NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY MAINTENANCE ISSUED SIGN NOTICE

Structure Safety Report

Routine Element Inspection

INSPECTION DATE: 02/06/2019

DIVISION: 4 **COUNTY:** EDGECOMBE **STRUCTURE NUMBER:** 320003 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: SR1404 **MILE POST:**

LOCATION: 0.6 MI. N. JCT. SR1411

FEATURE INTERSECTED: SWIFT CREEK

LATITUDE: 36° 3' 30.44" **LONGITUDE:** 77° 40' 52.24"

SUPERSTRUCTURE: RC DECK ON CONCRETE ENCASED I-BEAMS, WIDENED WITH I-BEAMS

SUBSTRUCTURE: ABUTS:RC FULL HEIGHT, INT.BTS:RC POST & BEAM WIDENED W/RC CAP ON PPC PILES

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** 5 **CULVERT** N

POSTED SV: 15 **POSTED TTST:** 21

OTHER SIGNS PRESENT: 2 Delineators

LOOKING NORTH

Sign noticed issued for		Number Required
NO	**WEIGHT LIMIT**	0
YES	**DELINEATORS**	2
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
Wilis C May	Willis C May	Phillip D Carr

Structure Element Scoring

Structure Number: **320003**

Inspection Date **2/6/2019**

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	3146	274	0	0
107	0	Steel Open Girder/Beam	Beam	1200	697	437	66	0
515	107	Steel Protective Coating	Beam	2060	1035	0	0	1025
205	0	Reinforced Concrete Column	Piles and Columns	8	0	8	0	0
215	0	Reinforced Concrete Abutment	Abutments	80	24	56	0	0
226	0	Prestressed Concrete Pile	Piles and Columns	8	0	8	0	0
234	0	Reinforced Concrete Pier Cap	Caps	112	45	61	6	0
301	0	Pourable Joint Seal	Expansion Joints	96	96	0	0	0
316	0	Other Bearings	Bearing Device	32	1	31	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	2855	121	24	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **320003** Inspection Date: **02/06/2019**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	24 Square Feet
3314	Steel Open Girder/Beam	Corrosion	66 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	2 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	73 Feet
2816	Wearing Surface	Crack (Wearing Surface)	144 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	1057 Square Feet

Element Structure Maintenance Quantities

Structure Number: **320003** Inspection Date **02/06/2019**

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	80	0	0	56	24
Beam	3314	Maintenance Steel Superstructure Components	66	1200	0	66	437	697
Beam	3342	Clean and Paint Steel	1025	2060	1025	0	0	1035
Bearing Device	3334	Bridge Bearing	0	32	0	0	31	1
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	75	112	0	6	61	45
Deck	3326	Maintenance of Concrete Deck	24	3420	0	0	274	3146
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	96	0	0	0	96
Piles and Columns	3348	Maintenance of Concrete Substructure	0	16	0	0	16	0
Wearing Surfaces	2816	Asphalt Surface Repair	144	3000	0	24	121	2855

Element Condition and Maintenance Data

Structure Number: **320003** Inspection Date: **02/06/2019**

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	610	74	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Abrasion/Wear (PSC/RC)	ABRASION IN CURBS	2	50		Square Feet
12	Cracking (RC and Other)	24 SQUARE FEET FOOT OF MAP CRACKING IN BOTTOM OF DECK	2	24	24	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	24	0	21	3	0	Feet
515	Steel Protective Coating	103	53	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	100 % SECTION LOSS BOTTOM FLANGE AT BENT 1 1 IN WIDE X 1.5 FOOT LONG AND 5/16 IN REMAINING IN WEB 5 IN HIGH X 1 FOOT LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS BOTTOM FLANGE 1/4 IN REMAINING 2 IN LONG AT ABUTMENT 1 PRIORITY MAINTENANCE ISSUED	3	1	1	Feet
107	Corrosion	SURFACE RUST	2	21		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	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	24	0	21	3	0	Feet
515	Steel Protective Coating	103	53	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	BOTTOM FLANGE AT ABUTMENT 1 100 % SECTION LOSS 3/4 IN WIDE X 2 IN LONG PRIORITY MAINTENANCE ISSUED	3	1	1	Feet
107	Corrosion	SECTION LOSS BOTTOM FLANGE BENT 1 100 % 1 IN WIDE X 16 IN LONG , SECTION LOSS WEB 5/16 IN REMAINING 2 IN HIGH X 6 IN LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	21		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	24	22	2	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	RUST BOTTOM FLANGE AT SPALLED COATING	2	2		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	24	23	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	RUST IN BOTTOM FLANGE	2	1		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	24	23	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	RUST BOTTOM FLANGE AT SPALLED COATING	2	1		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	24	0	23	1	0	Feet
515	Steel Protective Coating	103	63	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS 100 % BOTTOM FLANGE AT BENT 1 - 3/4 IN X 12 IN LONG , SECTION LOSS WEB 3 IN HIGH X 5/16 IN REMAINING PRIORITY MAINTENANCE ISSUED	3	1	1	Feet
107	Corrosion	SURFACE RUST ON FACES	2	23		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	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	24	0	24	0	0	Feet
515	Steel Protective Coating	103	53	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	REPAIR TO BOTTOM FLANGE AND WEB 4 IN HIGH AT BENT 1, SURFACE RUST, SECTION LOSS IN WEB ABOVE REPAIR WITH 3/8 IN REMAINING	2	2		Feet
107	Corrosion	SURFACE ON WEB AND FLANGES	2	22		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	50	50	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	575	1	24	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE CRACK END BENT 1	3	24	24	Square Feet
510	Patched Area/Pothole (Wearing Surface)	POTHOLE 1/2 INCH DEEP	2	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	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	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	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	1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	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	634	50	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Abrasion/Wear (PSC/RC)	ABRASION IN CURBS	2	50		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	24	0	20	4	0	Feet
515	Steel Protective Coating	103	43	0	0	60	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	100 % SECTION LOSS BOTTOM FLANGE AT BENT 1 - 1.5 IN WIDE X 14 IN LONG , 5/16 IN REMAINING IN WEB 5 IN HIGH	3	2	2	Feet

		X 1 FOOT LONG PRIORITY MAINTENANCE ISSUED				
107	Corrosion	100 % SECTION LOSS BOTTOM FLANGE BENT 2- 1.5 IN WIDE X 10 IN LONG , SECTION LOSS WEB 3 IN HIGH X 1/4 IN REMAINING PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	60	60	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	24	0	20	4	0	Feet
515	Steel Protective Coating	103	53	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS AT BENT 1 WEB 100 % HOLE 1 IN HIGH X 4 IN LONG 1 IN UP FROM BOTTOM FLANGE AND 100 % IN BOTTOM FLANGE 1.5 IN WIDE X 12 IN LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS BOTTOM FLANGE BENT 2 - 100 % 1.5 IN WIDE X 14 IN LONG , 1/4 IN REMAINING WEB 2 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST ON WEB AND FLANGES	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	50	50	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	24	21	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Cracking	RUSTY BOTTOM FLANGE	2	3		Feet

General Comments

Span 2 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	24	23	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	RUST BOTTOM FLANGE AT SPALL IN COATING	2	1		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	24	22	2	0	0	Feet

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

General Comments

4' OF CRACKING IN CONCRETE INCASEMENT

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	24	0	20	4	0	Feet
515	Steel Protective Coating	103	63	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	100 % SECTION LOSS BOTTOM FLANGE BENT 1 EDGE 3/4 IN WIDE X 12 IN LONG , 1/4 REMAINING MIDDLE BOTTOM FLANGE , 5/16 IN REMAINING WEB 3 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS BENT 2 WEB - HOLE 1 IN DIAMETER 1 IN UP FROM BOTTOM FLANGE, 100 % SECTION LOSS IN EDGE BOTTOM FLANGE 1 IN WIDE X 12 IN LONG, 1/4 IN REMAINING IN MIDDLE BOTTOM FLANGE PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	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	24	0	20	4	0	Feet
515	Steel Protective Coating	103	53	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BOTTOM FLANGE BENT 1 -100 % 1.5 IN WIDE X 12 IN LONG , 1/4 IN REMAINING WEB 5 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS BOTTOM FLANGE BENT 2 - 100 % EDGE 1.5 IN X 12 IN , 1/4 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 FAILED	4	50	50	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 1	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	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	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	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 — 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	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	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 — 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	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	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 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	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 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 IN CURBS	2	50		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	24	0	18	6	0	Feet
515	Steel Protective Coating	103	53	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BOTTOM FLANGE BENT 2 -100 % EDGE 1.5 IN WIDE X 2 FOOT LONG 1/4 IN RM IN MIDDLE BOTTOM FLANGE , 1/4 IN REMAINING WEB 4 IN HIGH X 4 FOOT PRIORITY MAINTENANCE ISSUED	3	4	4	Feet
107	Corrosion	SECTION LOSS BOTTOM FLANGE BENT 3 - 100 % EDGE 1 IN WIDE X 1 FOOT LONG , 3/8 IN REMAINING WEB PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	18		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	24	0	20	4	0	Feet
515	Steel Protective Coating	103	53	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BOTTOM FLANGE BENT 3 - 1/4 IN REMAINING IN EDGE 14 IN LONG , 5/16 IN REMAINING WEB 5 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS WEB BENT 2 HOLE 4 IN DIAMETER 1 IN UP FROM BOTTOM FLANGE 1 FOOT FROM END , 100 % SECTION LOSS BOTTOM FLANGE 1 IN WIDE X 1 FOOT LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	50	50	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	24	21	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	RUST BOTTOM FLANGE AT SPALLED COATING	2	3		Feet

