



NC DEPARTMENT OF TRANSPORTATION ATTENTION:
 DIVISION OF HIGHWAYS
 STRUCTURE MANAGEMENT UNIT

Structure Safety Report

Routine Element Inspection

INSPECTION DATE: 10/09/2018

DIVISION: 6 COUNTY: CUMBERLAND STRUCTURE NUMBER: 250030 FREQUENCY: 24 MONTHS

FACILITY CARRIED: I95 SBL MILE POST: 40.5

LOCATION: 1.1 MI.S.JCT.NC59

FEATURE INTERSECTED: I95 LOOP NBL & SR2284

LATITUDE: 34° 55' 53.08" LONGITUDE: 78° 56' 17.99"

SUPERSTRUCTURE: RC FLOOR ON I-BEAMS & STL. PLATE GIRDERS

SUBSTRUCTURE: E.BTS:REINF.CONC.CAP ON H-PILES,INT.BTS:RCP&B/H-PILE FTGS.

SPANS: 4 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

FRACTURE CRITICAL TEMPORARY SHORING SCOUR CRITICAL SCOUR PLAN OF ACTION

GRADES: DECK 7 SUPERSTRUCTURE 7 SUBSTRUCTURE 7 CULVERT N

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: NONE



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

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS YES

LOOKING SOUTH

INSPECTED BY Ray L. Kisner	SIGNATURE <i>Ray L. Kisner</i>	ASSISTED BY Ricky Smith
-------------------------------	-----------------------------------	----------------------------

Structure Element Scoring

Structure Number: 250030

Inspection Date 10/9/2018

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	14459	14459	0	0	0
38	0	Reinforced Concrete Slabs	Deck	2914	2914	0	0	0
107	0	Steel Open Girder/Beam	Beam	2414	2414	0	0	0
515	107	Steel Protective Coating	Beam	32297	32297	0	0	0
205	0	Reinforced Concrete Column	Piles and Columns	12	12	0	0	0
215	0	Reinforced Concrete Abutment	Abutments	110	110	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	324	317	7	0	0
521	234	Concrete Protective Coating	Caps	903	903	0	0	0
301	0	Pourable Joint Seal	Expansion Joints	334	334	0	0	0
313	0	Fixed Bearing	Bearing Device	6	6	0	0	0
515	313	Steel Protective Coating	Bearing Device	18	18	0	0	0
316	0	Other Bearings	Bearing Device	42	42	0	0	0
515	316	Steel Protective Coating	Bearing Device	126	126	0	0	0
321	0	Reinforced Concrete Approach Slabs	Approaches	2225	2225	0	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	816	608	208	0	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: 250030

Inspection Date: 10/09/2018

MMS Code	Element Name	Defect Name	Recommended Quantity
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	5 Feet

Element Structure Maintenance Quantities

Structure Number: **250030**

Inspection Date **10/09/2018**

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	110	0	0	0	110
Approaches	3353	Maintenance of Concrete Bridge Approach Slabs	0	2225	0	0	0	2225
Beam	3314	Maintenance Steel Superstructure Components	0	2414	0	0	0	2414
Beam	3342	Clean and Paint Steel	0	32297	0	0	0	32297
Bearing Device	3334	Bridge Bearing	0	48	0	0	0	48
Bearing Device	3342	Clean and Paint Steel	0	144	0	0	0	144
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	5	816	0	0	208	608
Caps	3348	Maintenance of Concrete Substructure	0	324	0	0	7	317
Caps	5603	Partial Cleaning and Painting of Structural Steel	0	903	0	0	0	903
Deck	3326	Maintenance of Concrete Deck	0	17373	0	0	0	17373
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	334	0	0	0	334
Piles and Columns	3348	Maintenance of Concrete Substructure	0	12	0	0	0	12

Element Condition and Maintenance Data

Structure Number: 250030

Inspection Date: 10/09/2018

Span 1 Deck
Reinforced Concrete Deck Slab

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
38	Reinforced Concrete Slabs	2,914	2,914	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
----------------	-------------	--------------------	----	--------	-----------

