NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINTENANCE ISSUED

Structure Safety Report

Routine Element Inspection

INSPECTION DATE: 02/07/2019

DIVISION: 4 **COUNTY:** EDGECOMBE **STRUCTURE NUMBER:** 320004 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: SR1404 **MILE POST:**

LOCATION: 0.5 MI. N. JCT. SR1411

FEATURE INTERSECTED: SWIFT CREEK

LATITUDE: 36° 3' 28.53" **LONGITUDE:** 77° 40' 57.63"

SUPERSTRUCTURE: REINFORCED CONCRETE FLOOR ON I-BEAMS & ENCASED I-BEAMS

SUBSTRUCTURE: ABUTS:RC FULL HEIGHT;INT.BTS:RC SOLID PIERS

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

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

NBI GRADES: **DECK** 6 **SUPERSTRUCTURE** 4 **SUBSTRUCTURE** 6 **CULVERT** N

POSTED SV: 15 **POSTED TTST:** 20

OTHER SIGNS PRESENT: 4 DELINEATORS

LOOKING NORTH

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
Willis C May	Willis C May	Phillip D Carr

Structure Element Scoring

Structure Number: **320004**

Inspection Date **2/7/2019**

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12	0	Reinforced Concrete Deck	Deck	3420	3127	287	6	0
107	0	Steel Open Girder/Beam	Beam	1250	744	423	83	0
515	107	Steel Protective Coating	Beam	2017	1107	0	0	910
521	107	Concrete Protective Coating	Beam	82	80	0	2	0
205	0	Reinforced Concrete Column	Piles and Columns	8	0	8	0	0
215	0	Reinforced Concrete Abutment	Abutments	94	42	52	0	0
226	0	Prestressed Concrete Pile	Piles and Columns	7	0	7	0	0
227	0	Reinforced Concrete Pile	Piles and Columns	1	0	1	0	0
234	0	Reinforced Concrete Pier Cap	Caps	112	76	29	7	0
316	0	Other Bearings	Bearing Device	32	0	32	0	0
515	316	Steel Protective Coating	Bearing Device	32	0	0	0	32
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	250	250	0	0	0
510	0	Wearing Surface	Wearing Surfaces	3000	2856	144	0	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **320004** Inspection Date: **02/07/2019**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	28 Square Feet
3314	Steel Open Girder/Beam	Corrosion	83 Feet
3348	Reinforced Concrete Pier Cap	Exposed Rebar	4 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	24 Feet
2816	Wearing Surface	Crack (Wearing Surface)	144 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	942 Square Feet
5603	Concrete Protective Coating	Effectiveness (Concrete Protective Coatings)	2 Square Feet

Element Structure Maintenance Quantities

Structure Number: **320004** Inspection Date **02/07/2019**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	0	94	0	0	52	42
Beam	3314	Maintenance Steel Superstructure Components	83	1250	0	83	423	744
Beam	3342	Clean and Paint Steel	910	2017	910	0	0	1107
Beam	5603	Partial Cleaning and Painting of Structural Steel	2	82	0	2	0	80
Bearing Device	3334	Bridge Bearing	0	32	0	0	32	0
Bearing Device	3342	Clean and Paint Steel	32	32	32	0	0	0
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	0	250	0	0	0	250
Caps	3348	Maintenance of Concrete Substructure	28	112	0	7	29	76
Deck	3326	Maintenance of Concrete Deck	28	3420	0	6	287	3127
Piles and Columns	3348	Maintenance of Concrete Substructure	0	16	0	0	16	0
Wearing Surfaces	2816	Asphalt Surface Repair	144	3000	0	0	144	2856

Element Condition and Maintenance Data

Structure Number: **320004** Inspection Date: **02/07/2019**

Span 1 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	684	634	50	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Abrasion/Wear (PSC/RC)	ABRASION CURBS	2	50		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	25	0	20	5	0	Feet
515	Steel Protective Coating	105	55	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BENT 1 BOTTOM FLANGE 1/8 IN REMAINING 4 FOOT LONG, WEB 5/16 IN REMAINING 3 IN HIGH PRIORITY MAINTENANCE ISSUED	3	4	4	Feet
107	Corrosion	SECTION LOSS BOTTOM FLANGE ABUTMENT 1 - 1/4 IN REMAINING 2 IN LONG PRIORITY MAINTENANCE ISSUED	3	1	1	Feet
107	Corrosion	SURFACE RUST FLANGES AND WEB	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	50	50	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	25	0	22	3	0	Feet
515	Steel Protective Coating	105	55	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BOTTOM FLANGE ABUTMENT 1 2 IN LONG 1/4 IN REMAINING PRIORITY MAINTENANCE ISSUED	3	1	1	Feet
107	Corrosion	SECTION LOSS WEB BENT 1 HOLE 4 IN HIGH X 8 IN LONG IN END, BOTTOM FLANGE 100 % SECTION LOSS 3/4 IN WIDE X 16 IN LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST FLANGES AND WEB	2	22		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	50	50	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	25	25	0	0	0	Feet
521	Concrete Protective Coating	82	80	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
521	Effectiveness (Concrete Protective Coatings)	CONCRETE CRACKING	3	2	2	Square Feet

General Comments

Span 1 Beam 9

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	25	0	23	2	0	Feet
515	Steel Protective Coating	105	65	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS WEB BENT 1 - HOLE 2 IN HIGH X 8 IN LONG , BOTTOM FLANGE 100 % SECTION LOSS 1 N WIDE X 1 FOOT LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST FLANGES AND WEB	2	23		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED COATING.	4	40	40	Square Feet

General Comments

Span 1 Beam 10

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	25	0	23	2	0	Feet
515	Steel Protective Coating	105	65	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BOTTOM FLANGE BENT 1 100 % 1 IN WIDE 16 IN LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST FLANGES AND WEB	2	23		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED COATING.	4	40	40	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	600	552	48	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

510	Crack (Wearing Surface)	TRANSVERSE CRACKING OVER BENT 1 SIMILAR	END BENT 1	2	48	48	Square Feet

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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	1	1	Square Feet

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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	1	1	Square Feet

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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	1	1	Square Feet

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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	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	684	613	65	6	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Delamination/Spall	5' LONG X 3" DEEP SPALL IN RIGHT SIDE OF DECK OVER INTERIOR BENT 1. 1' LONG X 3" DEEP SPALL IN RIGHT SIDE OF DECK OVER BENT 2.	3	6	6	Square Feet
12	Abrasion/Wear (PSC/RC)	ABRASION CURBS	2	50		Square Feet
12	Efflorescence/Rust Staining	EFFLO LEAKAGE IN BOTTOM OF DECK BAY 5	2	15		Square Feet

General Comments

Span 2 — Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	25	0	21	4	0	Feet
515	Steel Protective Coating	107	67	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BOTTOM FLANGE AT BENT 2 -100 % 1 IN WIDE X 2 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS EDGE BOTTOM FLANGE BENT 1 KNIFE EDGE 1/16 IN REMAINING, 5/16 IN REMAINING WEB 5 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST FLANGES AND WEB	2	21		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED COATING.	4	40	40	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	25	0	21	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BENT 1 WEB - HOLE 6 IN WIDE X 6 IN HIGH REST OF AREA 1/16 IN REMAINING, SECTION LOSS BEAM 1/8 IN REMAINING 1 FOOT LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS WEB BENT 2 - HOLE 2 IN X 8 IN LONG BOTTOM FLANGE 100 % SECTION LOSS 1 IN WIDE X 16 IN LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	21		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	25	23	2	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	RUST BOTTOM FLANGE IN SPALLED COATING AREA	2	2		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	25	0	18	7	0	Feet
515	Steel Protective Coating	107	67	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BEAM BENT 2 - 2" DIAMETER HOLE 100 % 1 IN WIDE X 3 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH PRIORITY MAINTENANCE ISSUED	3	3	3	Feet
107	Corrosion	SECTION LOSS BOTTOM FLANGE AT BENT 1 -100 % 1 IN WIDE X 4 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH PRIORITY MAINTENANCE ISSUED	3	4	4	Feet
107	Corrosion	SURFACE RUST	2	18		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED COATING.	4	40	40	Square Feet

General Comments

Span 2 — Beam 10

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	25	0	19	6	0	Feet
515	Steel Protective Coating	107	67	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS 1/8 IN REMAINING 2 FOOT LONG BOTTOM FLANGE BENT 1 PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS BOTTOM FLANGE BENT 2 -1/8 IN REMAINING 4 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH X 4 FOOT LONG PRIORITY MAINTENANCE ISSUED	3	4	4	Feet
107	Corrosion	SURFACE RUST FLANGES , WEB	2	19		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILING	4	40	40	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	600	576	24	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE CRACK BENT 2	2	24	24	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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each

515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	1	1	Square Feet

General Comments

Span 3 — Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	684	630	54	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Abrasion/Wear (PSC/RC)	ABRASION CURBS	2	50		Square Feet
12	Delamination/Spall	SMALL SURFACE SPALLS IN BOTTOM OF DECK	2	4	4	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	25	0	21	4	0	Feet
515	Steel Protective Coating	107	57	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS 100 % BENT 3 BOTTOM FLANGE 1 IN WIDE X 2 FOOT LONG , WEB 5/16 IN REMAINING 4 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS EDGE BENT 2 BOTTOM FLANGE 100 % -1 IN WIDE X 2 FOOT LONG , 5/16 IN REMAINING WEB 2 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST FLANGES , WEB	2	21		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	50	50	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	25	0	21	4	0	Feet
515	Steel Protective Coating	107	57	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BENT 2 BOTTOM FLANGE 1/8 IN REMAINING 2 FOOT PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS WEB BENT 3 - HOLE 4 IN X 12 IN , SECTION LOSS BOTTOM FLANGE 100 % 1 IN WIDE X 12 IN LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST WEB FLANGES	2	21		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	50	50	Square 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	25	0	20	5	0	Feet
515	Steel Protective Coating	107	67	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BENT 2 WEB - HOLE 3 IN X 5 IN , SECTION LOSS BOTTOM FLANGE 100 % 1 IN WIDE X 3 FOOT LONG PRIORITY MAINTENANCE ISSUED	3	3	3	Feet
107	Corrosion	SECTION LOSS BENT 3 WEB - HOLE 3 IN X 10 IN HIGH , SECTION LOSS BOTTOM FLANGE 100 % 1 IN WIDE X 16 IN LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILING	4	40	40	Square Feet