General Comments

Span 3 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	24	23	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	BOTTOM FLANGE RUST AT SPALLED COATING	2	1		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	24	0	20	4	0	Feet
515	Steel Protective Coating	103	53	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BOTTOM FLANGE BENT 2 -1/4 IN REMAINING 1 FOOT LONG , WEB 3/8 IN REMAINING 2 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS WEB BENT 3 HOLE 1 IN HIGH X 6 IN LONG 1 IN UP FROM BOTTOM FLANGE, SECTION LOSS 100 %	3	2	2	Feet

		EDGE BOTTOM FLANGE 1 IN WIDE X 14 IN LONG PRIORITY MAINTENANCE ISSUED				
107	Corrosion	SURFACE RUST	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	50	50	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	24	0	21	3	0	Feet
515	Steel Protective Coating	103	43	0	0	60	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BOTTOM FLANGE BENT 2 - 100 % IN EDGE 1.5 IN WIDE X 2 FOOT LONG , 5/16 IN REMAINING WEB 3 IN HIGH X 2 FOOT LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS BOTTOM FLANGE BENT 3 - 100 % IN EDGE 2 IN WIDE X 1 FOOT LONG , WEB 5/16 IN REMAINING 2 IN HIGH PRIORITY MAINTENANCE ISSUED	3	1	1	Feet
107	Corrosion	SURFACE RUST WEB, FLANGES	2	21		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	60	60	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 CRACKING OVER BENT 2	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 AND 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 AND 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 AND 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 AND 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 AND 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 AND 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 AND 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 AND 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	634	50	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Abrasion/Wear (PSC/RC)	ABRASION IN CURBS	2	50		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	24	0	20	4	0	Feet
515	Steel Protective Coating	103	28	0	0	75	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BOTTOM FLANGE AT BENT 3 -100 % EDGE 1.5 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 BOTTOM FLANGE AT BENT 4 -100 % IN EDGE 1 IN WIDE X 2 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST FACES	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	75	75	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	24	0	20	4	0	Feet
515	Steel Protective Coating	103	53	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS AT BENT 4 - WEB HAS HOLE 1.5 IN HIGH X 12 IN LONG 1 IN UP FROM BOTTOM FLANGE, 100 % SECTION LOSS EDGE BOTTOM FLANGE 1 IN WIDE 7 IN LONG 5 IN FROM END PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS BOTTOM FLANGE BENT 3 - 100 % IN EDGE 1 IN WIDE X 12 IN LONG 5/16 IN REMAINING MIDDLE, SECTION LOSS WEB 5/16 IN REMAINING 4 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	50	50	Square Feet

General Comments

Span 4 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	24	22	2	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	BOTTOM FLANGE RUST	2	2		Feet

General Comments

Span 4 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	24	22	2	0	0	Feet

Element Number	Defect Type	Defect Description		CS	CS Qty	Maint Qty	
107	Corrosion	RUST	BOTTOM FLANGE AT SPALLED COATING	2	2		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	24	0	20	4	0	Feet
515	Steel Protective Coating	103	63	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS EDGE BOTTOM FLANGE AT BENT 3 -100 % 1 IN WIDE X 15 IN LONG, WEB 5/16 IN REMAINING 2 IN HIGH PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS WEB AT BENT 4 WITH HOLE 1 IN HIGH X 8 IN LONG 1 IN UP FROM BOTTOM FLANGE , SECTION LOSS BOTTOM FLANGE EDGE 100 % 1.5 IN WIDE X 4 IN LONG TAPERING TO FULL REMAINING 2 FOOT LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	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	24	0	20	4	0	Feet
515	Steel Protective Coating	103	53	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS AT BENT 4 EDGE BOTTOM FLANGE 100 % 18 IN LONG X 2 IN WIDE , WEB 4 IN HIGH 5/16 IN REMAINING PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS IN EDGE BOTTOM FLANGE AT BENT 3 - 100 % 1/2 IN WIDE X 11 IN LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	20		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	50	50	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 CRACKING OVER BENT 3	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	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	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	1	0	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	
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	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	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	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	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	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	634	50	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Abrasion/Wear (PSC/RC)	ABRASION IN CURBS	2	50		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	24	0	21	3	0	Feet
515	Steel Protective Coating	103	53	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS AT BENT 4 BOTTOM FLANGE 100 % 1 IN WIDE X 6 IN LONG , WEB 3/16 IN REMAINING 3 IN HIGH X 1 FOOT LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SECTION LOSS IN BOTTOM FLANGE AT ABUTMENT 2 - 1/16 IN REMAINING IN EDGE 2 IN LONG , SECTION LOSS WEB 2 IN WIDE 5/16 IN REMAINING PRIORITY MAINTENANCE ISSUED	3	1	1	Feet
107	Corrosion	SURFACE RUST FACES	2	21		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	50	50	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	24	0	21	3	0	Feet
515	Steel Protective Coating	103	63	0	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS WEB ABUTMENT 2 WITH HOLE 1.5 IN DIAMETER 1 IN UP FROM BOTTOM FLANGE 1/2 IN FROM ABUTMENT WALL, SECTION LOSS BOTTOM FLANGE 100 % 3/4 IN WIDE X 3 IN LONG PRIORITY MAINTENANCE ISSUED	3	1	1	Feet
107	Corrosion	SECTION LOSS WEB BENT 4 - 3 IN HIGH X 8 IN LONG HOLE 1 IN UP FROM BOTTOM FLANGE OVER BEARING, SECTION LOSS 100 % BOTTOM FLANGE 1 IN WIDE X 8 IN LONG FROM BEARING OUT PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST FACES	2	21		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	4	40	40	Square Feet

General Comments

Span 5 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	24	19	5	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	RUST ON BOTTOM FLANGE	2	5		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	24	0	22	2	0	Feet
515	Steel Protective Coating	103	33	0	0	70	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS WEB BENT 4 -1 IN DIAMETER HOLE OVER BEARING , SECTION LOSS BOTTOM FLANGE 100 % IN EDGE 1 IN WIDE X 6 IN LONG BEARING OUT, PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST	2	22		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	4	70	70	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	24	0	22	2	0	Feet
515	Steel Protective Coating	103	53	0	0	50	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BOTTOM FLANGE AT BENT 4 IN EDGE 100 % 3/4 IN WIDE X 14 IN LONG , WEB 5/16 IN REMAINING 2 IN HIGH X 8 IN LONG PRIORITY MAINTENANCE ISSUED	3	2	2	Feet
107	Corrosion	SURFACE RUST WEB FLANGES	2	22		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	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	552	48	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	TRANSVERSE CRACKING BENT 4 AND END BENT 2	2	48	48	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 WITH 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 — 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 WITH 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 WITH 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 — 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 WITH UP TO 1/16 INCH SECTION LOSS	2	1		Each
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	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	40	16	24	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)	MAP CRACKING IN FACE	2	4		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	16	10	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	LONGITUDINAL CRACK SPAN 1 SIDE FACE OF CAP UNDER BEAM 1 - 2	3	2	2	Feet
234	Delamination/Spall	SURFACE SPALLING WITH EXPOSED REBAR SPAN 1 SIDE	2	10	10	Feet

General Comments

ABRASION FULL LENGTH

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)	SCALING TO 1/4" DEEP FROM HIGH WATERMARK TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

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)	SCALING 1/2" TO 3/4" DEEP FROM HIGH WATERMARK 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)	SCALING 1/2" TO 3/4" DEEP FROM HIGH WATERMARK 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	Cracking (PSC)	SCALING TO 1/4" DEEP FROM HIGH WATERMARK 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	40	8	32	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Abrasion/Wear (PSC/RC)	ABRASION	2	30		Feet
215	Cracking (RC and Other)	MAP CRACKING	2	2		Feet

General Comments

Bent 2 — Cap 2

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	28	9	15	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Delamination/Spall	4' LONG X 6" WIDE SPALL IN BOTTOM CORNER OF BENT 2 CAP WITH EXPOSED STEEL SPAN 2 SIDE OVER PILE 4	3	4	4	Feet
234	Delamination/Spall	SURFACE SPALLING WITH EXPOSED REBAR FACE OF CAP IN SPAN 2 SIDE AND SPAN 3 SIDE	2	15	23	Feet

General Comments

ABRASION FULL LENGTH

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)	SCALING TO 1/4" DEEP FROM HIGH WATERMARK TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

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)	SCALING 1/2" TO 3/4" DEEP FROM HIGH WATERMARK TO MUDLINE.	2	1		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)	SCALING 1/2" TO 3/4" DEEP FROM HIGH WATERMARK 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)	SCALING TO 1/4" DEEP FROM HIGH WATERMARK TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

Bent 3 Cap 3

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	28	16	12	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Delamination/Spall	SURFACE SPALLING WITH EXPOSED REBAR FACE OF CAP 6 FEET EACH SIDE OF CAP	2	12	12	Feet

General Comments

ABRASION FULL LENGTH

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)	SCALING TO 1/4" DEEP FROM HIGH WATERMARK 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)	SCALING 1/2" TO 3/4" DEEP FROM HIGH WATERMARK TO MUDLINE.	2	1	Each

General Comments

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)	SCALING 1/2" TO 3/4" DEEP FROM HIGH WATERMARK TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

Bent 3 — 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)	SCALING TO 1/4" DEEP FROM HIGH WATERMARK TO MUDLINE.	2	1		Each

General Comments

NOT VISIBLE

Bent 4 — Cap 4

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	28	4	24	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Delamination/Spall	SURFACE SPALLS WITH EXPOSED STEEL AND DELAMINATIONS IN FACE OF CAP SPAN 5 SIDE	2	24	24	Feet

General Comments

ABRASION FULL LENGTH

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)	SCALING TO 1/4" DEEP FROM HIGH WATERMARK 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)	SCALING 1/2" TO 3/4" DEEP FROM HIGH WATERMARK 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)	SCALING 1/2" TO 3/4" DEEP FROM HIGH WATERMARK 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)	SCALING TO 1/4" DEEP FROM HIGH WATERMARK TO MUDLINE.	2	1		Each