General Comments

TOP OF DECK MILLED AND RESURFACED WITH SAME MEASUREMENTS 2018 , ALL SPANS ARE SIMILAR

Span 1 Left Bridge Rail
Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	69	43	26	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	HAIRLINE TRANSVERSE AND VERTICAL CRACKING	2	25	Feet
331	Delamination/Spall	SPALL 6" LONG X 2" WIDE X 1 1/2" DEEP IN TOP OF RAIL AT MID SPAN	2	1	1 Feet

General Comments

Span 1 Right Bridge Rail
Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	69	53	16	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	HAIRLINE TRANSVERSE AND VERTICAL CRACKS AT 1-4 FT. SPACING	2	12	Feet
331	Delamination/Spall	SURFACE SPALL 4 FT. LONG X 2" WIDE X 1" DEEP IN TOP OF RAIL AT 20 FT. FROM END BENT 1	2	4	4 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	147	147	0	0	0 Feet
515	Steel Protective Coating	2,218	2,218	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
----------------	-------------	--------------------	----	--------	-----------

General Comments

Span 2 **Beam 4****Plate Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	147	147	0	0	0 Feet
515	Steel Protective Coating	2,218	2,218	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
----------------	-------------	--------------------	----	--------	-----------

General Comments

Span 2 **Left Bridge Rail****Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	148	96	52	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	HAIRLINE TRANSVERSE AND VERTICAL CRACKING	2	52	Feet

General Comments

Span 2 **Right Bridge Rail****Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	148	115	33	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	HAIRLINE TRANSVERSE AND VERTICAL CRACKS AT 1-4 FT. SPACING	2	33	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	1	0	0	0 Each
515	Steel Protective Coating	3	3	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
----------------	-------------	--------------------	----	--------	-----------

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	5,654	5,654	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
----------------	-------------	--------------------	----	--------	-----------

General Comments

TOP OF DECK MILLED AND RESURFACED WITH SAME MEASUREMENTS 2018 , ALL SPANS ARE SIMILAR

Span 3 Left Bridge Rail
Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	133	104	29	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	HAIRLINE TRANSVERSE AND VERTICAL CRACKING	2	29	Feet

General Comments

Span 3 Right Bridge Rail
Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	133	105	28	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	HAIRLINE TRANSVERSE AND VERTICAL CRACKS AT 1-4 FT. SPACING	2	28	Feet

General Comments

Span 4 Left Bridge Rail
Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	58	46	12	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	HAIRLINE TRANSVERSE AND VERTICAL CRACKING	2	12	Feet

General Comments

Span 4 Right Bridge Rail
Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	58	46	12	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
----------------	-------------	--------------------	----	--------	-----------

Structure Number: **250030**Inspection Date: **10/09/2018**

331	Cracking (RC and Other)	HAIRLINE TRANSVERSE AND VERTICAL CRACKS AT 1-4 FT. SPACING	2	8	Feet
331	Delamination/Spall	4 - 2" HIGH X 1/2" DEEP SURFACE SPALLS WITH EXPOSED REBAR NEAR END BENT 2	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	64	61	3	0	0 Feet
521	Concrete Protective Coating	213	213	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	3 - 3 FT. LONG X HAIRLINE TRANSVERSE CRACKS AT 2 FT. SPACING IN BOTTOM OF CAP BETWEEN COLUMNS 3 AND 4	2	3	Feet

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	66	66	0	0	0 Feet
521	Concrete Protective Coating	132	132	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
----------------	-------------	--------------------	----	--------	-----------

General Comments

END BENT PILES NOT VISIBLE DUE TO CONC. SLOPE PROTECTION

Bent 2 Cap 1**Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	64	60	4	0	0 Feet
521	Concrete Protective Coating	213	213	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	1/32" WIDE DIAGONAL CRACK IN SPAN 2 FACE OF CAP EAST END UNDER BEAM 6	2	1	Feet
234	Cracking (RC and Other)	HAIRLINE MAP CRACKING WITH EFFLO ON EAST END OF CAP	2	3	Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
----------------	-------------	--------------------	----	--------	-----------