General Comments

Span 3 Beam 10

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	25	0	19	6	0	Feet
515	Steel Protective Coating	107	57	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS 100 % 1 IN WIDE X 18 IN LONG AT BENT 3 BOTTOM FLANGE, 1/4 IN REMAINING WEB 4 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS EDGE BOTTOM FLANGE BENT 2 100 % 1/2 IN WIDE X 4 FOOT LONG , 5/16 IN REMAINING WEB 5 IN HIGH PRIORITY MAINTENANCE ISSUED	3	4	4	Feet
107	Corrosion	SURFACE RUST	2	19		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILING	4	50	50	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	600	576	24	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE CRACK BENT 3	2	24	24	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	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	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	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	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	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	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	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	1	1	Square Feet

General Comments

Span 4 — Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	684	632	52	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Abrasion/Wear (PSC/RC)	ABRASION CURBS	2	50		Square Feet

12	Delamination/Spall	2' LONG X 2" WIDE SURFACE SPALL WITH EXPOSED STEEL UNDER BAY 7 AT BENT 4	2	2	2	Square Feet

General Comments

Span 4 Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	25	0	21	4	0	Feet
515	Steel Protective Coating	107	37	0	0	70	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BENT 3 BOTTOM FLANGE 100 % 1 IN WIDE X 2 FOOT LONG , WEB 5/16 IN REMAINING 4 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS BENT 4 BOTTOM FLANGE 100 % 1/2 IN WIDE X 18 IN LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST WEB, FLANGES	2	21		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILING	4	70	70	Square Feet

General Comments

Span 4 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	25	0	20	5	0	Feet
515	Steel Protective Coating	107	57	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	100 % SECTION LOSS EDGE BOTTOM FLANGE BENT 4 - 1 IN WIDE X 3 FOOT LONG PRIORITY MAINTENANCE ISSUED	3	3	3	Feet
107	Corrosion	SECTION LOSS BENT 3 BOTTOM FLANGE 1.5" DIAMETER HOLE IN WEB 100 % 1 IN WIDE X 18 IN LONG , 5/16 IN REMAINING WEB 3 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILING	4	50	50	Square Feet

General Comments

Span 4 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	25	21	4	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE RUST BOTTOM FLANGE AT SPALLED CONCRETE	2	4		Feet

General Comments

Span 4 Beam 9

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	25	0	21	4	0	Feet
515	Steel Protective Coating	107	67	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS 100 % BOTTOM FLANGE BENT 3 -1 IN WIDE X 2 FOOT LONG , 5/16 IN REMAINING WEB 2 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS WEB BENT 4 - HOLE 3 IN DIAMETER , SECTION LOSS 100 % BOTTOM FLANGE 1 1/2 IN WIDE X 2 FOOT LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	21		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILING	4	40	40	Square Feet

General Comments

Span 4 Beam 10

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	25	0	20	5	0	Feet
515	Steel Protective Coating	107	67	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	100 % SECTION LOSS BENT 3 BOTTOM FLANGE 1.5 IN WIDE X 3 FOOT LONG 5/16 IN REMAINING WEB 2 IN HIGH PRIORITY MAINTENANCE ISSUED	3	3	3	Feet
107	Corrosion	SECTION LOSS 100 % IN BOTTOM FLANGE BENT 4 1 IN WIDE X 16 IN LONG , 5/16 IN REMAINING WEB 4 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILING	4	40	40	Square Feet

General Comments

Span 4 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	600	576	24	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE CRACK BENT 4	2	24	24	Square Feet

General Comments

Span 4 — 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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	1	1	Square Feet

General Comments

Span 4 — 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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	1	1	Square Feet

General Comments

Span 4 — 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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	1	1	Square Feet

General Comments

Span 4 — 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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	1	1	Square Feet

General Comments

Span 4 — 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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	1	1	Square Feet

General Comments

Span 4 — 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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	1	1	Square Feet

General Comments

Span 4 — 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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	1	1	Square Feet

General Comments

Span 4 — 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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	1	1	Square Feet

General Comments

Span 5 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	684	618	66	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Abrasion/Wear (PSC/RC)	ABRASION CURBS	2	50		Square Feet
12	Delamination/Spall	SPALLING UNDER BAY 7	2	9	9	Square Feet
12	Delamination/Spall	SURFACE SPALLS WITH EXPOSED STEEL UNDER BAY 3	2	7	7	Square Feet

General Comments

Span 5 Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	25	0	20	5	0	Feet
515	Steel Protective Coating	105	35	0	0	70	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS 100 % IN BOTTOM FLANGE BENT 4 - 1/2 IN WIDE X 4 FOOT LONG, 5/16 IN REMAINING WEB 3 IN HIGH PRIORITY MAINTENANCE ISSUED	3	4	4	Feet
107	Corrosion	SECTION LOSS IN BOTTOM FLANGE AT ABUTMENT 2 - 100 % 3/4 IN WIDE X 2 IN LONG PRIORITY MAINTENANCE ISSUED	3	1	1	Feet
107	Corrosion	SURFACE RUST	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	FAILING COATING	4	70	70	Square Feet

General Comments

Span 5 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	25	0	21	4	0	Feet
515	Steel Protective Coating	105	55	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS ABUTMENT 2 WEB - HOLE 1.5 IN DIAMETER , 100 % SECTION LOSS BOTTOM FLANGE 1/2 IN WIDE X 3 IN LONG PRIORITY MAINTENANCE ISSUED	3	1	1	Feet
107	Corrosion	SECTION LOSS BOTTOM FLANGE AT BENT 4 - 1/8 IN REMAINING 3 FOOT LONG , 5/16 IN REMAINING WEB 2 IN HIGH PRIORITY MAINTENANCE ISSUED	3	3	3	Feet
107	Corrosion	SURFACE RUST	2	21		Feet
515	Effectiveness (Steel Protective Coatings)	FAILING COATING	4	50	50	Square Feet

General Comments

Span 5 Beam 9

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	25	0	23	2	0	Feet
515	Steel Protective Coating	105	55	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	1 IN HOLE 4 IN HIGH END WEB BENT 4 , 100 % SECTION LOSS BOTTOM FLANGE 1 IN WIDE X 18 IN LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	23		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILING	4	50	50	Square Feet

General Comments

Span 5 Beam 10

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	25	0	23	2	0	Feet
515	Steel Protective Coating	105	55	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	100 % SECTION LOSS BOTTOM FLANGE BENT 4 - 1.5 IN WIDE X 18 IN LONG , 5/16 IN REMAINING 2 IN HIGH WEB	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	23		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILING	4	50	50	Square Feet

General Comments

Span 5 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	600	576	24	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE CRACKING END BENT 2	2	24	24	Square Feet

General Comments

Span 5 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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	1	1	Square Feet

General Comments

Span 5 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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	1	1	Square Feet

General Comments

Span 5 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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST TO UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	1	1	Square Feet

General Comments

Span 5 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	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	Corrosion	SURFACE RUST	2	1		Each
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	1	1	Square Feet

General Comments

End Bent 1 — Abutment

Reinforced Concrete Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	47	21	26	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Abrasion/Wear (PSC/RC)	ABRASION	2	20		Feet
215	Cracking (RC and Other)	VERTICAL AND MAP CRACKING	2	6		Feet

General Comments

Bent 1 — Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	28	13	12	3	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Delamination/Spall	10" X 20" LONG SPALL IN FACE OF CAP UNDER BEAM 2 SPAN 1 SIDE	3	2	2	Feet
234	Delamination/Spall	8 INCH DIAMETER SPALL SPAN 2 SIDE BAY 2	3	1	1	Feet
234	Delamination/Spall	CRACKING AND DELAMINATIONS IN SPAN 1 SIDE	2	12	12	Feet

General Comments

Bent 1 — Pile 2

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/2" DEEP FROM CAP TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

Bent 1 — Pile 3

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/2" DEEP FROM CAP TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

Bent 1 — Pile 4

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/4" DEEP FROM CAP TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

Bent 1 — Pile 1

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/4" DEEP FROM CAP TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

End Bent 2 — Abutment

Reinforced Concrete Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	47	21	26	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Abrasion/Wear (PSC/RC)	ABRASION	2	24		Feet
215	Cracking (RC and Other)	CRACKING IN FACE OF CAP UNDER BEAM 9	2	2		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	28	20	4	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Delamination/Spall	4' LONG X 7" HIGH X 6" DEEP SPALL IN TOP CORNER FACE OF CAP AT INTERIOR BENT 2 SPAN 2 SIDE UNDER BEAM 1 AND 2.	3	4	4	Feet
234	Cracking (RC and Other)	VERTICAL CRACKING FACE OF CAP SPAN 3 SIDE	2	2		Feet
234	Efflorescence/Rust Staining	EFFLO LEAKAGE ALONG HAIRLINE DIAGONAL CRACK BAY 9	2	2		Feet

General Comments

Bent 2 Pile 1

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/4" DEEP FROM CAP TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

Bent 2 Pile 4

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/4" DEEP FROM CAP TO MUDLINE.	2	1		Each

General Comments

Bent 2 Pile 2

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/2" DEEP FROM CAP TO MUDLINE.	2	1		Each
205	Scour	COLUMN HAS EXPOSED FOUNDATION, NO HORIZONTAL PROBE.	2			Each