General Comments

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	24
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	24
Span 1	Beam 10	Plate Girder	Steel Open Girder/Beam	24
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	24
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	24
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	24
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	24
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	24
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	24
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	24
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	24
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	24
Span 2	Beam 10	Plate Girder	Steel Open Girder/Beam	24
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	24
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	24
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	24
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	24

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	24
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	24
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	24
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	24
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	24
Span 3	Beam 10	Plate Girder	Steel Open Girder/Beam	24
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	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	684
Span 4	Beam 1	Plate Girder	Steel Open Girder/Beam	24
Span 4	Beam 2	Plate Girder	Steel Open Girder/Beam	24
Span 4	Beam 3	Plate Girder	Steel Open Girder/Beam	24
Span 4	Beam 4	Plate Girder	Steel Open Girder/Beam	24
Span 4	Beam 5	Plate Girder	Steel Open Girder/Beam	24
Span 4	Beam 6	Plate Girder	Steel Open Girder/Beam	24
Span 4	Beam 7	Plate Girder	Steel Open Girder/Beam	24
Span 4	Beam 8	Plate Girder	Steel Open Girder/Beam	24
Span 4	Beam 9	Plate Girder	Steel Open Girder/Beam	24
Span 4	Beam 10	Plate Girder	Steel Open Girder/Beam	24
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	24
Span 5	Beam 2	Plate Girder	Steel Open Girder/Beam	24
Span 5	Beam 3	Plate Girder	Steel Open Girder/Beam	24
Span 5	Beam 4	Plate Girder	Steel Open Girder/Beam	24
Span 5	Beam 5	Plate Girder	Steel Open Girder/Beam	24

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 5	Beam 6	Plate Girder	Steel Open Girder/Beam	24
Span 5	Beam 7	Plate Girder	Steel Open Girder/Beam	24
Span 5	Beam 8	Plate Girder	Steel Open Girder/Beam	24
Span 5	Beam 9	Plate Girder	Steel Open Girder/Beam	24
Span 5	Beam 10	Plate Girder	Steel Open Girder/Beam	24
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	40
Bent 2	Cap 2	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	40
Bent 3	Cap 3	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
Bent 4	Cap 4	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28

General Inspection Notes

National Bridge and NC Inspection Items

Structure Number: 320003 **Inspection Date:** 02/06/2019

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	**5**
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		**0**	**3350**
Field Scour Evaluation		**G**		
Drift	G, F, P, or C	**G**	**0**	**3366**
Fender System	G, F, P, or C		**0**	**3364**
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	**G**		
Estimated Remaining Life	0 - 100 Years			
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	**Y**
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: 320003 **Inspection Date:** 02/06/2019

Item	Sign Notice Issued	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	DELINEATORS PRIORITY MAINTENANCE ISSUED						
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 21						
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 DECK DRAINS CLOGGED						
Item	Field Scour Evaluation	**Grade**	G	**Maint Code**		**Qty.**	0
Details	PLAN OF ACTION CODE R NO CHANGE IN MUDLINE FROM ESTABLISHED BASELINE						
Item	General Comments and Misc Items	**Grade**	F	**Maint Code**		**Qty.**	0
Details	MAP CRACKING AND UNEVENESS APPROACH ASPHALT WEARING SURFACE						

DEBRIS ALONG GUARDRAIL

Span 1 Wearing Surface: TRANSVERSE CRACK END BENT 1

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

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

Span 1 Beam 1: 100 % SECTION LOSS BOTTOM FLANGE AT BENT 1 1 IN WIDE X 1.5 FOOT LONG AND 5/16 IN REMAINING IN WEB 5 IN HIGH X 1 FOOT LONG PRIORITY MAINTENANCE ISSUED

Span 1 Beam 2: SECTION LOSS BOTTOM FLANGE BENT 1 100 % 1 IN WIDE X 16 IN LONG , SECTION LOSS WEB 5/16 IN REMAINING 2 IN HIGH X 6 IN LONG PRIORITY MAINTENANCE ISSUED

4' OF CRACKING IN CONCRETE INCASEMENT

End Bent 1 Abutment/Backwall : MAP CRACKING IN FACE

Span 1 Beam 9: SECTION LOSS 100 % BOTTOM FLANGE AT BENT 1 - 3/4 IN X 12 IN LONG , SECTION LOSS WEB 3 IN HIGH X 5/16 IN REMAINING PRIORITY MAINTENANCE ISSUED

SURFACE SPALL IN BENT 1 CAP SPAN 1 SIDE WITH EXPOSED STEEL

Span 2 Beam 1: 100 % SECTION LOSS BOTTOM FLANGE AT BENT 1 - 1.5 IN WIDE X 14 IN LONG , 5/16 IN REMAINING IN WEB 5 IN HIGH X 1 FOOT LONG PRIORITY MAINTENANCE ISSUED

Span 2 Beam 1: 100 % SECTION LOSS BOTTOM FLANGE AT BENT 1 - 1.5 IN WIDE X 14 IN LONG , 5/16 IN REMAINING IN WEB 5 IN HIGH X 1 FOOT LONG PRIORITY MAINTENANCE ISSUED

Span 2 Beam 2: SECTION LOSS AT BENT 1 WEB 100 % HOLE 1 IN HIGH X 4 IN LONG 1 IN UP FROM BOTTOM FLANGE AND 100 % IN BOTTOM FLANGE 1.5 IN WIDE X 12 IN LONG PRIORITY MAINTENANCE ISSUED

Span 2 Beam 2: SECTION LOSS BOTTOM FLANGE BENT 2 - 100 % 1.5 IN WIDE X 14 IN LONG , 1/4 IN REMAINING WEB 2 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 2 Beam 1: 100 % SECTION LOSS BOTTOM FLANGE BENT 2- 1.5 IN WIDE X 10 IN LONG , SECTION LOSS WEB 3 IN HIGH X 1/4 IN REMAINING PRIORITY MAINTENANCE ISSUED

Span 2 Beam 9: 100 % SECTION LOSS BOTTOM FLANGE BENT 1 EDGE 3/4 IN WIDE X 12 IN LONG , 1/4 REMAINING MIDDLE BOTTOM FLANGE , 5/16 IN REMAINING WEB 3 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 2 Beam 10: SECTION LOSS BOTTOM FLANGE BENT 1 -100 % 1.5 IN WIDE X 12 IN LONG , 1/4 IN REMAINING WEB 5 IN HIGH PRIORITY MAINTENANCE ISSUED

4' LONG X 6" WIDE SPALL IN BOTTOM CORNER OF BENT 2 CAP WITH EXPOSED STEEL

Span 2 Beam 9: SECTION LOSS BENT 2 WEB - HOLE 1 IN DIAMETER 1 IN UP FROM BOTTOM FLANGE, 100 % SECTION LOSS IN EDGE BOTTOM FLANGE 1 IN WIDE X 12 IN LONG, 1/4 IN REMAINING IN MIDDLE BOTTOM FLANGE PRIORITY MAINTENANCE ISSUED

Span 2 Beam 10: SECTION LOSS BOTTOM FLANGE BENT 2 - 100 % EDGE 1.5 IN X 12 IN , 1/4 IN REMAINING WEB 3 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 3 Beam 1: SECTION LOSS BOTTOM FLANGE BENT 2 -100 % EDGE 1.5 IN WIDE X 2 FOOT LONG 1/4 IN RM IN MIDDLE BOTTOM FLANGE , 1/4 IN REMAINING WEB 4 IN HIGH X 4 FOOT PRIORITY MAINTENANCE ISSUED

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

Span 3 Beam 2: SECTION LOSS BOTTOM FLANGE BENT 3 - 1/4 IN REMAINING IN EDGE 14 IN LONG , 5/16 IN REMAINING WEB 5 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 3 Beam 1: SECTION LOSS BOTTOM FLANGE BENT 3 - 100 % EDGE 1 IN WIDE X 1 FOOT LONG , 3/8 IN REMAINING WEB PRIORITY MAINTENANCE ISSUED

Span 3 Beam 9: SECTION LOSS BOTTOM FLANGE BENT 2 -1/4 IN REMAINING 1 FOOT LONG , WEB 3/8 IN REMAINING 2 IN HIGH PRIORITY MAINTENANCE ISSUED

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

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

Span 3 Beam 9: SECTION LOSS WEB BENT 3 HOLE 1 IN HIGH X 6 IN LONG 1 IN UP FROM BOTTOM FLANGE, SECTION LOSS 100 % EDGE BOTTOM FLANGE 1 IN WIDE X 14 IN LONG PRIORITY MAINTENANCE ISSUED

Span 4 Beam 1: SECTION LOSS BOTTOM FLANGE AT BENT 3 -100 % EDGE 1.5 IN WIDE X 2 FOOT LONG , WEB 5/16 IN REMAINING 4 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 4 Beam 2: SECTION LOSS BOTTOM FLANGE BENT 3 - 100 % IN EDGE 1 IN WIDE X 12 IN LONG 5/16 IN REMAINING MIDDLE, SECTION LOSS WEB 5/16 IN REMAINING 4 IN HIGH PRIORITY MAINTENANCE ISSUED

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

Span 4 Beam 2: SECTION LOSS AT BENT 4 - WEB HAS HOLE 1.5 IN HIGH X 12 IN LONG 1 IN UP FROM BOTTOM FLANGE, 100 % SECTION LOSS EDGE BOTTOM FLANGE 1 IN WIDE 7 IN LONG 5 IN FROM END PRIORITY MAINTENANCE ISSUED

Span 4 Beam 9: SECTION LOSS EDGE BOTTOM FLANGE AT BENT 3 -100 % 1 IN WIDE X 15 IN LONG, WEB 5/16 IN REMAINING 2 IN HIGH PRIORITY MAINTENANCE ISSUED