General Comments

VEGETATION ON ALL COLUMNS AT BENT 2

**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	1	0	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
----------------	-------------	--------------------	----	--------	-----------

General Comments

VEGETATION ON ALL COLUMNS AT BENT 2

**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	1	0	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
----------------	-------------	--------------------	----	--------	-----------

General Comments

VEGETATION ON ALL COLUMNS AT BENT 2

**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	55	55	0	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
----------------	-------------	--------------------	----	--------	-----------

General Comments

**End Bent 2 Cap 1
Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	66	66	0	0	0 Feet
521	Concrete Protective Coating	132	132	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
----------------	-------------	--------------------	----	--------	-----------

General Comments

END BENT PILES NOT VISIBLE DUE TO CONC. SLOPE PROTECTION

Bent 3**Cap 1****Reinforced Concrete Pier Cap**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	64	64	0	0	0	Feet
521	Concrete Protective Coating	213	213	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
----------------	-------------	--------------------	----	--------	-----------

General Comments**Approach 1****Reinforced Concrete Approach Slab**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
321	Reinforced Concrete Approach Slabs	1,075	1,075	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
----------------	-------------	--------------------	----	--------	-----------

General Comments

SOUTH APPROACH SLAB MILLED AND RESURFACED, SAME MEASUREMENTS, NORTH APPROACH SIMILAR

Approach 2**Reinforced Concrete Approach Slab**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
321	Reinforced Concrete Approach Slabs	1,150	1,150	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
----------------	-------------	--------------------	----	--------	-----------

General Comments

SOUTH APPROACH SLAB MILLED AND RESURFACED, SAME MEASUREMENTS, NORTH APPROACH SIMILAR

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck Slab	Reinforced Concrete Slabs	2914
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	66
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	66
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	66
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	66
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	66
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	66
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	69
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	69
Span 1	Expansion Joint	Standard Joint	Pourable Joint Seal	71
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	6334
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	147
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	147
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	147
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	147
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	147
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	147
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	148
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	148
Span 2	Expansion Joint	Standard Joint	Pourable Joint Seal	69
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	5654

Elements Verified

Location	Name	Component	Element Name	Amount
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	131
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	131
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	131
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	131
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	131
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	133
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	133
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	133
Span 3	Expansion Joint	Standard Joint	Pourable Joint Seal	64
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2471
Span 4	Beam 1	Plate Girder	Steel Open Girder/Beam	58
Span 4	Beam 2	Plate Girder	Steel Open Girder/Beam	58
Span 4	Beam 3	Plate Girder	Steel Open Girder/Beam	58
Span 4	Beam 4	Plate Girder	Steel Open Girder/Beam	58
Span 4	Beam 5	Plate Girder	Steel Open Girder/Beam	58
Span 4	Beam 6	Plate Girder	Steel Open Girder/Beam	58
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	58
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	58
Span 4	Expansion Joint	Standard Joint	Pourable Joint Seal	65
Span 4	Expansion Joint	Standard Joint	Pourable Joint Seal	65
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 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
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	64

Elements Verified

Location	Name	Component	Element Name	Amount
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	66
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	55
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	64
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	66
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	55
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	64
Bent 3	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 4	Reinforced Concrete Column	Reinforced Concrete Column	1