General Comments

NOT VISIBLE

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	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/2" DEEP FROM CAP TO MUDLINE.	2	1		Each
205	Scour	COLUMN HAS EXPOSED FOUNDATION, NO HORIZONTAL PROBE.	2			Each

General Comments

NOT VISIBLE

Bent 3 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	28	20	8	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	CRACKING SPAN 3 SIDE BAY 1	2	2		Feet
234	Efflorescence/Rust Staining	EFFLO LEAKAGE FACE OF CAP RIGHT OF BEAM 10 SPAN 2 SIDE	2	2		Feet
234	Exposed Rebar	SURFACE SPALLING WITH EXPOSED REBAR SPAN 4 SIDE FACE OF CAP	2	4	4	Feet

General Comments

Bent 3 Pile 1

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/4" DEEP FROM CAP TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

Bent 3 Pile 2

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/2" DEEP FROM CAP TO MUDLINE.	2	1		Each
205	Scour	COLUMN HAS PARTIALLY EXPOSED FOUNDATION, NO HORIZONTAL PROBE.	2			Each

General Comments

PREVIOUSLY NOTED SPALL IS ON CAP AND ABOVE THE HIGH WATERMARK.
NOT VISIBLE

Bent 3 Pile 3

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/2" DEEP FROM CAP TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

Bent 3 Pile 4

Reinforced Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
227	Reinforced Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
227	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/4" DEEP FROM CAP TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

Bent 4 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	28	23	5	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Delamination/Spall	SURFACE SPALLING 1/2 INCH DEEP SPAN 4 SIDE	2	5	5	Feet

General Comments

Bent 4 Pile 1

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/4" DEEP FROM CAP TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

Bent 4 Pile 2

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/2" DEEP FROM CAP TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

Bent 4 Pile 3

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/2" DEEP FROM CAP TO MUDLINE.	2	1	Each

General Comments

NOT VISIBLE

Bent 4 Pile 4

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	0	1	0	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION 10/25/17: SCALING TO 1/4" DEEP FROM CAP TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	684
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	25
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	25
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	25
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	25
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	25
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	25
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	25
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	25
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	25
Span 1	Beam 10	Plate Girder	Steel Open Girder/Beam	25
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	25
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	25
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	600
Span 1	Far 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	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	684
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	25
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	25
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	25
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	25
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	25
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	25
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	25
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	25
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	25
Span 2	Beam 10	Plate Girder	Steel Open Girder/Beam	25
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	25
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	25
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	600
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	684
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	25
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	25
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	25
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	25

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	25
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	25
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	25
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	25
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	25
Span 3	Beam 10	Plate Girder	Steel Open Girder/Beam	25
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	25
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	25
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	600
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	684
Span 4	Beam 1	Plate Girder	Steel Open Girder/Beam	25
Span 4	Beam 2	Plate Girder	Steel Open Girder/Beam	25
Span 4	Beam 3	Plate Girder	Steel Open Girder/Beam	25
Span 4	Beam 4	Plate Girder	Steel Open Girder/Beam	25
Span 4	Beam 5	Plate Girder	Steel Open Girder/Beam	25
Span 4	Beam 6	Plate Girder	Steel Open Girder/Beam	25
Span 4	Beam 7	Plate Girder	Steel Open Girder/Beam	25
Span 4	Beam 8	Plate Girder	Steel Open Girder/Beam	25
Span 4	Beam 9	Plate Girder	Steel Open Girder/Beam	25
Span 4	Beam 10	Plate Girder	Steel Open Girder/Beam	25
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	25
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	25
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	600
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Other Bearing	Other Bearings	1
Span 5	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	684
Span 5	Beam 1	Plate Girder	Steel Open Girder/Beam	25
Span 5	Beam 2	Plate Girder	Steel Open Girder/Beam	25
Span 5	Beam 3	Plate Girder	Steel Open Girder/Beam	25
Span 5	Beam 4	Plate Girder	Steel Open Girder/Beam	25
Span 5	Beam 5	Plate Girder	Steel Open Girder/Beam	25

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 5	Beam 6	Plate Girder	Steel Open Girder/Beam	25
Span 5	Beam 7	Plate Girder	Steel Open Girder/Beam	25
Span 5	Beam 8	Plate Girder	Steel Open Girder/Beam	25
Span 5	Beam 9	Plate Girder	Steel Open Girder/Beam	25
Span 5	Beam 10	Plate Girder	Steel Open Girder/Beam	25
Span 5	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	25
Span 5	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	25
Span 5	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	600
Span 5	Near Bearing	Other Bearing	Other Bearings	1
Span 5	Near Bearing	Other Bearing	Other Bearings	1
Span 5	Near Bearing	Other Bearing	Other Bearings	1
Span 5	Near Bearing	Other Bearing	Other Bearings	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	47
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	47
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
Bent 4	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 320004 **Inspection Date:** 02/07/2019

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**6**
Item 59: Superstructure	0 - 9 , N	**4**
Item 60: Substructure	0 - 9 , N	**6**
Item 61: Channel and Channel Protection	0 - 9 , N	**7**
Item 62: Culvert	0 - 9 , N	**N**
Item 71: Waterway Adequacy	0 - 9 , N	**7**
Item 72: Approach Roadway Alignment	0 - 9 , N	**8**

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	**F**	**3000**	**3376**
Drainage System	G, F, P, or C	**P**	**40**	**3332**
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	**G**	**0**	**3352**
Scour	G, F, P, or C	**G**		
Wingwall	G, F, P, or C	**G**	**0**	**3350**
Field Scour Evaluation		**G**		
Drift	G, F, P, or C	**F**	**40**	**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			
Superstructure Paint Code				

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	**N**
Priority Maintenance Request Submitted	YES/NO	**Y**
Inspection Time	Hours	**8**
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	**N**
Bucket Truck Used	YES/NO	**N**
Boat Used	YES/NO	**Y**
Other Equipment Used	YES/NO	**N**

National Bridge and NC SMU Inspection Item Details

Structure Number: 320004 **Inspection Date:** 02/07/2019

Item	Priority Maintenance Issued	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	BEAMS						

Item	Presently Posted	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	SV 15 TTST 20						

Item	Deck Debris	**Grade**	F	**Maint Code**	3376	**Qty.**	3000
Details	DIRT AND DEBRIS ALONG GUARDRAIL						

Item	Drainage System	**Grade**	P	**Maint Code**	3332	**Qty.**	40
Details	ALL OF THE DECK DRAINS ARE CLOGGED						

Item	Drift	**Grade**	F	**Maint Code**	3366	**Qty.**	40
Details	75 ' TREE ACROSS WATER AT LEFT SIDE FROM ABUTMENT 1 TO BENT 3						

Item	Field Scour Evaluation	**Grade**	G	**Maint Code**		**Qty.**	0
Details	SCOUR CRITICAL SPECIAL MONITORING UNDERWATER						

DEBRIS ALONG GUARDRAIL

Span 1 Wearing Surface: TRANSVERSE CRACKING OVER BENT 1 END BENT 1 SIMILAR

DRIFT LEFT SIDE

Span 1 Beam 1: SECTION LOSS BOTTOM FLANGE ABUTMENT 1 - 1/4 IN REMAINING 2 IN LONG PRIORITY MAINTENANCE ISSUED

Span 1 Beam 2: SECTION LOSS BOTTOM FLANGE ABUTMENT 1 2 IN LONG 1/4 IN REMAINING PRIORITY MAINTENANCE ISSUED

Span 1 Beam 1: SECTION LOSS BENT 1 BOTTOM FLANGE 1/8 IN REMAINING 4 FOOT LONG, WEB 5/16 IN REMAINING 3 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 1 Beam 2: SECTION LOSS WEB BENT 1 HOLE 4 IN HIGH X 8 IN LONG IN END, BOTTOM FLANGE 100 % SECTION LOSS 3/4 IN WIDE X 16 IN LONG PRIORITY MAINTENANCE ISSUED

Bent 1 Cap 1: 10'' X 20'' LONG SPALL IN FACE OF CAP UNDER BEAM 2 SPAN 1 SIDE

Span 1 Beam 10: SECTION LOSS BOTTOM FLANGE BENT 1 100 % 1 IN WIDE 16 IN LONG PRIORITY MAINTENANCE ISSUED

Span 1 Beam 9: SECTION LOSS WEB BENT 1 - HOLE 2 IN HIGH X 8 IN LONG , BOTTOM FLANGE 100 % SECTION LOSS 1 N WIDE X 1 FOOT LONG PRIORITY MAINTENANCE ISSUED

Span 2 Beam 1: SECTION LOSS BOTTOM FLANGE AT BENT 2 -100 % 1 IN WIDE X 2 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 2 Beam 2: SECTION LOSS WEB BENT 2 - HOLE 2 IN X 8 IN LONG BOTTOM FLANGE 100 % SECTION LOSS 1 IN WIDE X 16 IN LONG PRIORITY MAINTENANCE ISSUED

Span 2 Beam 2: SECTION LOSS BENT 1 WEB - HOLE 6 IN WIDE X 6 IN HIGH REST OF AREA 1/16 IN REMAINING, SECTION LOSS BEAM 1/8 IN REMAINING 1 FOOT LONG PRIORITY MAINTENANCE ISSUED

Span 2 Beam 1: SECTION LOSS EDGE BOTTOM FLANGE BENT 1 KNIFE EDGE 1/16 IN REMAINING, 5/16 IN REMAINING WEB 5 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 2 Beam 8: CRACKING WITH EFFLO

Span 2 Deck: EFFLO LEAKAGE IN BOTTOM OF DECK BAY 5

Span 2 Beam 9: SECTION LOSS BEAM BENT 2 - 2" DIAMETER HOLE 100 % 1 IN WIDE X 3 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 2 Beam 10: SECTION LOSS BOTTOM FLANGE BENT 2 -1/8 IN REMAINING 4 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH X 4 FOOT LONG PRIORITY MAINTENANCE ISSUED