Span 4 Beam 10: SECTION LOSS IN EDGE BOTTOM FLANGE AT BENT 3 - 100 % 1/2 IN WIDE X 11 IN LONG PRIORITY MAINTENANCE ISSUED

Span 4 Beam 10: SECTION LOSS AT BENT 4 EDGE BOTTOM FLANGE 100 % 18 IN LONG X 2 IN WIDE , WEB 4 IN HIGH 5/16 IN REMAINING PRIORITY MAINTENANCE ISSUED

Span 4 Beam 9: SECTION LOSS WEB AT BENT 4 WITH HOLE 1 IN HIGH X 8 IN LONG 1 IN UP FROM BOTTOM FLANGE , SECTION LOSS BOTTOM FLANGE EDGE 100 % 1.5 IN WIDE X 4 IN LONG TAPERING TO FULL REMAINING 2 FOOT LONG PRIORITY MAINTENANCE ISSUED

Span 5 Beam 1: SECTION LOSS AT BENT 4 BOTTOM FLANGE 100 % 1 IN WIDE X 6 IN LONG , WEB 3/16 IN REMAINING 3 IN HIGH X 1 FOOT LONG PRIORITY MAINTENANCE ISSUED

Span 5 Beam 2: SECTION LOSS WEB BENT 4 - 3 IN HIGH X 8 IN LONG HOLE 1 IN UP FROM BOTTOM FLANGE OVER BEARING, SECTION LOSS 100 % BOTTOM FLANGE 1 IN WIDE X 8 IN LONG FROM BEARING OUT PRIORITY MAINTENANCE ISSUED

Span 5 Beam 1: SECTION LOSS IN BOTTOM FLANGE AT ABUTMENT 2 - 1/16 IN REMAINING IN EDGE 2 IN LONG , SECTION LOSS WEB 2 IN WIDE 5/16 IN REMAINING PRIORITY MAINTENANCE ISSUED

Span 5 Beam 2: SECTION LOSS WEB ABUTMENT 2 WITH HOLE 1.5 IN DIAMETER 1 IN UP FROM BOTTOM FLANGE 1/2 IN FROM ABUTMENT WALL, SECTION LOSS BOTTOM FLANGE 100 % 3/4 IN WIDE X 3 IN LONG PRIORITY MAINTENANCE ISSUED

SPALL WITH EXPOSED STEEL IN BENT 4 CAP SPAN 5 SIDE

CRACKING IN CONCRETE INCASEMENT BEAM 6 SPAN 5 AT BENT 4

Span 5 Beam 7: RUST ON BOTTOM FLANGE

Span 5 Beam 9: SECTION LOSS WEB BENT 4 -1 IN DIAMETER OVER BEARING , SECTION LOSS BOTTOM FLANGE 100 % IN EDGE 1 IN WIDE X 6 IN LONG BEARING OUT, PRIORITY MAINTENANCE ISSUED

Span 5 Beam 10: SECTION LOSS BOTTOM FLANGE AT BENT 4 IN EDGE 100 % 3/4 IN WIDE X 14 IN LONG , WEB 5/16 IN REMAINING 2 IN HIGH X 8 IN LONG PRIORITY MAINTENANCE ISSUED

GUARDRAIL TERMINAL

POSTING

LOOKING NORTH

ASPHALT WEARING SURFACE

GUARDRAIL ATTACHMENT

LOOKING EAST DOWNSTREAM

LOOKING WEST UPSTREAM

LOOKING SOUTH

EAST PROFILE 1 OF 2

EAST PROFILE 2 OF 2

ABUTMENT 1

SUPERSTRUCTURE SPAN 1

BENT 1

SUPERSTRUCTURE SPAN 3

ABUTMENT 2

WEST PROFILE

Structure: 320003 County: EDGECOMBE Date: 02/06/2019 Structure Photos

MISSING DELINEATOR SOUTH WEST CORNER SIMILAR AT NORTH EAST CORNER PRIORITY MAINTENANCE ISSUED

Stream Bed Soundings

(Profile diagram on following sheet)

County **EDGECOMBE** Structure Number: **320003** Inspection Date **02/06/2019**

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

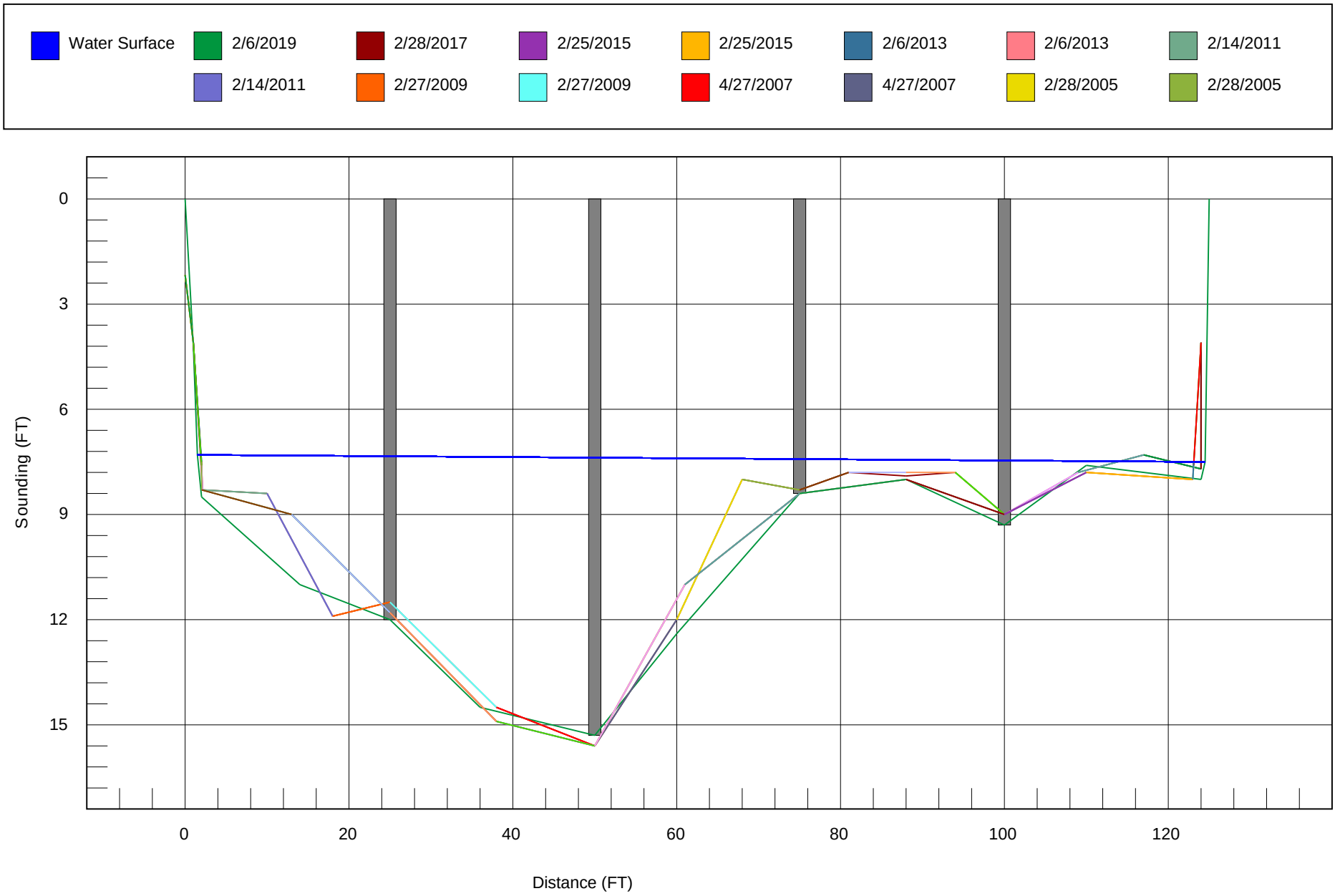
Highwater Mark Distance Location of Highwater Mark

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
1.500	7.300	0.000	WSWE
2.000	8.500	9.500	GROUND AT CAP
14.000	11.000	0.000	
25.000	12.000	13.400	BENT1
36.000	14.500	0.000	
50.000	15.300	12.500	BENT 2
60.000	12.400	0.000	
75.000	8.400	9.000	BENT 3
88.000	8.000	0.000	
100.000	9.300	9.000	BENT 4
110.000	7.600	0.000	
124.000	8.000	8.400	GROUND AT CAP
124.500	7.500	0.000	WSWE
125.000	0.000	0.000	TOP OF RAIL

Bridge: 320003 County: EDGECOMBE Date: 02/06/2019

STREAMBED PROFILE (Downstream)

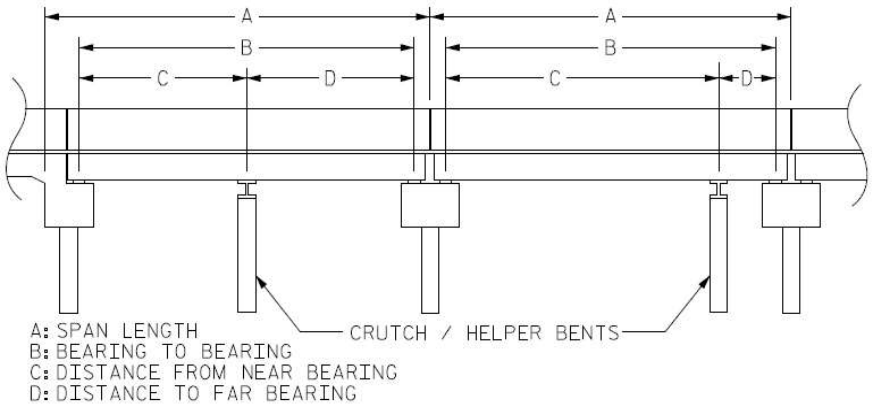
Top of Rail = 0FT (Sounding)