General Inspection Notes

Bent 1 Cap 1
END BENT PILES NOT VISIBLE DUE TO CONC. SLOPE PROTECTION

Bent 2 Abutment

Bent 2 Cap 1
END BENT PILES NOT VISIBLE DUE TO CONC. SLOPE PROTECTION

Bent 2 Pile 1
VEGETATION ON ALL COLUMNS AT BENT 2

Bent 2 Pile 2
VEGETATION ON ALL COLUMNS AT BENT 2

Bent 2 Pile 3
VEGETATION ON ALL COLUMNS AT BENT 2

Bent 3 Cap 1

Span 1 Deck
TOP OF DECK MILLED AND RESURFACED WITH SAME MEASUREMENTS 2018 , ALL SPANS ARE SIMILAR

Span 2 Beam 2

Span 2 Beam 4

Span 2 Near Bearing

Span 3 Deck
TOP OF DECK MILLED AND RESURFACED WITH SAME MEASUREMENTS 2018 , ALL SPANS ARE SIMILAR

National Bridge and NC Inspection Items

Structure Number: 250030

Inspection Date: 10/09/2018

National Bridge Inventory Items

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

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	F	150	3352
Scour	G, F, P, or C			
Wingwall	G, F, P, or C	F	4	3350
Field Scour Evaluation				
Drift	G, F, P, or C			
Fender System	G, F, P, or C			
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Estimated Remaining Life	0 - 100 Years	30		
Superstructure Paint Code		W		

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	N
Inspection Time	Hours	6
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 250030

Inspection Date: 10/09/2018

Item	Slope Protection	Grade	F	Maint Code	3352	Qty.	150
-------------	------------------	--------------	---	-------------------	------	-------------	-----

Details 50 SQUARE FOOT. FT. VEGETATION ON END BENT 1 SLOPE

VEGETATION ON END BENT 2 SLOPE 100 FT

Item	Wingwalls	Grade	F	Maint Code	3350	Qty.	4
-------------	-----------	--------------	---	-------------------	------	-------------	---

Details SOUTHWEST WINGWALL TOP SPALLED 4 FT. LONG X 12" WIDE X UP TO 4" DEEP

Item	General Comments and Misc Items	Grade		Maint Code		Qty.	0
-------------	---------------------------------	--------------	--	-------------------	--	-------------	---

Details 20 FT. GUARDRAIL AND 4 POSTS DAMAGED AT NORTHEAST CORNER



Span 1 Right Bridge Rail: SURFACE SPALL 4 FT. LONG X 2" WIDE X 1" DEEP IN TOP OF RAIL AT 20 FT. FROM END BENT 1



Span 1 Right Bridge Rail: HAIRLINE TRANSVERSE AND VERTICAL CRACKS AT 1-4 FT. SPACING



Span 2 Right Bridge Rail: HAIRLINE TRANSVERSE AND VERTICAL CRACKS AT 1-4 FT. SPACING



Span 3 Right Bridge Rail: HAIRLINE TRANSVERSE AND VERTICAL CRACKS AT 1-4 FT. SPACING



Span 4 Right Bridge Rail: HAIRLINE TRANSVERSE AND VERTICAL CRACKS AT 1-4 FT. SPACING



Span 4 Right Bridge Rail: 4 - 2" HIGH X 1/2" DEEP SURFACE SPALLS WITH EXPOSED REBAR NEAR END BENT 2



20 FT. GUARDRAIL AND 4 POSTS DAMAGED AT NORTHEAST CORNER



Span 4 Left Bridge Rail: HAIRLINE TRANSVERSE AND VERTICAL CRACKING



Span 3 Left Bridge Rail: HAIRLINE TRANSVERSE AND VERTICAL CRACKING



Span 2 Left Bridge Rail: HAIRLINE TRANSVERSE AND VERTICAL CRACKING



Span 1 Left Bridge Rail: HAIRLINE TRANSVERSE AND VERTICAL CRACKING



Span 1 Left Bridge Rail: SPALL 6" LONG X 2" WIDE X 1 1/2" DEEP IN TOP OF RAIL AT MID SPAN



