MVC**	**Total**	**Left**	**Right**
2	RAILROAD	0	34.3330	0	0	15.50

Note: All measurements are in feet.

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 430095 County HAYWOOD Date: 03/07/2017

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3120	Repair/Maintain Barriers	LF	2	NW CORNER, GR CONNECTION BOLTS (FROM GTO STRUCTURE) ARE MISSING/LOOSE	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 1: BEAM END AT BENT 2, CORROSION WITH APPROX 30% SECTION LOSS (AVG 5/16" REMAINS) IN THE LOWER 2" OF THE WEB FOR APPROX 2'L. PMAINT.	
3348	Maintain Concrete Substructure Components	LF	3	Bent 2 Cap 1: LT END OF THE CAP, PATCHED AREA (FORMERLY SPALLED) HAS FAILED EXPOSING THE RESTEEL. THE RESTEEL HAS PITTING UP TO 1/32". THE SPALLED AREA HAS UNDERMINED APPROX 3SQIN OF THE BEARING AREA OF SPAN 2, BEAM 1. THE SPALLED AREA HAS REACHED THE BEARING AREA OF SPAN 3, BEAM 1, BUT HAS NOT YET UNDERMINED IT. PMAINT.	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430095 County HAYWOOD

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

MMS Code	MMS Description	Quantity
3120	Repair/Maintain Barriers	2 LF

Location:
Left Rail Bent/Span No. 2 NW CORNER GR

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/13/2017	ERIC A, PATTERSON	KEITH PROCTOR

Details
NW CORNER, GR CONNECTION BOLTS (FROM GTO STRUCTURE) ARE MISSING/LOOSE

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2017	ERIC A. PATTERSON	

Details
Span 3 Beam 1: BEAM END AT BENT 2, CORROSION WITH APPROX 30% SECTION LOSS (AVG 5/16" REMAINS) IN THE LOWER 2" OF THE WEB FOR APPROX 2'L. PMAINT.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 430095 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	3 LF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/08/2017	ERIC A. PATTERSON	

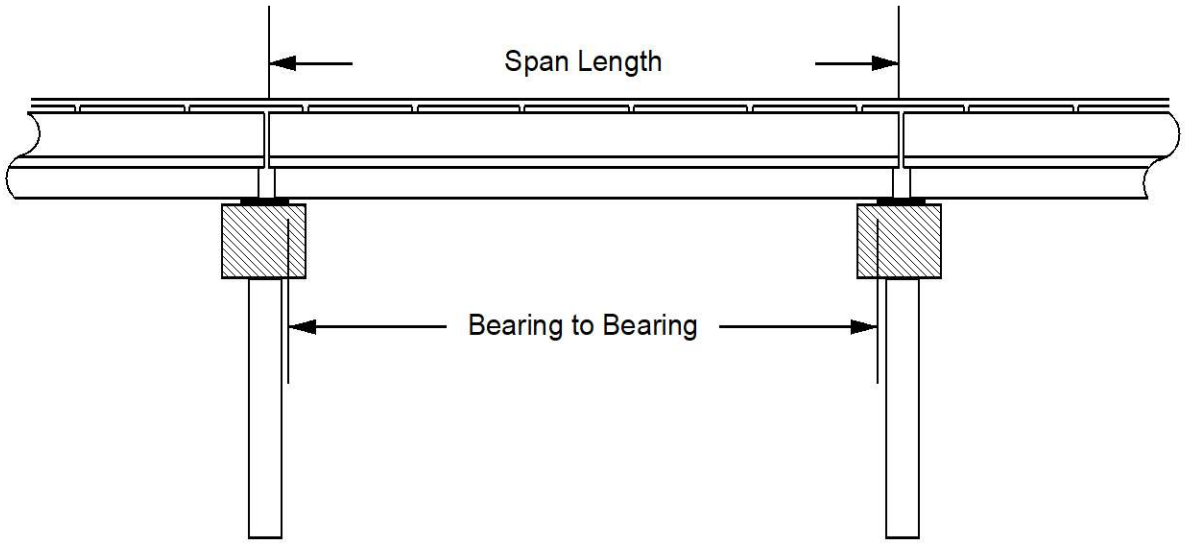
Details

Bent 2 Cap 1: LT END OF THE CAP, PATCHED AREA (FORMERLY SPALLED) HAS FAILED EXPOSING THE RESTEEL. THE RESTEEL HAS PITTING UP TO 1/32". THE SPALLED AREA HAS UNDERMINED APPROX 3SQIN OF THE BEARING AREA OF SPAN 2, BEAM 1. THE SPALLED AREA HAS REACHED THE BEARING AREA OF SPAN 3, BEAM 1, BUT HAS NOT YET UNDERMINED IT. PMAINT.