Structure Data Worksheet

Span Profile

County: **EDGECOMBE** Structure Number: **320003**



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: 06/11/2019

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **320003**
(8) STRUCTURE NUMBER(FEDERAL) 000000000650003
(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 0.6 MI. N. JCT. SR1411
(11)MILEPOINT 0
(16)LAT 36° 3' 30.44" (17)LONG 77° 40' 52.24"
(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 670
(30) YEAR OF ADT 2016 (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 = 35.05
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 7
(62) CULVERTS N

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD Unknown 0
(63) OPERATING RATING METHOD - Load Factor 1
(64) OPERATING RATING - HS-16 29
(65) INVENTORY RATING METHOD - Load Factor 1
(66) INVENTORY RATING - HS-9 17
(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 0111
(113)SCOUR CRITICAL BRIDGES U

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 1340 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 02/06/2019
(92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
A) FRACTURE CRIT DETAIL - NO A)
B) UNDERWATER INSP - YES 24Mo B) 10/18/2017
C) OTHER SPECIAL INSP NO C)
SCOUR

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE Run Date: 06/11/2019

COUNTY :	DIVISION :	DISTRICT:	STRUCTURE NUMBER :	LENGTH :
EDGECOMBE	4	1	320003	125 FEET

ROUTE CARRIED : SR1404

FEATURE INTERSECTED : SWIFT CREEK

LOCATED : 0.6 MI. N. JCT. SR1411

BRIDGE NAME :

CITY :

FUNC. CLASS :	SYST.ON :	SYST.UNDER :	ADT & YR :		RAIL TYPE :			
08	NFA	NFA	670	2016	LT	241	RT	241

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

REHAB :	BY :	PROJ :	ALIGNMENT :	SKEW :	LANES :			
	BMU	5.2951	TAN	90	ON	2	UNDER	0

NAVIGATION :					HT. CRN. TO BED :		WATER DEPTH :	
VC	0	FT	HC	0	FT	13 FT	8	FT

SUPERSTRUCTURE : RC DECK ON CONCRETE ENCASED I-BEAMS, WIDENED WITH I-BEAMS

SUBSTRUCTURE : ABUTS:RC FULL HEIGHT, INT.BTS:RC POST & BEAM WIDENED W/RC CAP ON PPC PILES

SPANS : 5 @ 25'0" SIMPLE

BEAMS OR GIRDERS : 6 LNS OF 16" CONCRETE ENCASED I-BEAMS, WIDENED WITH 4 LNS 14.75" I-BEAMS, ALL @ VARIOUS CENTERS

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-16	Bm3(Rated Ext)	SV	15	TTST	21	DATE	02/20/2018

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

UNDER ROUTES AND CLEARANCES

REMARKS :

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 320003 County EDGECOMBE Date: 02/06/2019

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
0	No Maintenance Required	NA	2	DELINEATORS MISSING AT SOUTH WEST AND NORTH EAST CORNER	
3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 1: SECTION LOSS BOTTOM FLANGE 1/4 IN REMAINING 2 IN LONG AT ABUTMENT 1	
3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 1: 100 % SECTION LOSS BOTTOM FLANGE AT BENT 1 - 1 IN WIDE X 1.5 FOOT LONG AND 5/16 IN REMAINING IN WEB 5 IN HIGH X 1 FOOT LONG	
3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 2: BOTTOM FLANGE AT ABUTMENT 1 100 % SECTION LOSS 3/4 IN WIDE X 2 IN LONG LEFT SIDE BOTTOM FLANGE	
3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 2: SECTION LOSS RIGHT BOTTOM FLANGE BENT 1 -100 % 1 IN WIDE X 16 IN LONG , SECTION LOSS WEB 5/16 IN REMAINING 2 IN HIGH X 6 IN LONG	
3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 9: SECTION LOSS 100 % BOTTOM FLANGE AT BENT 1 - 1 IN WIDE X 12 IN LONG , SECTION LOSS WEB 3 IN HIGH X 5/16 IN REMAINING	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 1: 100 % SECTION LOSS BOTTOM FLANGE AT BENT 1 - 1.5 IN WIDE X 15 IN LONG , 5/16 IN REMAINING IN WEB 5 IN HIGH X 1 FOOT LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 1: 100 % SECTION LOSS BOTTOM FLANGE AT BENT 2- 1.5 IN WIDE X 10 IN LONG , SECTION LOSS WEB 3 IN HIGH X 1/4 IN REMAINING	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 2: SECTION LOSS AT BENT 1 WEB 100 % HOLE 1.25 IN HIGH X 5 IN LONG 1 IN UP FROM BOTTOM FLANGE AND 100 % IN BOTTOM FLANGE 1.5 IN WIDE X 12 IN LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 9: 100 % SECTION LOSS BOTTOM FLANGE BENT 1 EDGE 3/4 IN WIDE X 12 IN LONG BOTH SIDES , 1/4 REMAINING MIDDLE OF BOTTOM FLANGE , 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: 320003 County EDGECOMBE Date: 02/06/2019

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 2 Beam 9: SECTION LOSS BENT 2 WEB - HOLE 1 IN DIAMETER 1 IN UP FROM BOTTOM FLANGE, 100 % SECTION LOSS IN EDGE BOTTOM FLANGE 1 IN WIDE X 12 IN LONG BOTH SIDES, 1/4 IN REMAINING IN MIDDLE BOTTOM FLANGE	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 10: SECTION LOSS BOTTOM FLANGE BENT 1 -100 % 1.5 IN WIDE X 12 IN LONG , 1/4 IN REMAINING WEB 5 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 10: SECTION LOSS BOTTOM FLANGE BENT 2 - 100 % EDGE 1.5 IN X 12 IN , 1/4 IN REMAINING WEB 3 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	4	Span 3 Beam 1: SECTION LOSS BOTTOM FLANGE BENT 2 -100 % EDGE 1.5 IN WIDE X 2 FOOT LONG BOTH SIDES 1/4 IN REMAINING IN MIDDLE BOTTOM FLANGE , 1/4 IN REMAINING WEB 4 IN HIGH X 4 FOOT	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 1: SECTION LOSS BOTTOM FLANGE BENT 3 - 100 % EDGE 1 IN WIDE X 1 FOOT LONG , 3/8 IN REMAINING WEB	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 2: SECTION LOSS WEB BENT 2 HOLE 4 IN DIAMETER 1 IN UP FROM BOTTOM FLANGE 1 FOOT FROM END , 100 % SECTION LOSS BOTTOM FLANGE 1 IN WIDE X 1 FOOT LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 2: SECTION LOSS BOTTOM FLANGE BENT 3 - 1/4 IN REMAINING IN EDGE 14 IN LONG , 5/16 IN REMAINING WEB 5 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 9: SECTION LOSS BOTTOM FLANGE BENT 2 -1/4 IN REMAINING 1 FOOT LONG , WEB 3/8 IN REMAINING 2 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 9: SECTION LOSS WEB BENT 3 - HOLE 1 IN HIGH X 6 IN LONG 1 IN UP FROM BOTTOM FLANGE, SECTION LOSS 100 % EDGE BOTTOM FLANGE 1 IN WIDE X 14 IN LONG	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 320003 County EDGECOMBE Date: 02/06/2019

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 3 Beam 10: SECTION LOSS BOTTOM FLANGE BENT 2 - 100 % IN EDGE 1.5 IN WIDE X 2 FOOT LONG , 5/16 IN REMAINING WEB 3 IN HIGH X 2 FOOT LONG	
3314	Maintain Steel Superstructure Components	LF	1	Span 3 Beam 10: SECTION LOSS BOTTOM FLANGE BENT 3 - 100 % IN EDGE 2 IN WIDE X 1 FOOT LONG , WEB 5/16 IN REMAINING 2 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	2	Span 4 Beam 1: SECTION LOSS BOTTOM FLANGE AT BENT 3 -100 % EDGE 1.5 IN WIDE X 2 FOOT LONG , WEB 5/16 IN REMAINING 4 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	2	Span 4 Beam 1: SECTION LOSS BOTTOM FLANGE AT BENT 4 -100 % IN EDGE 1 IN WIDE X 2 FOOT LONG , WEB 5/16 IN REMAINING 3 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	2	Span 4 Beam 2: SECTION LOSS BOTTOM FLANGE BENT 3 - 100 % IN EDGE BOTH SIDES 1 IN WIDE X 12 IN LONG 5/16 IN REMAINING MIDDLE, SECTION LOSS WEB 5/16 IN REMAINING 4 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	2	Span 4 Beam 2: SECTION LOSS AT BENT 4 - WEB HAS HOLE 1.5 IN HIGH X 12 IN LONG 1 IN UP FROM BOTTOM FLANGE, 100 % SECTION LOSS EDGE BOTTOM FLANGE 1 INCH WIDE 7 INCHES LONG 5 INCHES FROM END	
3314	Maintain Steel Superstructure Components	LF	2	Span 4 Beam 9: SECTION LOSS EDGE BOTTOM FLANGE AT BENT 3 -100 % 1 IN WIDE X 15 IN LONG, WEB 5/16 IN REMAINING 2 IN HIGH	
3314	Maintain Steel Superstructure Components	LF	2	Span 4 Beam 9: SECTION LOSS WEB AT BENT 4 WITH HOLE 1 IN HIGH X 8 IN LONG 1 IN UP FROM BOTTOM FLANGE , SECTION LOSS BOTTOM FLANGE EDGE 100 % 1.5 IN WIDE X 4 IN LONG TAPERING TO FULL REMAINING 2 FOOT LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 4 Beam 10: SECTION LOSS IN EDGE BOTTOM FLANGE AT BENT 3 - 100 % 1/2 IN WIDE X 11 IN LONG	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 320003 County EDGECOMBE Date: 02/06/2019