SOUTHWEST WINGWALL TOP SPALLED 4 FT. LONG X 12" WIDE X UP TO 4" DEEP



50 SQUARE FOOT. FT. VEGETATION ON END BENT 1 SLOPE



Bent 1 Cap 1: 3 - 3 FT. LONG X HAIRLINE TRANSVERSE CRACKS AT 2 FT. SPACING IN BOTTOM OF CAP BETWEEN COLUMNS 3 AND 4



Bent 2 Cap 1: HAIRLINE MAP CRACKING WITH EFFLO ON EAST END OF CAP



Bent 2 Cap 1: 1/32" WIDE DIAGONAL CRACK IN SPAN 2 FACE OF CAP EAST END UNDER BEAM 6



VEGETATION ON ALL COLUMNS AT BENT 2



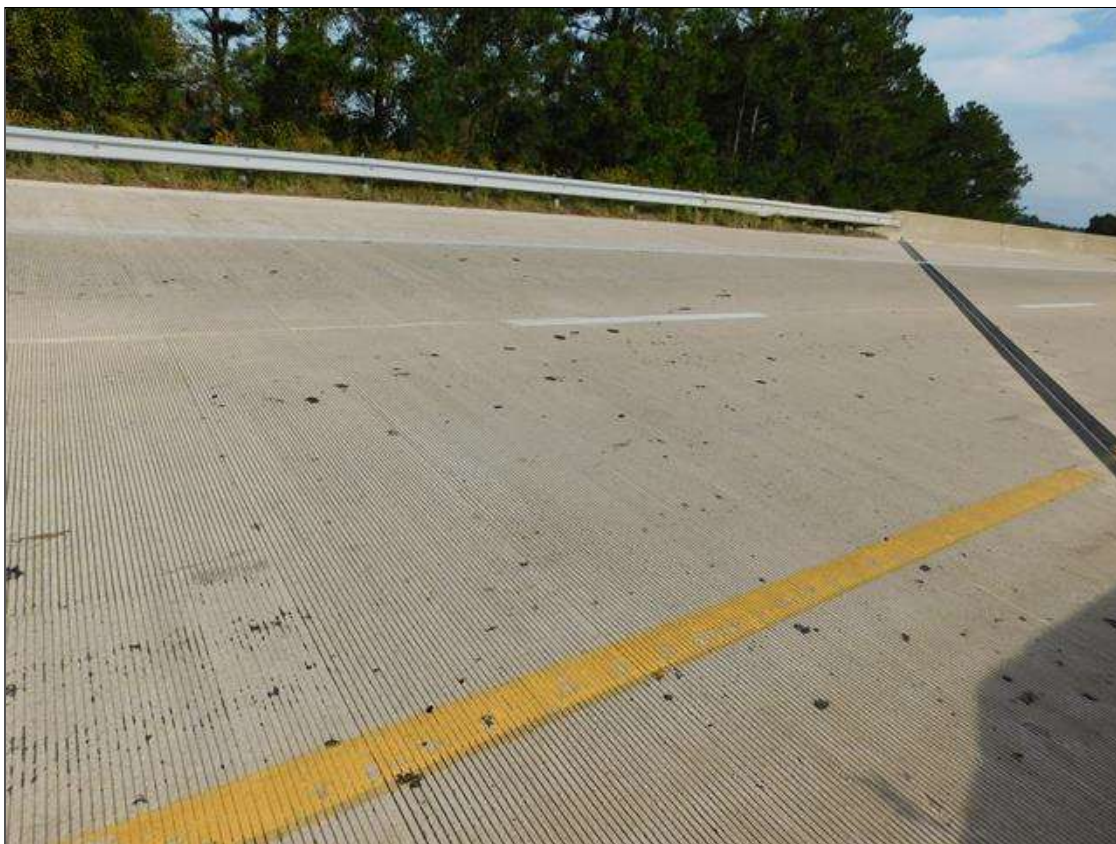
VEGETATION ON END BENT 2 SLOPE 100 FT



EAST PROFILE



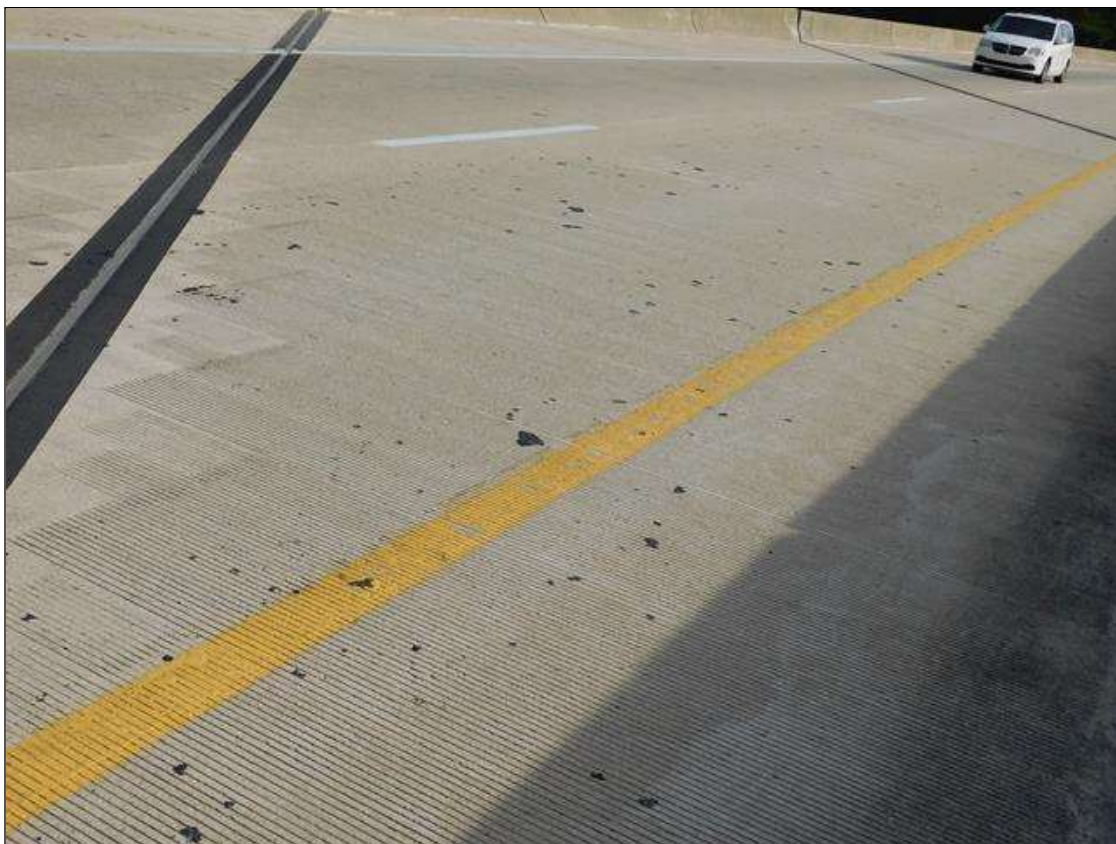