Span 2 Beam 9: SECTION LOSS BOTTOM FLANGE AT BENT 1 -100 % 1 IN WIDE X 4 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 2 Beam 10: SECTION LOSS 1/8 IN REMAINING 2 FOOT LONG BOTTOM FLANGE BENT 1 PRIORITY MAINTENANCE ISSUED

Span 3 Beam 1: SECTION LOSS EDGE BENT 2 BOTTOM FLANGE 100 % -1 IN WIDE X 2 FOOT LONG , 5/16 IN REMAINING WEB 2 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 3 Beam 2: SECTION LOSS BENT 2 BOTTOM FLANGE 1/8 IN REMAINING 2 FOOT PRIORITY MAINTENANCE ISSUED

Span 3 Beam 1: SECTION LOSS 100 % BENT 3 BOTTOM FLANGE 1 IN WIDE X 2 FOOT LONG , WEB 5/16 IN REMAINING 4 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 3 Beam 2: SECTION LOSS WEB BENT 3 - HOLE 4 IN X 12 IN , SECTION LOSS BOTTOM FLANGE 100 % 1 IN WIDE X 12 IN LONG PRIORITY MAINTENANCE ISSUED

Span 3 Beam 9: SECTION LOSS BENT 2 WEB - HOLE 3 IN X 5 IN , SECTION LOSS BOTTOM FLANGE 100 % 1 IN WIDE X 3 FOOT LONG PRIORITY MAINTENANCE ISSUED

Span 3 Beam 10: SECTION LOSS EDGE BOTTOM FLANGE BENT 2 100 % 1/2 IN WIDE X 4 FOOT LONG , 5/16 IN REMAINING WEB 5 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 3 Beam 9: SECTION LOSS BENT 3 WEB - HOLE 3 IN X 10 IN HIGH , SECTION LOSS BOTTOM FLANGE 100 % 1 IN WIDE X 16 IN LONG PRIORITY MAINTENANCE ISSUED

Span 3 Beam 10: SECTION LOSS 100 % 1 IN WIDE X 18 IN LONG AT BENT 3 BOTTOM FLANGE, 1/4 IN REMAINING WEB 4 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 4 Beam 1: SECTION LOSS BENT 3 BOTTOM FLANGE 100 % 1 IN WIDE X 2 FOOT LONG , WEB 5/16 IN REMAINING 4 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 4 Beam 2: SECTION LOSS BENT 3 BOTTOM FLANGE 1.5" DIAMETER HOLE IN WEB 100 % 1 IN WIDE X 18 IN LONG , 5/16 IN REMAINING WEB 3 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 4 Beam 1: SECTION LOSS BENT 4 BOTTOM FLANGE 100 % 1/2 IN WIDE X 18 IN LONG PRIORITY MAINTENANCE ISSUED

Span 4 Beam 2: 100 % SECTION LOSS EDGE BOTTOM FLANGE BENT 4 - 1 IN WIDE X 3 FOOT LONG PRIORITY MAINTENANCE ISSUED

Span 4 Beam 9: SECTION LOSS 100 % BOTTOM FLANGE BENT 3 -1 IN WIDE X 2 FOOT LONG , 5/16 IN REMAINING WEB 2 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 4 Beam 10: 100 % SECTION LOSS BENT 3 BOTTOM FLANGE 1.5 IN WIDE X 3 FOOT LONG 5/16 IN REMAINING WEB 2 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 4 Beam 9: SECTION LOSS WEB BENT 4 - HOLE 3 IN DIAMETER , SECTION LOSS 100 % BOTTOM FLANGE 1 1/2 IN WIDE X 2 FOOT LONG PRIORITY MAINTENANCE ISSUED

Span 4 Beam 10: SECTION LOSS 100 % IN BOTTOM FLANGE BENT 4 1 IN WIDE X 16 IN LONG , 5/16 IN REMAINING WEB 4 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 5 Beam 1: SECTION LOSS 100 % IN BOTTOM FLANGE BENT 4 - 1/2 IN WIDE X 4 FOOT LONG, 5/16 IN REMAINING WEB 3 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 5 Beam 2: SECTION LOSS BOTTOM FLANGE AT BENT 4 - 1/8 IN REMAINING 3 FOOT LONG , 5/16 IN REMAINING WEB 2 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 5 Beam 2: SECTION LOSS ABUTMENT 2 WEB - HOLE 1.5 IN DIAMETER , 100 % SECTION LOSS BOTTOM FLANGE 1/2 IN WIDE X 3 IN LONG PRIORITY MAINTENANCE ISSUED

Span 5 Beam 1: SECTION LOSS IN BOTTOM FLANGE AT ABUTMENT 2 - 100 % 3/4 IN WIDE X 2 IN LONG PRIORITY MAINTENANCE ISSUED

Span 5 Deck: SURFACE SPALLS WITH EXPOSED STEEL UNDER BAY 3

End Bent 2 Abutment/Backwall : ABRASION

Span 5 Beam 9: 1 IN HOLE 4 IN HIGH END WEB BENT 4 , 100 % SECTION LOSS BOTTOM FLANGE 1 IN WIDE X 18 IN LONG PRIORITY MAINTENANCE ISSUED

Span 5 Beam 10: 100 % SECTION LOSS BOTTOM FLANGE BENT 4 - 1.5 IN WIDE X 18 IN LONG , 5/16 IN REMAINING 2 IN HIGH WEB

End Bent 2 Abutment/Backwall : CRACKING IN FACE OF CAP UNDER BEAM 9

POSTING

GUARDRAIL TERMINAL

ASPHALT WEARING SURFACE

GUARDRAIL ATTACHMENT

LOOKING EAST DOWNSTREAM

LOOKING WEST UPSTREAM

WEST PROFILE

LOOKING SOUTH

LOOKING NORTH

END BENT 1

SUPERSTRUCTURE SPAN 1

BENT 2

ABUTMENT 2

SUPERSTRUCTURE SPAN 5

Stream Bed Soundings

(Profile diagram on following sheet)

County **EDGECOMBE** Structure Number: **320004** Inspection Date **02/06/2019**

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

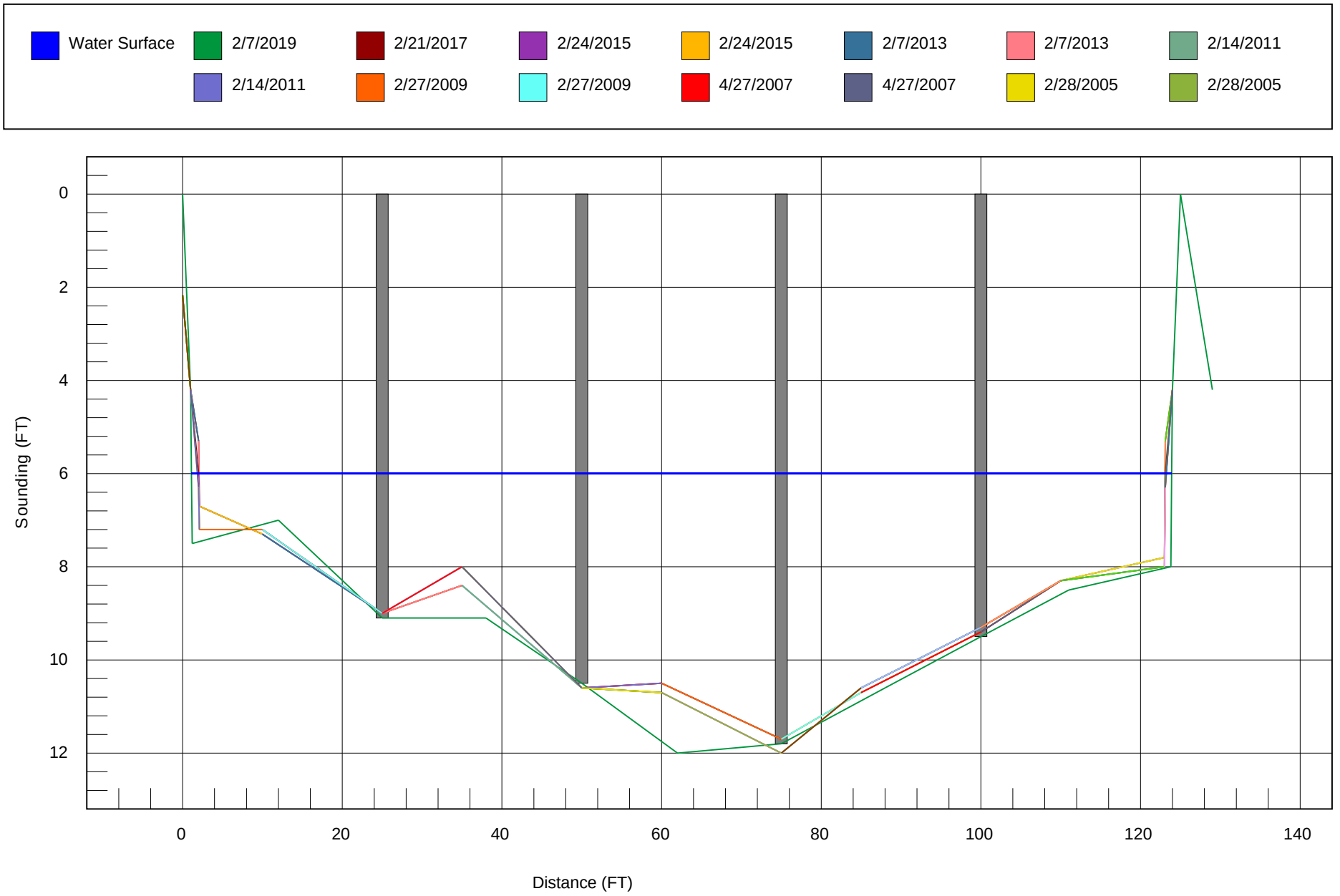
Highwater Mark Distance Location of Highwater Mark