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 4 Beam 10: SECTION LOSS AT BENT 4 EDGE BOTTOM FLANGE 100 % 18 IN LONG X 2 IN WIDE , WEB 4 IN HIGH 5/16 IN REMAINING	
3314	Maintain Steel Superstructure Components	LF	2	Span 5 Beam 1: SECTION LOSS AT BENT 4 BOTTOM FLANGE 100 % 1 IN WIDE X 6 IN LONG , WEB 3/16 IN REMAINING 3 IN HIGH X 1 FOOT LONG	
3314	Maintain Steel Superstructure Components	LF	1	Span 5 Beam 1: SECTION LOSS IN BOTTOM FLANGE AT ABUTMENT 2 - 1/16 IN REMAINING IN EDGE 2 IN LONG , SECTION LOSS WEB 2 IN WIDE 5/16 IN REMAINING	
3314	Maintain Steel Superstructure Components	LF	2	Span 5 Beam 2: SECTION LOSS WEB BENT 4 - 3 IN HIGH X 8 IN LONG HOLE 1 IN UP FROM BOTTOM FLANGE OVER BEARING, SECTION LOSS 100 % BOTTOM FLANGE 1 IN WIDE X 8 IN LONG FROM BEARING OUT	
3314	Maintain Steel Superstructure Components	LF	1	Span 5 Beam 2: SECTION LOSS WEB ABUTMENT 2 WITH HOLE 1.5 IN DIAMETER 1 IN UP FROM BOTTOM FLANGE 1/2 IN FROM ABUTMENT WALL, SECTION LOSS BOTTOM FLANGE 100 % 3/4 IN WIDE X 3 IN LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 5 Beam 9: SECTION LOSS WEB BENT 4 -1 IN DIAMETER HOLE OVER BEARING , SECTION LOSS BOTTOM FLANGE 100 % IN EDGE 1 IN WIDE X 6 IN LONG FROM BEARING	
3314	Maintain Steel Superstructure Components	LF	2	Span 5 Beam 10: SECTION LOSS BOTTOM FLANGE AT BENT 4 IN EDGE 100 % 3/4 IN WIDE X 14 IN LONG , WEB 5/16 IN REMAINING 2 IN HIGH X 8 IN LONG	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 2: SECTION LOSS BOTTOM FLANGE AT BENT 2 - 100 % 1.5 IN WIDE X 14 IN LONG , 1/4 IN REMAINING WEB 2 IN HIGH	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 County EDGECOMBE

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

MMS Code	MMS Description	Quantity
0	No Maintenance Required	2 NA

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/06/2019	WILLIS C MAY	

Details

DELINEATORS MISSING AT SOUTH WEST AND NORTH EAST CORNER

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

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/06/2019	WILLIS C MAY	

Details

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

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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:
02/06/2019	WILLIS C MAY	

Details

Span 1 Beam 1: 100 % SECTION LOSS BOTTOM FLANGE AT BENT 1 - 1 IN WIDE X 1.5 FOOT LONG AND 5/16 IN REMAINING IN WEB 5 IN HIGH X 1 FOOT LONG

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

Location:	
Bent/Span No.	

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification Received

Submitted Date:	Submitted By:	Assisted By:
02/06/2019	WILLIS C MAY	

Details

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

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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:
02/06/2019	WILLIS C MAY	

Details

Span 1 Beam 2: SECTION LOSS RIGHT BOTTOM FLANGE BENT 1 -100 % 1 IN WIDE X 16 IN LONG , SECTION LOSS WEB 5/16 IN REMAINING 2 IN HIGH X 6 IN LONG

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

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/06/2019	WILLIS C MAY	

Details

Span 1 Beam 9: SECTION LOSS 100 % BOTTOM FLANGE AT BENT 1 - 1 IN WIDE X 12 IN LONG , SECTION LOSS WEB 3 IN HIGH X 5/16 IN REMAINING

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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:
02/06/2019	WILLIS C MAY	

Details

Span 2 Beam 1: 100 % SECTION LOSS BOTTOM FLANGE AT BENT 1 - 1.5 IN WIDE X 15 IN LONG , 5/16 IN REMAINING IN WEB 5 IN HIGH 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:
02/06/2019	WILLIS C MAY	

Details

Span 2 Beam 1: 100 % SECTION LOSS BOTTOM FLANGE AT BENT 2- 1.5 IN WIDE X 10 IN LONG , SECTION LOSS WEB 3 IN HIGH X 1/4 IN REMAINING

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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:
02/06/2019	WILLIS C MAY	

Details

Span 2 Beam 2: SECTION LOSS AT BENT 1 WEB 100 % HOLE 1.25 IN HIGH X 5 IN LONG 1 IN UP FROM BOTTOM FLANGE AND 100 % IN BOTTOM FLANGE 1.5 IN WIDE X 12 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:
02/06/2019	WILLIS C MAY	

Details

Span 2 Beam 9: 100 % SECTION LOSS BOTTOM FLANGE BENT 1 EDGE 3/4 IN WIDE X 12 IN LONG BOTH SIDES , 1/4 REMAINING MIDDLE OF BOTTOM FLANGE , 5/16 IN REMAINING WEB 3 IN HIGH

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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:
02/06/2019	WILLIS C MAY	

Details

Span 2 Beam 9: SECTION LOSS BENT 2 WEB - HOLE 1 IN DIAMETER 1 IN UP FROM BOTTOM FLANGE, 100 % SECTION LOSS IN EDGE BOTTOM FLANGE 1 IN WIDE X 12 IN LONG BOTH SIDES, 1/4 IN REMAINING IN MIDDLE BOTTOM FLANGE

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:
02/06/2019	WILLIS C MAY	

Details

Span 2 Beam 10: SECTION LOSS BOTTOM FLANGE BENT 1 -100 % 1.5 IN WIDE X 12 IN LONG , 1/4 IN REMAINING WEB 5 IN HIGH

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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:
02/06/2019	WILLIS C MAY	

Details

Span 2 Beam 10: SECTION LOSS BOTTOM FLANGE BENT 2 - 100 % EDGE 1.5 IN X 12 IN , 1/4 IN REMAINING WEB 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:
02/06/2019	WILLIS C MAY	

Details

Span 3 Beam 1: SECTION LOSS BOTTOM FLANGE BENT 2 -100 % EDGE 1.5 IN WIDE X 2 FOOT LONG BOTH SIDES 1/4 IN REMAINING IN MIDDLE BOTTOM FLANGE , 1/4 IN REMAINING WEB 4 IN HIGH X 4 FOOT

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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:
02/06/2019	WILLIS C MAY	

Details

Span 3 Beam 1: SECTION LOSS BOTTOM FLANGE BENT 3 - 100 % EDGE 1 IN WIDE X 1 FOOT LONG , 3/8 IN REMAINING WEB

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:
02/06/2019	WILLIS C MAY	

Details

Span 3 Beam 2: SECTION LOSS WEB BENT 2 HOLE 4 IN DIAMETER 1 IN UP FROM BOTTOM FLANGE 1 FOOT FROM END , 100 % SECTION LOSS BOTTOM FLANGE 1 IN WIDE X 1 FOOT LONG

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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:
02/06/2019	WILLIS C MAY	

Details

Span 3 Beam 2: SECTION LOSS BOTTOM FLANGE BENT 3 - 1/4 IN REMAINING IN EDGE 14 IN LONG , 5/16 IN REMAINING WEB 5 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:
02/06/2019	WILLIS C MAY	

Details

Span 3 Beam 9: SECTION LOSS BOTTOM FLANGE BENT 2 -1/4 IN REMAINING 1 FOOT LONG , WEB 3/8 IN REMAINING 2 IN HIGH

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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:
02/06/2019	WILLIS C MAY	

Details

Span 3 Beam 9: SECTION LOSS WEB BENT 3 - HOLE 1 IN HIGH X 6 IN LONG 1 IN UP FROM BOTTOM FLANGE, SECTION LOSS 100 % EDGE BOTTOM FLANGE 1 IN WIDE X 14 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:
02/06/2019	WILLIS C MAY	

Details

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

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/06/2019	WILLIS C MAY	

Details

Span 3 Beam 10: SECTION LOSS BOTTOM FLANGE BENT 3 - 100 % IN EDGE 2 IN WIDE X 1 FOOT LONG , WEB 5/16 IN REMAINING 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 4 Beam 1: SECTION LOSS BOTTOM FLANGE AT BENT 3 -100 % EDGE 1.5 IN WIDE X 2 FOOT LONG , WEB 5/16 IN REMAINING 4 IN HIGH

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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 1: SECTION LOSS BOTTOM FLANGE AT BENT 4 -100 % IN EDGE 1 IN WIDE X 2 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 4 Beam 2: SECTION LOSS BOTTOM FLANGE BENT 3 - 100 % IN EDGE BOTH SIDES 1 IN WIDE X 12 IN LONG 5/16 IN REMAINING MIDDLE, SECTION LOSS WEB 5/16 IN REMAINING 4 IN HIGH

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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 AT BENT 4 - WEB HAS HOLE 1.5 IN HIGH X 12 IN LONG 1 IN UP FROM BOTTOM FLANGE, 100 % SECTION LOSS EDGE BOTTOM FLANGE 1 INCH WIDE 7 INCHES LONG 5 INCHES FROM END

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 EDGE BOTTOM FLANGE AT BENT 3 -100 % 1 IN WIDE X 15 IN LONG, WEB 5/16 IN REMAINING 2 IN HIGH

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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 AT BENT 4 WITH HOLE 1 IN HIGH X 8 IN LONG 1 IN UP FROM BOTTOM FLANGE , SECTION LOSS BOTTOM FLANGE EDGE 100 % 1.5 IN WIDE X 4 IN LONG TAPERING TO FULL REMAINING 2 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 4 Beam 10: SECTION LOSS IN EDGE BOTTOM FLANGE AT BENT 3 - 100 % 1/2 IN WIDE X 11 IN LONG