LOOKING NORTH, SOUTHBOUND LANE



SOUTH APPROACH SLAB MILLED AND RESURFACED, SAME MEASUREMENTS, NORTH APPROACH SIMILAR



END BENT 1 JOINT, NEW END BENT 2 SIMILAR



TOP OF DECK MILLED AND RESURFACED WITH SAME MEASUREMENTS 2018 , ALL SPANS ARE SIMILAR



GUARDRAIL CONNECTION



GUARDRAIL POST SPACING AT TRANSITION



LOOKING SOUTH



GUARDRAIL END TERMINAL



LOOKING NORTH, OFF BRIDGE



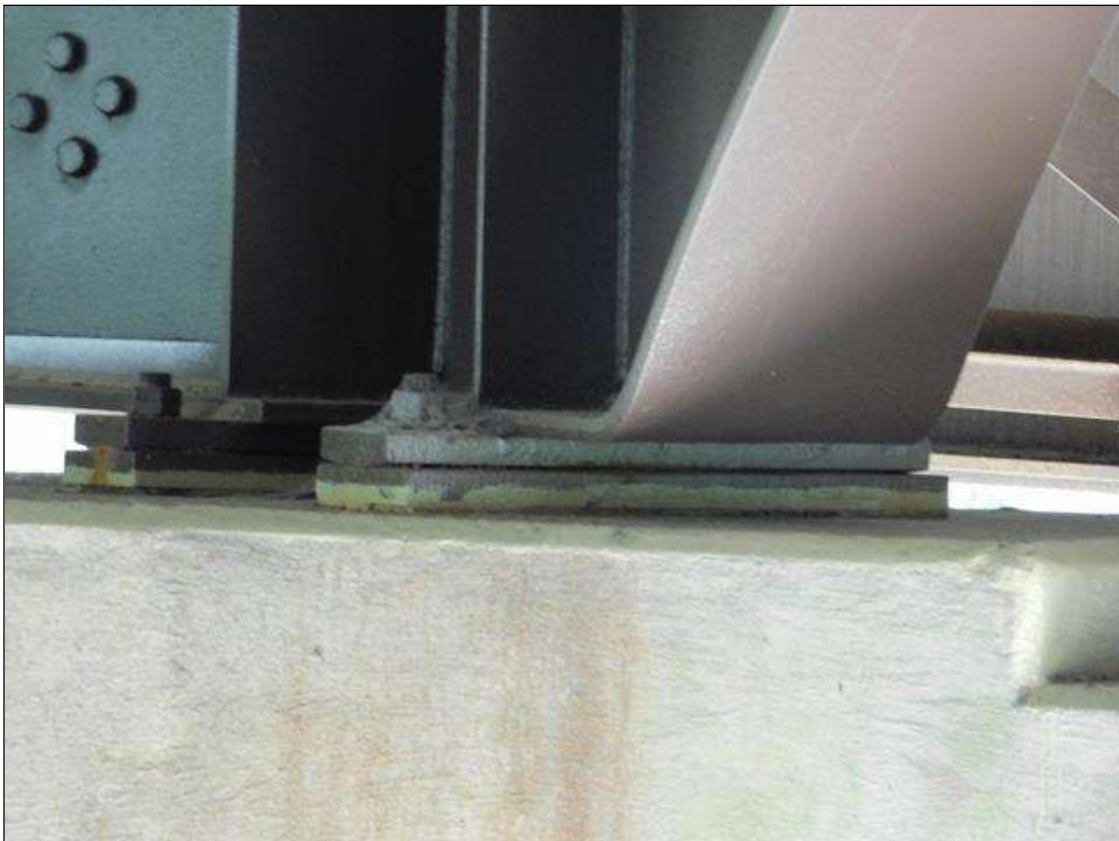
LOOKING SOUTH, OFF BRIDGE



LOOKING WEST, NORTH 95 BUS.



END BENT 1



SPAN 1 BEAM 4 FAR BEARING