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	0.000	0.000	TOP OF RAIL
1.000	4.200	0.000	TOP OF CAP
1.100	6.000	0.000	WSWE
1.200	7.500	8.000	GROUND AT CAP
12.000	7.000	0.000	
25.000	9.100	11.000	BENT 1
38.000	9.100	0.000	
50.000	10.500	11.200	BENT 2
62.000	12.000	0.000	
75.000	11.800	11.000	BENT 3
88.000	10.600	0.000	
100.000	9.500	7.000	BENT 4
111.000	8.500	0.000	
123.800	8.000	8.000	GROUND AT CAP
123.900	6.000	0.000	WSWE
124.000	4.200	0.000	TOP OF CAP
125.000	0.000	0.000	TOP OF RAIL
129.000	4.200	0.000	GROUND AT CAP

Bridge: 320004 County: EDGECOMBE Date: 02/07/2019

STREAMBED PROFILE (Downstream)

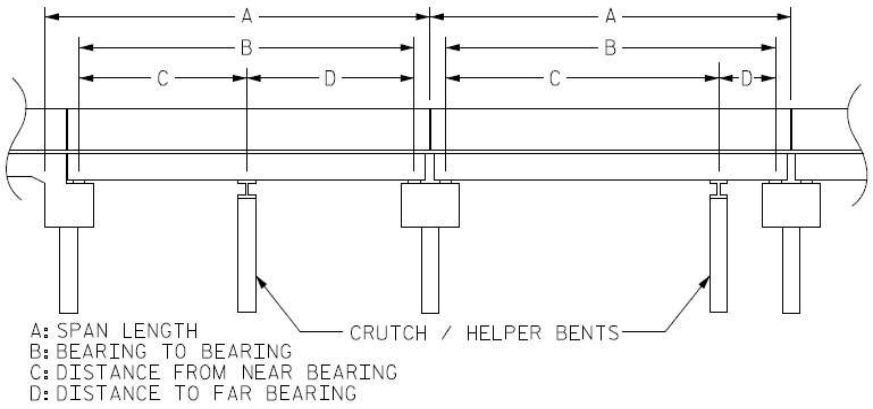
Top of Rail = 0FT (Sounding)



Structure Data Worksheet

Span Profile

County: **EDGECOMBE** Structure Number: **320004**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	25.000	24.000			
2	25.000	24.000			
3	25.000	24.000			
4	25.000	24.000			
5	25.000	24.000			

NATIONAL BRIDGE INVENTORY-------- STRUCTURE INVENTORY AND APPRAISAL Run Date: 07/23/2019

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **320004**
(8) STRUCTURE NUMBER(FEDERAL) 000000000650004
(5) INVENTORY ROUTE (ON/UNDER) - ON 31014040
(2) STATE HIGHWAY DEPARTMENT DISTRICT 1
(3) COUNTY CODE 65 (4) PLACE CODE 0
(6) FEATURE INTERSECTED - SWIFT CREEK
(7) FACILITY CARRIED SR1404
(9) LOCATION 0.5 MI. N. JCT. SR1411
(11)MILEPOINT 0
(16)LAT 36° 3' 28.53" (17)LONG 77° 40' 57.63"
(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 5
(46) NUMBER OF APPROACH SPANS
(107)DECK STRUCTURE TYPE - 1 CODE
(108)WEARING SURFACE / PROTECTIVE SYSTEM :
(A) TYPE OF WEARING SURFACE - Bituminous CODE 6
(B) TYPE OF MEMBRANE - None CODE 0
(C) TYPE OF DECK PROTECTION - None CODE 0

AGE AND SERVICE

(27) YEAR BUILT 1964
(106)YEAR RECONSTRUCTED
(42) TYPE OF SERVICE : ON - Highway
UNDER - Waterway CODE 15
(28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 0
(29) AVERAGE DAILY TRAFFIC 550
(30) YEAR OF ADT 2015 (109) TRUCK ADT PCT 6%
(19) BYPASS OR DETOUR LENGTH 10 MI

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 24 FT
(49) STRUCTURE LENGTH 125 FT
(50)CURB OR SIDEWALK: LEFT .75 FT RIGHT .75 FT
(51) BRIDGE ROADWAY WIDTH CURB TO CURB 24 FT
(52) DECK WIDTH OUT TO OUT 27.333 FT
(32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 19 FT
(33) BRIDGE MEDIAN - No Median CODE 0
(34) SKEW 0° (35) STRUCTURE FLARED 0
(10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR 24 FT
(53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
(54) MIN VERT UNDERCLEAR REF Not a Highway or Railroad 0 FT
(55) MIN LAT UNDERCLEAR RT REF Not a Highway or Railroad 000 FT
(56) MIN LAT UNDERCLEAR LT REF - 000 FT

NAVIGATION DATA

(38) NAVIGATION CONTROL - No Navigational Control CODE 0
(111)PIER PROTECTION - CODE
(39) NAVIGATION VERTICAL CLEARANCE 0
(116)VERT - LIFT BRIDGE NAV MIN VERT CLEAR FT
(40) NAVIGATION HORIZONTAL CLEARANCE 0 FT

SUFFICIENCY RATING = 33.41
STATUS = Structurally Deficient

CLASSIFICATION — CODE

(112)NBIS BRIDGE SYSTEM - YES
(104)HIGHWAY SYSTEM Is not on NHS 0
(26) FUNCTIONAL CLASS - Minor Collector 08
(100)STRAHNET HIGHWAY - Not a STRAHNET Route 0
(101)PARALLEL STRUCTURE - No Parallel Structure N
(102)DIRECTION OF TRAFFIC - 2-way Traffic 2
(103)TEMPORARY STRUCTURE -
(110)DESIGNATED NATIONAL NETWORK - Not on the National Network 0
(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 5
(59) SUPERSTRUCTURE 4
(60) SUBSTRUCTURE 5
(61) CHANNEL & CHANNEL PROTECTION 6
(62) CULVERTS N

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD Unknown 0
(63) OPERATING RATING METHOD - Load Factor 1
(64) OPERATING RATING - HS-15 27
(65) INVENTORY RATING METHOD - Load Factor 1
(66) INVENTORY RATING - HS-9 16
(70) BRIDGE POSTING - Posting Required 0
(41) STRUCTURE OPEN, POSTED ,OR CLOSED P
DESCRIPTION - Posted for Load

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION 4
(68) DECK GEOMETRY 4
(69) UNDERCLEARANCES,VERTI & HORIZ N
(71) WATERWAY ADEQUACY 7
(72) APPROACH ROADWAY ALIGNMENT 8
(36) TRAFFIC SAFETY FEATURES 0000
(113)SCOUR CRITICAL BRIDGES 3

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 1100 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 02/07/2019
(92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
A) FRACTURE CRIT DETAIL - NO A)
B) UNDERWATER INSP - YES 24Mo B) 10/25/2017
C) OTHER SPECIAL INSP NO C)
SCOUR

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Run Date: 07/23/2019

COUNTY :	DIVISION :	DISTRICT:	STRUCTURE NUMBER :	LENGTH :
EDGECOMBE	4	1	320004	125 FEET

ROUTE CARRIED : SR1404

FEATURE INTERSECTED : SWIFT CREEK

LOCATED : 0.5 MI. N. JCT. SR1411

BRIDGE NAME :

CITY :

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :		RAIL TYPE :			
08	NFA	NFA	550	2015	LT	241	RT	241

BUILT :	BY :	PROJ :	FED.AID PROJ :	DESIGN LOAD :
1964	BMU			Unknown

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :			
			TAN	90	ON	2	UNDER	0

NAVIGATION :					HT. CRN. TO BED :		WATER DEPTH :	
VC	0	FT	HC	0	FT	10 FT	6	FT

SUPERSTRUCTURE : REINFORCED CONCRETE FLOOR ON I-BEAMS & ENCASED I-BEAMS

SUBSTRUCTURE : ABUTS:RC FULL HEIGHT;INT.BTS:RC SOLID PIERS

SPANS : 5@25'

BEAMS OR GIRDERS : 6 LINES OF 16 'I-BMS.ENC.IN CONC;4 LNS OF 15' I-BEAMS

FLOOR :	ENCROACHMENT :	DECK (OUT TO OUT) :
6" RC, 3.5" AWS		27.333 FT

CLEAR ROADWAY :	BETWEEN RAILS :	SIDEWALK OR CURB :			
24 FT	25.5 FT	LT	.75 FT	RT	.75 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. :	OPE.RTG. :	CONTR.MEMBER :	POSTED :					
HS-9	HS-15	Bm3(Rated Ext)	SV	15	TTST	20	DATE	06/25/2018