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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 AT BENT 4 EDGE BOTTOM FLANGE 100 % 18 IN LONG X 2 IN WIDE , WEB 4 IN HIGH 5/16 IN REMAINING

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 1: SECTION LOSS AT BENT 4 BOTTOM FLANGE 100 % 1 IN WIDE X 6 IN LONG , WEB 3/16 IN REMAINING 3 IN HIGH X 1 FOOT LONG

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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	
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 IN BOTTOM FLANGE AT ABUTMENT 2 - 1/16 IN REMAINING IN EDGE 2 IN LONG , SECTION LOSS WEB 2 IN WIDE 5/16 IN REMAINING

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 2: SECTION LOSS WEB BENT 4 - 3 IN HIGH X 8 IN LONG HOLE 1 IN UP FROM BOTTOM FLANGE OVER BEARING, SECTION LOSS 100 % BOTTOM FLANGE 1 IN WIDE X 8 IN LONG FROM BEARING OUT

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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	
Priority Maintenance	Division Bridge Maintenance Notification Received	
Submitted Date:	Submitted By:	Assisted By:
02/07/2019	WILLIS C MAY	

Details

Span 5 Beam 2: SECTION LOSS WEB ABUTMENT 2 WITH HOLE 1.5 IN DIAMETER 1 IN UP FROM BOTTOM FLANGE 1/2 IN FROM ABUTMENT WALL, SECTION LOSS BOTTOM FLANGE 100 % 3/4 IN WIDE X 3 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 9: SECTION LOSS WEB BENT 4 -1 IN DIAMETER HOLE OVER BEARING , SECTION LOSS BOTTOM FLANGE 100 % IN EDGE 1 IN WIDE X 6 IN LONG FROM BEARING

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 320003 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 10: SECTION LOSS BOTTOM FLANGE AT BENT 4 IN EDGE 100 % 3/4 IN WIDE X 14 IN LONG , WEB 5/16 IN REMAINING 2 IN HIGH X 8 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:
02/06/2019	WILLIS C MAY	

Details

Span 2 Beam 2: SECTION LOSS BOTTOM FLANGE AT BENT 2 - 100 % 1.5 IN WIDE X 14 IN LONG , 1/4 IN REMAINING WEB 2 IN HIGH

Bridge Inspection Field Sketch

Roadway	19.333ft 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	2.167ft from road		

TAKEN 0 FT FROM SOUTH END

MODIFIED: 2/6/19 WCM

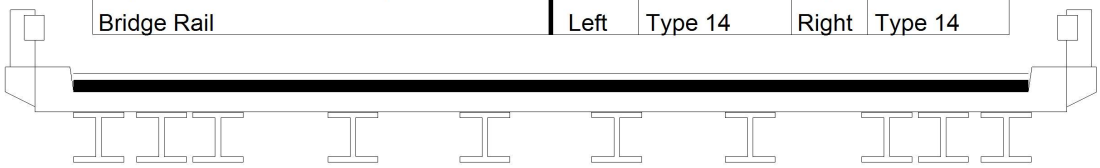
Title	**Description**
APPROACH ROADWAY	APPROACH ROADWAY

Bridge No: 320003	**Drawn By:** WCM	**Date:** 01/24/2005	**File Name:** S0026000448

Bridge Inspection Field Sketch

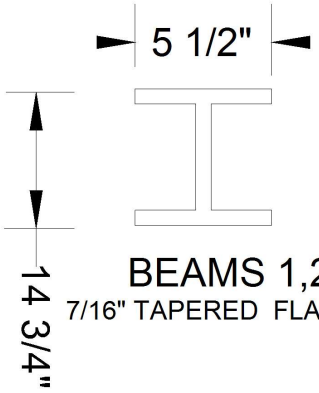
OUT TO OUT TAKEN AT GUARDRAIL POST BASES

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	0.5ft	Right	0.5ft
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



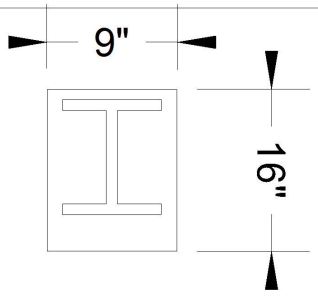
Measurements for Span #	1		
Deck Thickness	0.5	Left Overhang	1.667
Top of Rail to Bottom of Beam	4.125	Right Overhang	1.583

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	1.667ft	
2	Steel I Beam	1.5ft	
3	Steel I Beam	3.583ft	
4	Steel I Beam	3.5ft	
5	Steel I Beam	3.5ft	
6	Steel I Beam	3.542ft	
7	Steel I Beam	3.625ft	
8	Steel I Beam	1.5ft	
9	Steel I Beam	1.667ft	
10	Steel I Beam	ft	



BEAMS 1,2,9 & 10

7/16" TAPERED FLANGES WITH .410" WEB



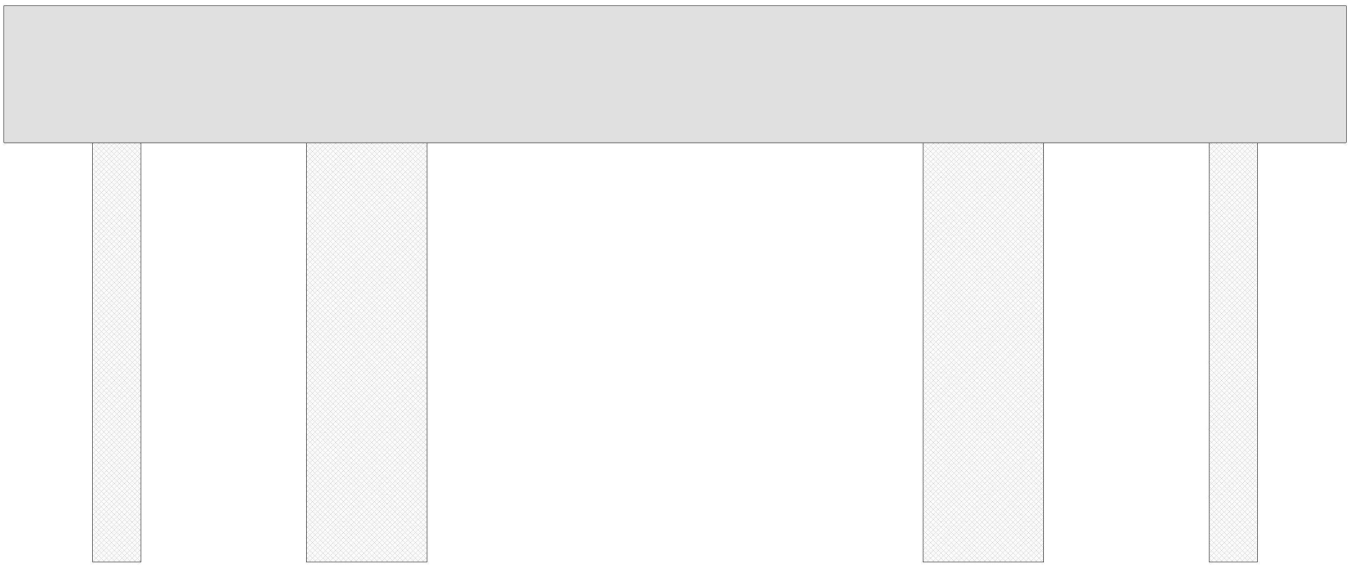
CONCRETE ENCASED BEAMS 3 - 8

MODIFIED: 2/6/19 WCM

Title	Description
TYPICAL SECTION	TYPICAL SECTION

Bridge No:	Drawn By:	Date:	File Name:
320003	WCM	01/24/2005	S0026000449

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	

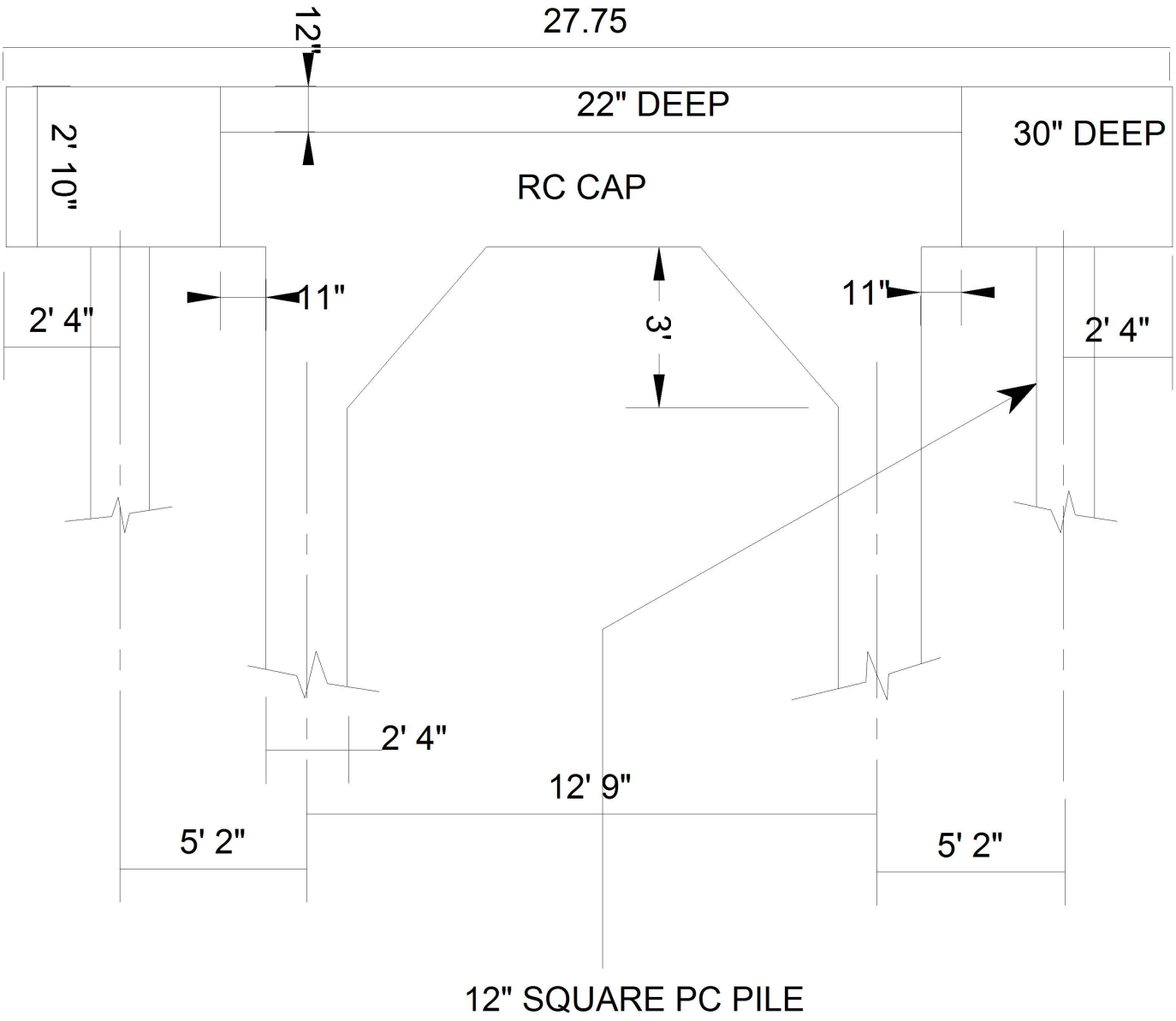
Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	5.167 ft.	1 ft.			Vertical	No	No	No	No
2	Concrete	12.75 ft.	2.5 ft.			Vertical	No	No	No	No
3	Concrete	5.167 ft.	2.5 ft.			Vertical	No	No	No	No
4	Concrete		1 ft.			Vertical	No	No	No	No