NW CORNER, GR CONNECTION BOLTS (FROM GTO STRUCTURE) ARE MISSING/LOOSE

Structure Data Worksheet

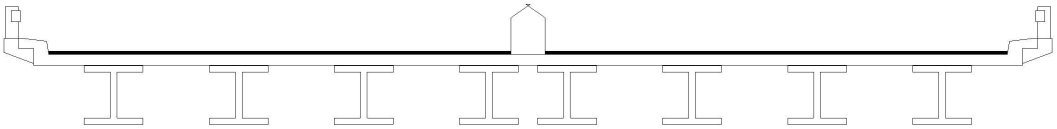
County: HAYWOOD **Structure No:** 430095 **Date:** 03/07/2017 **Inspected By:** EP



Span No	Span Length	Bearing to Bearing	Comments
1	54'	52.167'	
2	35'	34'	
3	42.5'	40.67'	NBIS = 126.5'

Bridge Inspection Field Sketch

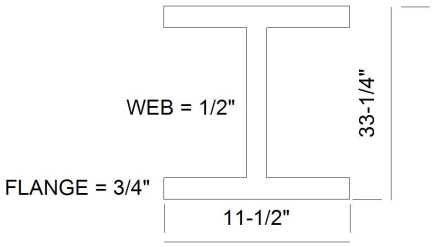
Deck Width/Out to Out	61.33ft*	Between Rails				59ft*
Clear Roadway	56ft	Wearing Surface				0.167ft
Median Width	2ft	Median Height				2.75ft*
Curb Height		Left	0.583ft	Right	0.583ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left	0.67ft	Right	0.67ft	
Top of Rail to Deck/Wearing Surface		Left	2.5ft	Right	2.5ft	
Bridge Rail		Left	Type 11	Right	Type 11	



Measurements for Span #	3		
Deck Thickness	0.646	Left Overhang	4.167
Top of Rail to Bottom of Beam	6	Right Overhang	4.167

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

TYP BEAM

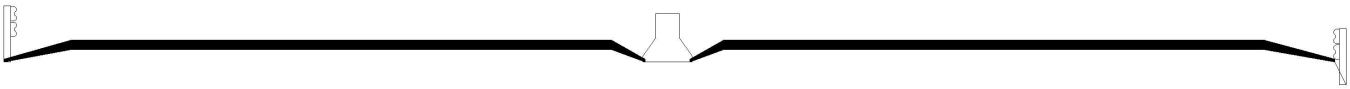


REVISED BY KEITH PROCTOR ON 3-7-2017 (* DENOTES CHANGE)

Title	Description
SUPERSTRUCTURE	TYPICAL SECTION

Bridge No:	Drawn By:	Date:	File Name:
430095	DAVID SANDERS	3/31/15	S0118076636

Bridge Inspection Field Sketch



Left Lanes			
Roadway	24ft Wide	2 Paved Lanes	South Bound
Right Shoulder	3ft Wide	3ft Paved	
Left Shoulder	1.5ft Wide	1.5ft Paved	
Right Guardrail	3ft from road		
Left Guardrail			
Median	2ft Wide	3ft High	
Right Lanes			
Roadway	24ft Wide	2 Paved Lanes	North Bound
Left Shoulder	1.5ft Wide	1.5ft Paved	
Right Shoulder	3.667ft Wide	3.167ft Paved	0.5ft Unpaved
Left Guardrail			
Right Guardrail	3.67ft from road		

MEASUREMENTS TAKEN APPROX 10' BACK FROM THE STRUCTURE AT THE SOUTH APPROACH

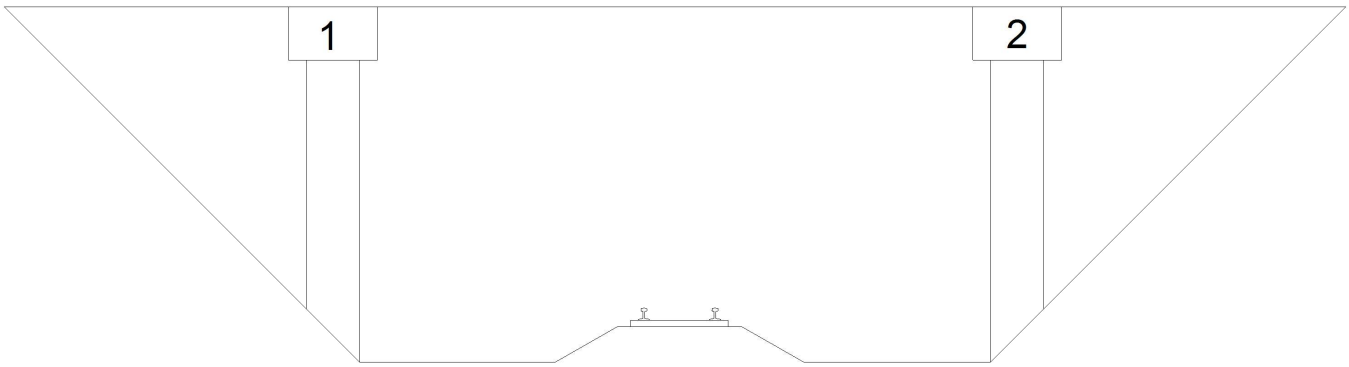
VERIFIED BY KEITH PROCTOR ON 3-7-2017

Title	**Description**
APPROACH	SOUTH APPROACH

Bridge No: 430095	**Drawn By:** DAVID SANDERS	**Date:** 3/31/15	**File Name:** S0118076637