SYSTEM :	GREEN LINE ROUTE :
Secondary S.R. Route	N

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE Date: 02/07/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	4	Span 1 Beam 1: SECTION LOSS BENT 1 BOTTOM FLANGE 1/8 IN REMAINING 4 FOOT LONG, WEB 5/16 IN REMAINING 3 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 2: SECTION LOSS WEB BENT 1 - HOLE 4 IN HIGH X 8 IN LONG IN END, BOTTOM FLANGE 100 % SECTION LOSS 3/4 IN WIDE X 16 IN LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 9: SECTION LOSS WEB BENT 1 - HOLE 2 IN HIGH X 8 IN LONG , BOTTOM FLANGE 100 % SECTION LOSS 1 IN WIDE X 1 FOOT LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 1: SECTION LOSS EDGE BOTTOM FLANGE BENT 1 KNIFE EDGE 1/16 IN REMAINING, 5/16 IN REMAINING WEB 5 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 9: SECTION LOSS BEAM BENT 2 - 2" DIAMETER HOLE 100 % 1 IN WIDE X 3 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	4	Span 2 Beam 9: SECTION LOSS BOTTOM FLANGE AT BENT 1 -100 % 1 IN WIDE X 4 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	4	Span 2 Beam 10: SECTION LOSS BOTTOM FLANGE BENT 2 -1/8 IN REMAINING 4 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH X 4 FOOT LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 10: SECTION LOSS 1/8 IN REMAINING 2 FOOT LONG BOTTOM FLANGE BENT 1	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 1: SECTION LOSS EDGE BENT 2 BOTTOM FLANGE 100 % -1 IN WIDE X 2 FOOT LONG , 5/16 IN REMAINING WEB 2 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 1: SECTION LOSS 100 % BENT 3 BOTTOM FLANGE 1 IN WIDE X 2 FOOT LONG , WEB 5/16 IN REMAINING 4 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 2: SECTION LOSS WEB BENT 3 - HOLE 4 IN X 12 IN , SECTION LOSS BOTTOM FLANGE 100 % 1 IN WIDE X 12 IN LONG	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE Date: 02/07/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	3	Span 3 Beam 9: SECTION LOSS BENT 2 WEB - HOLE 3 IN X 5 IN , SECTION LOSS BOTTOM FLANGE 100 % 1 IN WIDE X 3 FOOT LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 9: SECTION LOSS BENT 3 WEB - HOLE 3 IN X 10 IN HIGH , SECTION LOSS BOTTOM FLANGE 100 % 1 IN WIDE X 16 IN LONG	
3314	Maintain Steel Superstructure Components	LF	4	Span 3 Beam 10: SECTION LOSS EDGE BOTTOM FLANGE BENT 2 -100 % 1/2 IN WIDE X 4 FOOT LONG , 5/16 IN REMAINING WEB 5 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 10: SECTION LOSS 100 % 1 IN WIDE X 18 IN LONG AT BENT 3 BOTTOM FLANGE, 1/4 IN REMAINING WEB 4 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	2	Span 4 Beam 1: SECTION LOSS BENT 3 BOTTOM FLANGE 100 % 1 IN WIDE X 2 FOOT LONG , WEB 5/16 IN REMAINING 4 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	2	Span 4 Beam 2: SECTION LOSS BENT 3 BOTTOM FLANGE 1.5" DIAMETER HOLE IN WEB 100 % 1 IN WIDE X 18 IN LONG , 5/16 IN REMAINING WEB 3 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	3	Span 4 Beam 2: 100 % SECTION LOSS EDGE BOTTOM FLANGE BENT 4 - 1 IN WIDE X 3 FOOT LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 4 Beam 9: SECTION LOSS WEB BENT 4 - HOLE 3 IN DIAMETER , SECTION LOSS 100 % BOTTOM FLANGE 1 1/2 IN WIDE X 2 FOOT LONG	
3314	Maintain Steel Superstructure Components	LF	3	Span 4 Beam 10: 100 % SECTION LOSS BENT 3 BOTTOM FLANGE 1.5 IN WIDE X 3 FOOT LONG 5/16 IN REMAINING WEB 2 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	2	Span 4 Beam 10: SECTION LOSS 100 % IN BOTTOM FLANGE BENT 4 1 IN WIDE X 16 IN LONG , 5/16 IN REMAINING WEB 4 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	4	Span 5 Beam 1: SECTION LOSS 100 % IN BOTTOM FLANGE BENT 4 - 1/2 IN WIDE X 4 FOOT LONG, 5/16 IN REMAINING WEB 3 IN HIGH	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE Date: 02/07/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3314	Maintain Steel Superstructure Components	LF	2	Span 5 Beam 9: 1 IN HOLE 4 IN HIGH END WEB BENT 4 , 100 % SECTION LOSS BOTTOM FLANGE 1 IN WIDE X 18 IN LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 5 Beam 10: 100 % SECTION LOSS BOTTOM FLANGE BENT 4 - 1.5 IN WIDE X 18 IN LONG , 5/16 IN REMAINING 2 IN HIGH WEB	
3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 1: SECTION LOSS BOTTOM FLANGE ABUTMENT 1 - 1/4 IN REMAINING 2 IN LONG	
3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 2: SECTION LOSS BOTTOM FLANGE ABUTMENT 1 - 2 IN LONG 1/4 IN REMAINING	
3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 10: SECTION LOSS BOTTOM FLANGE BENT 1 100 % 1 IN WIDE 16 IN LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 2: SECTION LOSS BENT 2 BOTTOM FLANGE 1/8 IN REMAINING 2 FEET LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 4 Beam 1: SECTION LOSS BENT 4 BOTTOM FLANGE 100 % 1/2 IN WIDE X 18 IN LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 4 Beam 9: SECTION LOSS 100 % BOTTOM FLANGE BENT 3 -1 IN WIDE X 2 FOOT LONG , 5/16 IN REMAINING WEB 2 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	1	Span 5 Beam 1: SECTION LOSS IN BOTTOM FLANGE AT ABUTMENT 2 - 100 % 3/4 IN WIDE X 2 IN LONG	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 1 Beam 1: SECTION LOSS BENT 1 BOTTOM FLANGE 1/8 IN REMAINING 4 FOOT LONG, WEB 5/16 IN REMAINING 3 IN HIGH

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 Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 1 Beam 2: SECTION LOSS WEB BENT 1 - HOLE 4 IN HIGH X 8 IN LONG IN END, BOTTOM FLANGE 100 % SECTION LOSS 3/4 IN WIDE X 16 IN LONG

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

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 Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 1 Beam 9: SECTION LOSS WEB BENT 1 - HOLE 2 IN HIGH X 8 IN LONG , BOTTOM FLANGE 100 % SECTION LOSS 1 IN WIDE X 1 FOOT LONG

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 Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 2 Beam 1: SECTION LOSS EDGE BOTTOM FLANGE BENT 1 KNIFE EDGE 1/16 IN REMAINING, 5/16 IN REMAINING WEB 5 IN HIGH

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 2 Beam 9: SECTION LOSS BEAM BENT 2 - 2" DIAMETER HOLE 100 % 1 IN WIDE X 3 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 2 Beam 9: SECTION LOSS BOTTOM FLANGE AT BENT 1 -100 % 1 IN WIDE X 4 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 2 Beam 10: SECTION LOSS BOTTOM FLANGE BENT 2 -1/8 IN REMAINING 4 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH X 4 FOOT LONG

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 Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 2 Beam 10: SECTION LOSS 1/8 IN REMAINING 2 FOOT LONG BOTTOM FLANGE BENT 1

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

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 Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 3 Beam 1: SECTION LOSS EDGE BENT 2 BOTTOM FLANGE 100 % -1 IN WIDE X 2 FOOT LONG , 5/16 IN REMAINING WEB 2 IN HIGH

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 Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 3 Beam 1: SECTION LOSS 100 % BENT 3 BOTTOM FLANGE 1 IN WIDE X 2 FOOT LONG , WEB 5/16 IN REMAINING 4 IN HIGH

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

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 Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 3 Beam 2: SECTION LOSS WEB BENT 3 - HOLE 4 IN X 12 IN , SECTION LOSS BOTTOM FLANGE 100 % 1 IN WIDE X 12 IN LONG

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 3 Beam 9: SECTION LOSS BENT 2 WEB - HOLE 3 IN X 5 IN , SECTION LOSS BOTTOM FLANGE 100 % 1 IN WIDE X 3 FOOT LONG

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

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 Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 3 Beam 9: SECTION LOSS BENT 3 WEB - HOLE 3 IN X 10 IN HIGH , SECTION LOSS BOTTOM FLANGE 100 % 1 IN WIDE X 16 IN LONG

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 3 Beam 10: SECTION LOSS EDGE BOTTOM FLANGE BENT 2 -100 % 1/2 IN WIDE X 4 FOOT LONG , 5/16 IN REMAINING WEB 5 IN HIGH

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

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 Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 3 Beam 10: SECTION LOSS 100 % 1 IN WIDE X 18 IN LONG AT BENT 3 BOTTOM FLANGE, 1/4 IN REMAINING WEB 4 IN HIGH

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 Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 4 Beam 1: SECTION LOSS BENT 3 BOTTOM FLANGE 100 % 1 IN WIDE X 2 FOOT LONG , WEB 5/16 IN REMAINING 4 IN HIGH

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

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 Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 4 Beam 2: SECTION LOSS BENT 3 BOTTOM FLANGE 1.5" DIAMETER HOLE IN WEB 100 % 1 IN WIDE X 18 IN LONG , 5/16 IN REMAINING WEB 3 IN HIGH

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 4 Beam 2: 100 % SECTION LOSS EDGE BOTTOM FLANGE BENT 4 - 1 IN WIDE X 3 FOOT LONG

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

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 Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 4 Beam 9: SECTION LOSS WEB BENT 4 - HOLE 3 IN DIAMETER , SECTION LOSS 100 % BOTTOM FLANGE 1 1/2 IN WIDE X 2 FOOT LONG

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 4 Beam 10: 100 % SECTION LOSS BENT 3 BOTTOM FLANGE 1.5 IN WIDE X 3 FOOT LONG 5/16 IN REMAINING WEB 2 IN HIGH

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

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 Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 4 Beam 10: SECTION LOSS 100 % IN BOTTOM FLANGE BENT 4 1 IN WIDE X 16 IN LONG , 5/16 IN REMAINING WEB 4 IN HIGH

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	4 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 5 Beam 1: SECTION LOSS 100 % IN BOTTOM FLANGE BENT 4 - 1/2 IN WIDE X 4 FOOT LONG, 5/16 IN REMAINING WEB 3 IN HIGH

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

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 Received

Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 5 Beam 9: 1 IN HOLE 4 IN HIGH END WEB BENT 4 , 100 % SECTION LOSS BOTTOM FLANGE 1 IN WIDE X 18 IN LONG

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 Received

Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 5 Beam 10: 100 % SECTION LOSS BOTTOM FLANGE BENT 4 - 1.5 IN WIDE X 18 IN LONG , 5/16 IN REMAINING 2 IN HIGH WEB

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

Location:
Bent/Span No.