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

Title	**Description**
BENT 1	BENT 1

Bridge No: 320003	**Drawn By:** WCM	**Date:** 2/6/2019	**File Name:** S0022002053

Bridge Inspection Field Sketch

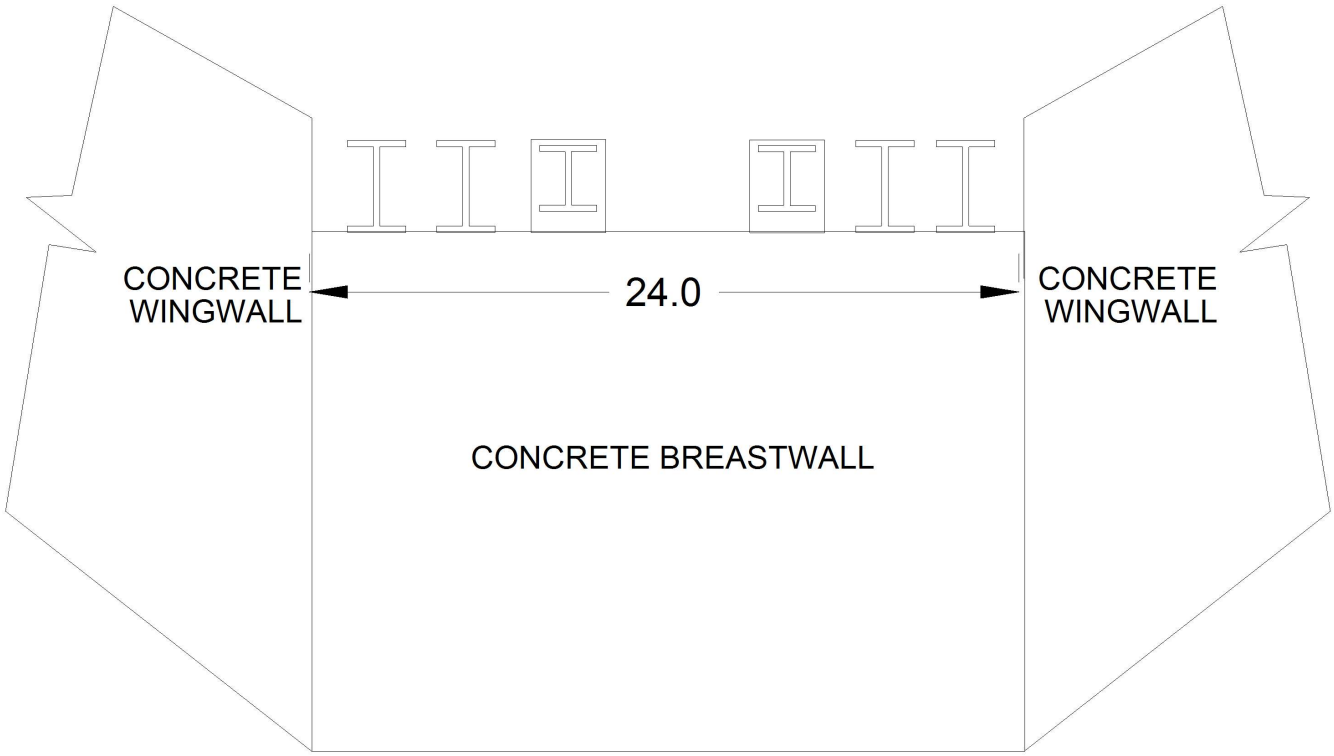


MODIFIED: 2/6/19 WCM

Title	Description
BENTS	BENTS

Bridge No:	Drawn By:	Date:	File Name:
320003	WCM	01/24/2005	S0026000451

Bridge Inspection Field Sketch



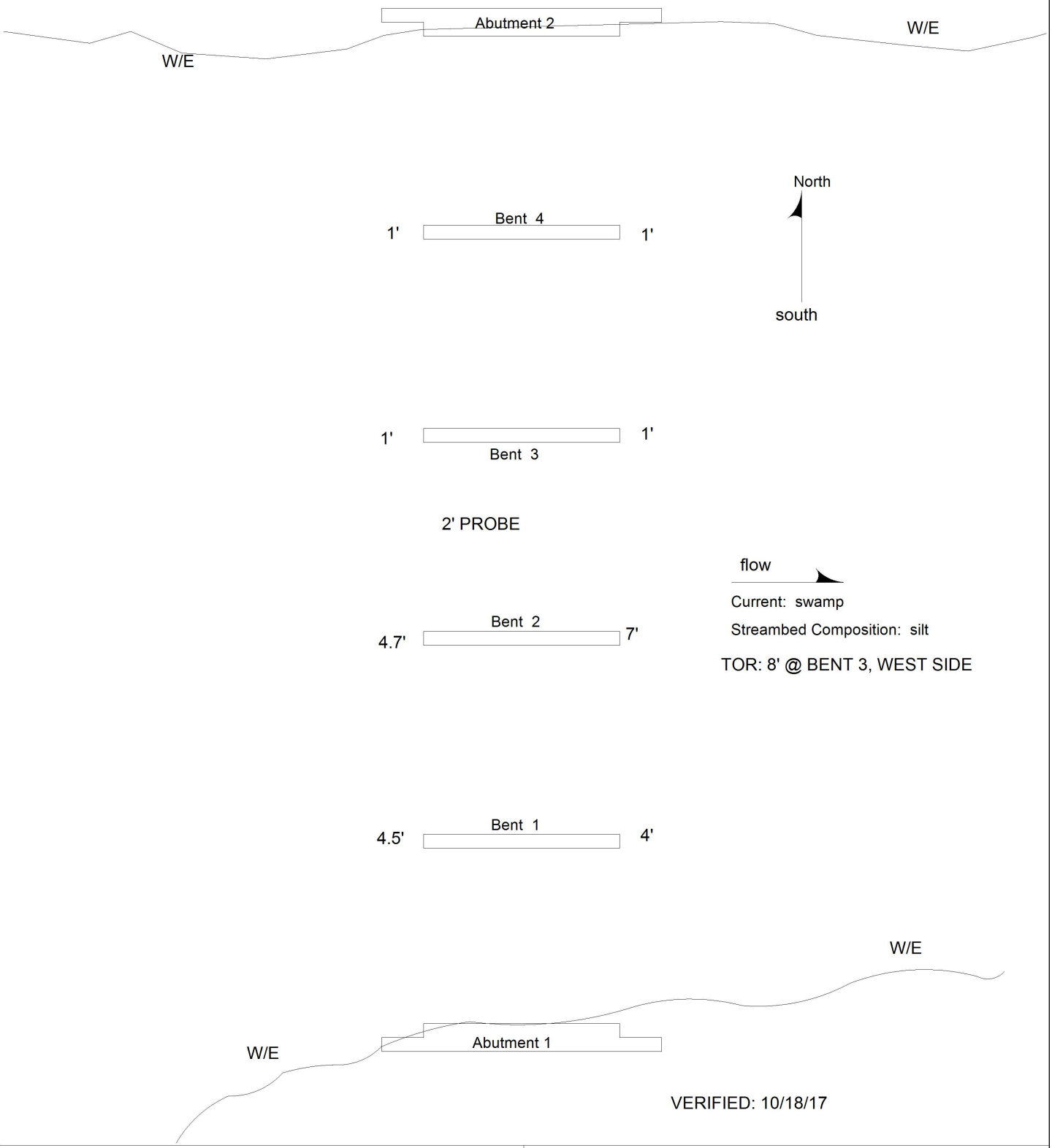
TYPICAL ABUTMENT

VERIFIED: 2/6/19 WCM

Title	Description
SUBSTRUCTURE	SUBSTRUCTURE

Bridge No:	Drawn By:	Date:	File Name:
320003	WCM	01/24/2005	S0026000450

Bridge Inspection Field Sketch



Title	Description
Edgcombe 03 plan view	Channel Plan View

Bridge No:	Drawn By:	Date:	File Name:
320003	BK	03/30/2006	S0166000048