Bridge Inspection Field Sketch

VERIFIED BY DAVID SANDERS 3/31/15

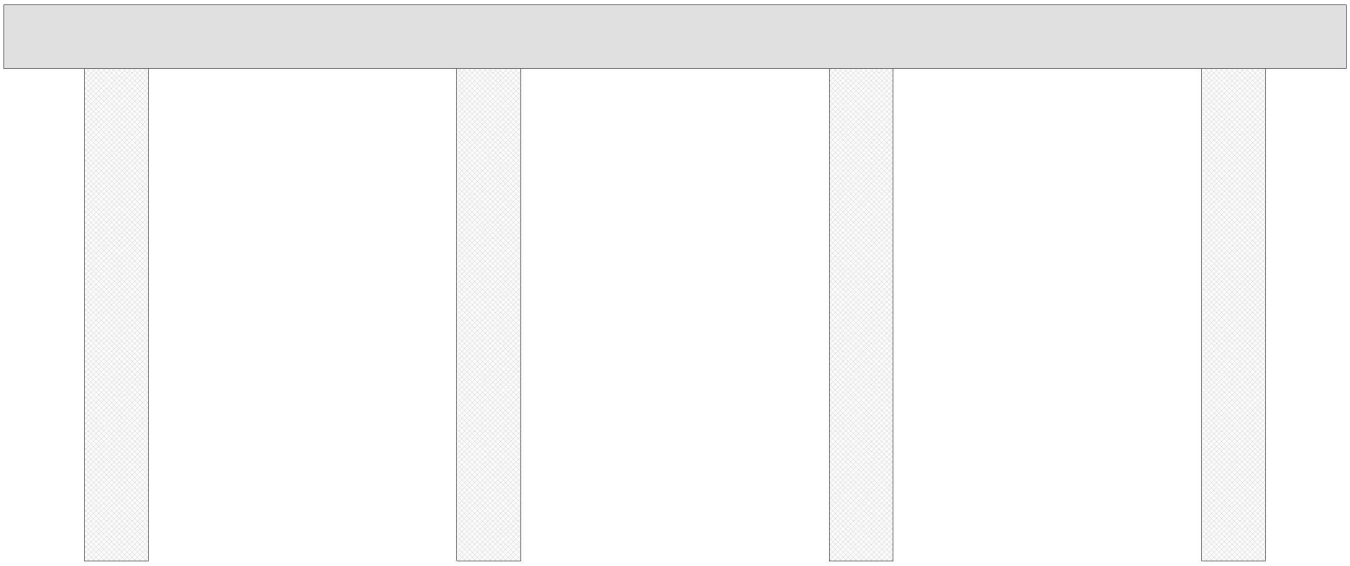


Measurements Under Span 2 (of 3)			
Rail to Rail	4ft	1 set of tracks	Looking: WEST
Vertical Clearance	34.333ft	Measured from rail 1	at Beam # 1
Distance to Left Bent	16ft		
Distance to Left Toe of Slope			
Distance to Right Bent	15.5ft		
Distance to Right Toe of Slope			

VERIFIED BY KEITH PROCTOR ON 3-7-2017

Title	**Description**		
UNDERCLEARANCE	RR CLEARANCE		
Bridge No: 430095	**Drawn By:** DAVID SANDERS	**Date:** 3/31/15	**File Name:** S0118076638

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.
57.667 ft.	2.750 ft.	2.750 ft.	4.830 ft.	4.830 ft.	1.417 ft.	1.417 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	16 ft.	2.75 ft.	2.75 ft.		Vertical	No	No	No	No
2	Concrete	16 ft.	2.75 ft.	2.75 ft.		Vertical	No	No	No	No
3	Concrete	16 ft.	2.75 ft.	2.75 ft.		Vertical	No	No	No	No
4	Concrete		2.75 ft.	2.75 ft.		Vertical	No	No	No	No

Bent/Abutment #: 1 Similar Bents: 2

Title	**Description**
SUBSTRUCTURE	BENTS 1-2

Bridge No: 430095	**Drawn By:** ERIC A. PATTERSON	**Date:** 3/13/2017	**File Name:** S0438000115