Priority Level	Status
Recommended	Routine Maintenance

Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details
Span 1 Beam 1: SECTION LOSS BOTTOM FLANGE ABUTMENT 1 - 1/4 IN REMAINING 2 IN LONG

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

Location:
Bent/Span No.

Priority Level	Status
Recommended	Routine Maintenance

Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details
Span 1 Beam 2: SECTION LOSS BOTTOM FLANGE ABUTMENT 1 - 2 IN LONG 1/4 IN REMAINING

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

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

Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 1 Beam 10: SECTION LOSS BOTTOM FLANGE BENT 1 100 % 1 IN WIDE 16 IN LONG

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

Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 3 Beam 2: SECTION LOSS BENT 2 BOTTOM FLANGE 1/8 IN REMAINING 2 FEET LONG

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

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

Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 4 Beam 1: SECTION LOSS BENT 4 BOTTOM FLANGE 100 % 1/2 IN WIDE X 18 IN LONG

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

Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 4 Beam 9: SECTION LOSS 100 % BOTTOM FLANGE BENT 3 -1 IN WIDE X 2 FOOT LONG , 5/16 IN REMAINING WEB 2 IN HIGH

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320004 County EDGECOMBE

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Recommended	Routine Maintenance	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details
Span 5 Beam 1: SECTION LOSS IN BOTTOM FLANGE AT ABUTMENT 2 - 100 % 3/4 IN WIDE X 2 IN LONG

Bridge Inspection Field Sketch

Roadway	19ft Wide	2 Paved Lanes	Looking North
Left Shoulder	6ft Wide		6ft Unpaved
Right Shoulder	6ft Wide		6ft Unpaved
Left Guardrail	2.333ft from road		
Right Guardrail	2.25ft from road		

TAKEN 5 FT FROM END BENT 1

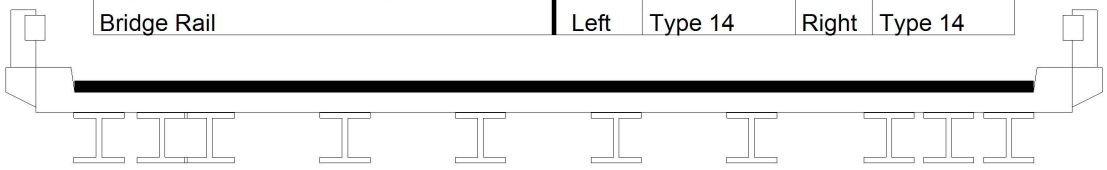
MODIFIED: 2/7/19 WCM

Title	**Description**
APPROACH ROADWAY	APPROACH ROADWAY

Bridge No: 320004	**Drawn By:** WCM	**Date:** 01/21/2005	**File Name:** S0026000438

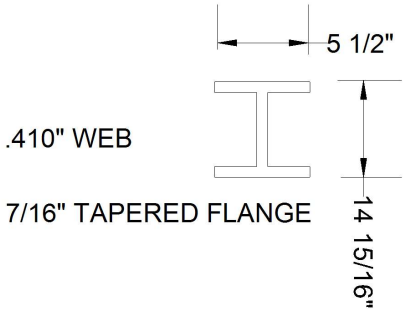
Bridge Inspection Field Sketch

Deck Width/Out to Out	27.333ft	Between Rails				25.5ft
Clear Roadway	24ft	Wearing Surface				0.292ft
Median Width		Median Height				
Curb Height		Left	0.583ft	Right	0.583ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left	0.75ft	Right	0.75ft	
Top of Rail to Deck/Wearing Surface		Left	2.167ft	Right	2.167ft	
Bridge Rail		Left	Type 14	Right	Type 14	

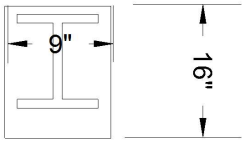


Measurements for Span #	1		
Deck Thickness	0.5	Left Overhang	1.646
Top of Rail to Bottom of Beam	4.167	Right Overhang	1.646

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	1.667ft	
2	Steel I Beam	1.250ft	
3	Steel I Beam	3.583ft	CONCRETE ENCASED
4	Steel I Beam	3.583ft	CONCRETE ENCASED
5	Steel I Beam	3.583ft	CONCRETE ENCASED
6	Steel I Beam	3.583ft	CONCRETE ENCASED
7	Steel I Beam	3.625ft	CONCRETE ENCASED
8	Steel I Beam	1.583ft	CONCRETE ENCASED
9	Steel I Beam	1.583ft	
10	Steel I Beam	ft	



STEEL BEAMS 1,2,9, & 10



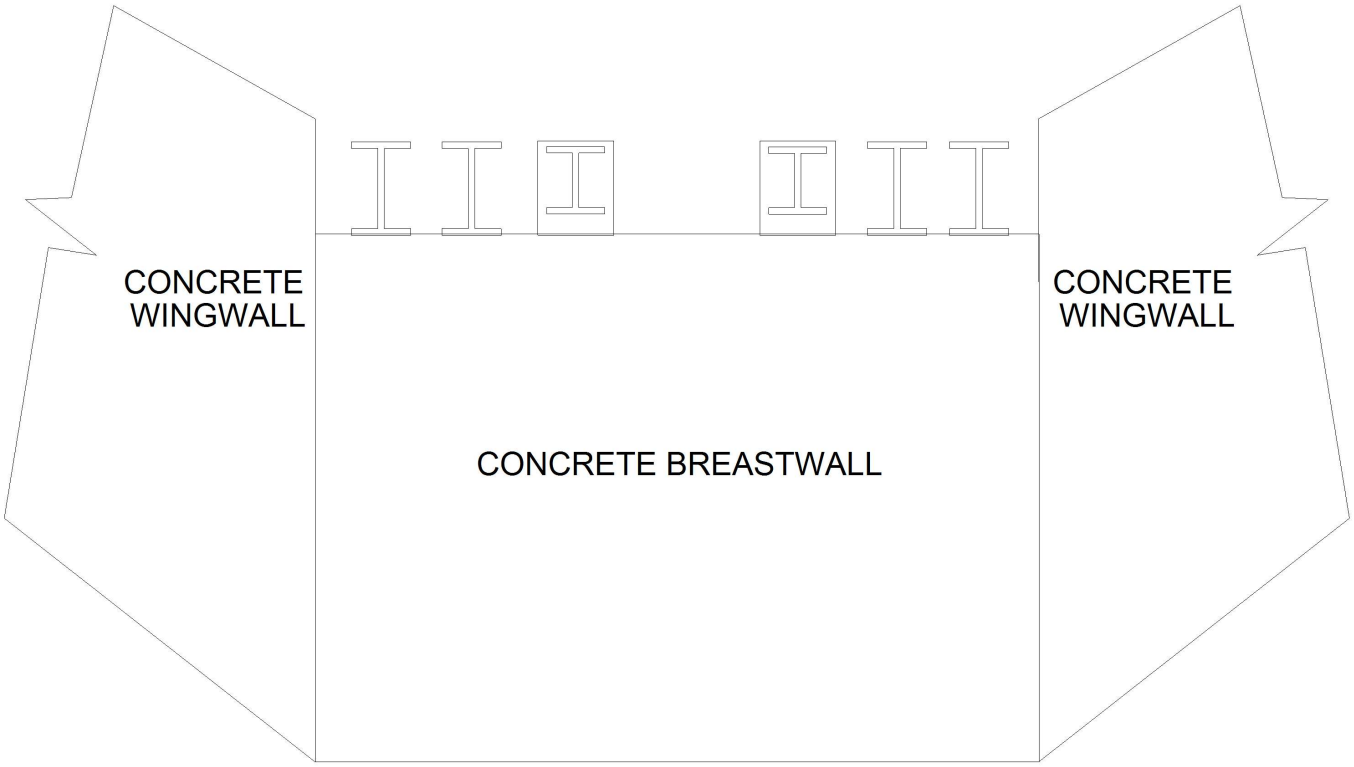
CONCRETE ENCASED BEAMS 3 - 8

MODIFIED: 2/7/19 WCM

Title	Description
TYPICAL SECTION	TYPICAL SECTION

Bridge No:	Drawn By:	Date:	File Name:
320004	WCM	01/21/2005	S0026000439

Bridge Inspection Field Sketch



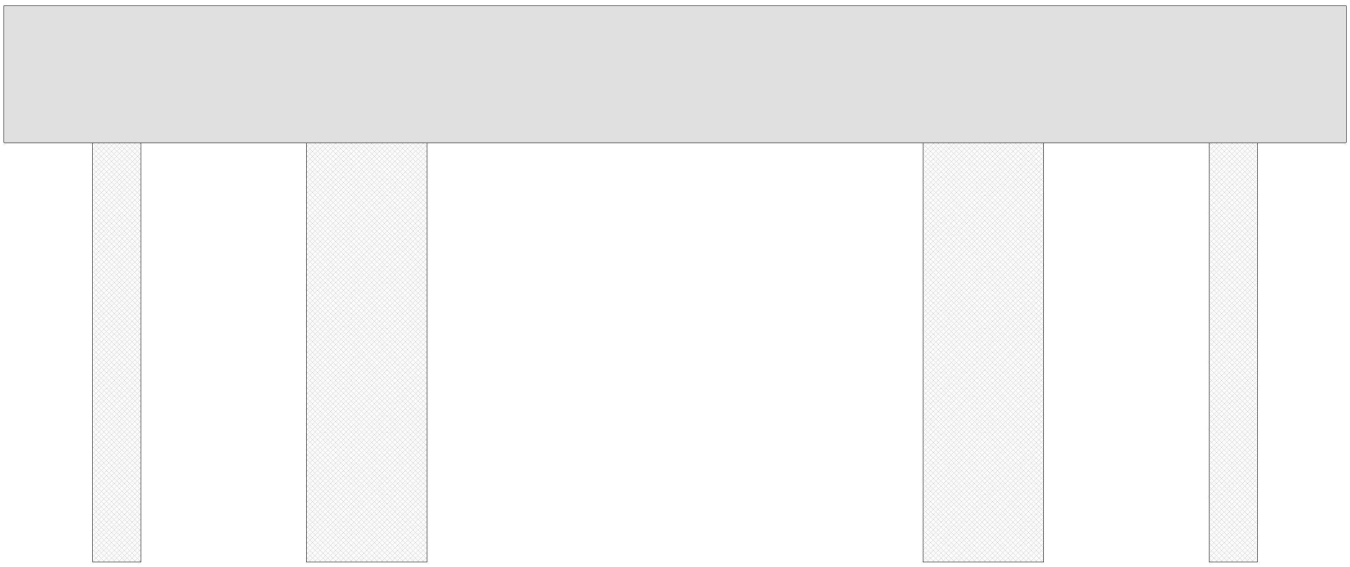
TYPICAL ABUTMENT

VERIFIED: 2/7/19 WCM

Title	Description
ABUTMENTS	ABUTMENTS

Bridge No:	Drawn By:	Date:	File Name:
320004	WCM	01/21/2005	S0026000440

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.
27.750 ft.	2.500 ft.	2.833 ft.	2.333 ft.	2.333 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	

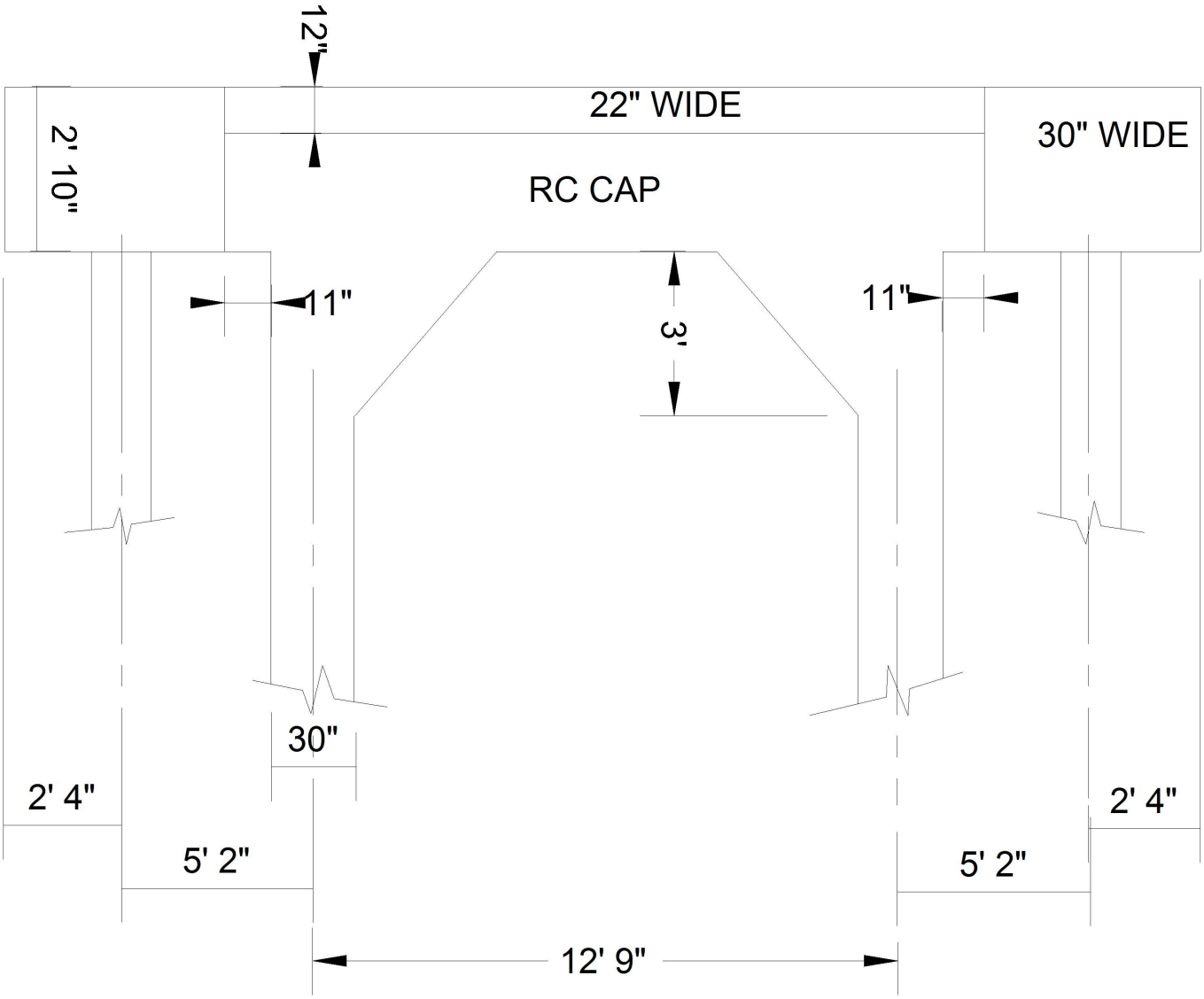
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	5.167 ft.	1 ft.			Vertical	No	No	No	No
2	Concrete	12.75 ft.	2.5 ft.			Vertical	No	No	No	No
3	Concrete	5.167 ft.	2.5 ft.			Vertical	No	No	No	No
4	Concrete		1 ft.			Vertical	No	No	No	No

Bent/Abutment #: 1 Similar Bents: 2,3,4

Title	**Description**
BENT 1	BENT 1

Bridge No: 320004	**Drawn By:** WCM	**Date:** 2/7/2019	**File Name:** S0022002054

Bridge Inspection Field Sketch

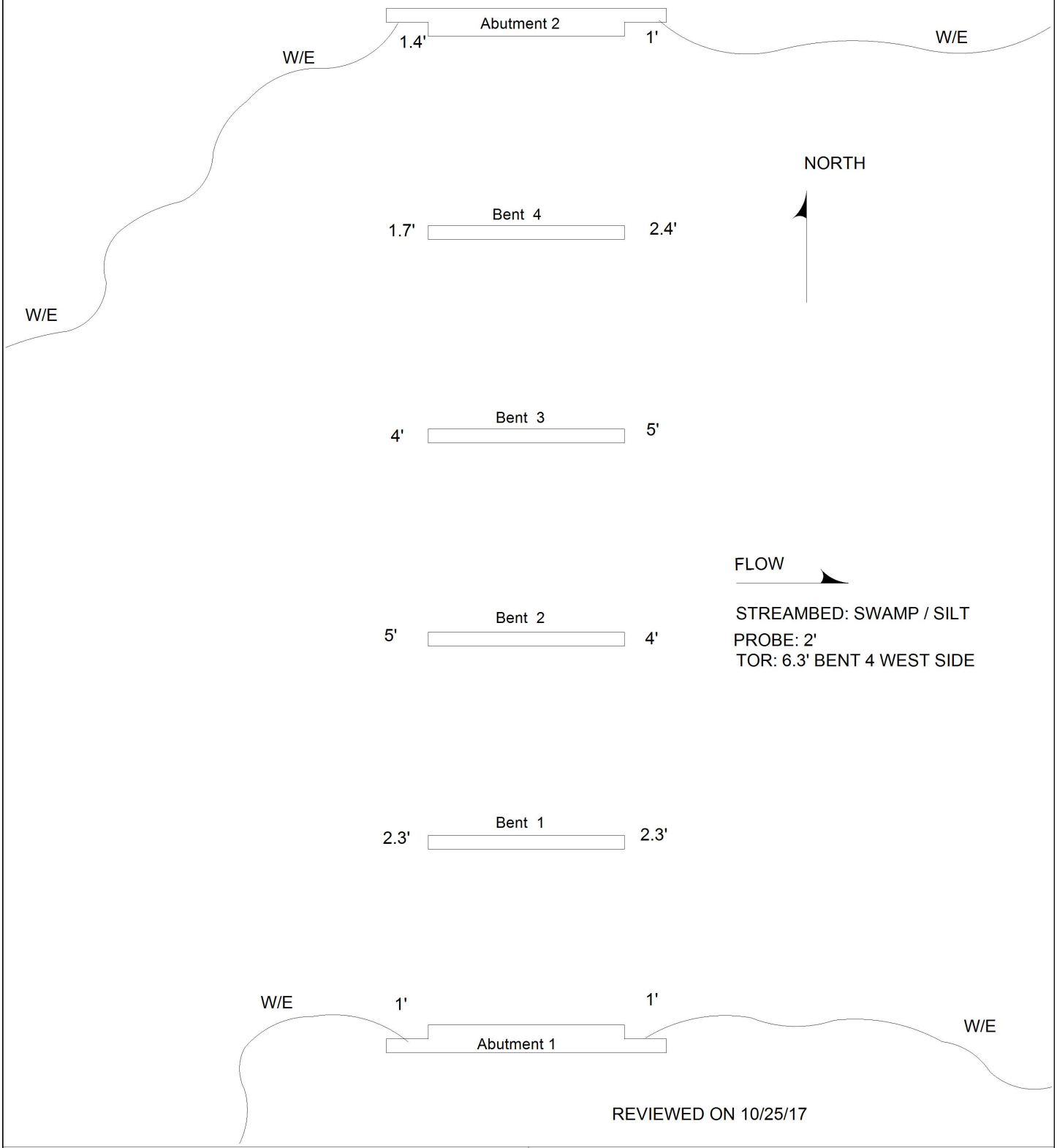


MODIFIED: 2/7/19 WCM

Title	Description
BENTS	BENTS

Bridge No:	Drawn By:	Date:	File Name:
320004	WCM	01/21/2005	S0026000441

Bridge Inspection Field Sketch



Title	Description
Edgecombe 04 plan view	Channel Plan View

Bridge No:	Drawn By:	Date:	File Name:
320004	BK	03/30/2006	S0166000047