SPAN 2 SUPERSTRUCTURE, SPAN 3 SIMILAR



BENT 2



LOOKING WEST, NORTH 95 BUS. THRU SPAN 2



BENT 3



LOOKING WEST, SR 2284 THRU SPAN 3



END BENT 2



SPAN 4 SUPERSTRUCTURE, SPAN 1 SIMILAR



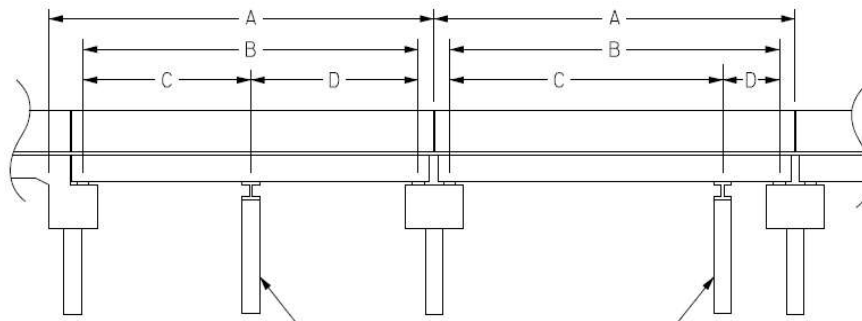
BENT 1

Structure Data Worksheet

Span Profile

County: **CUMBERLAN**
D

Structure Number: **250030**



A: SPAN LENGTH
 B: BEARING TO BEARING
 C: DISTANCE FROM NEAR BEARING
 D: DISTANCE TO FAR BEARING

Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	68.020	65.500			
2	147.870	145.959			
3	132.010	130.383			
4	57.670	55.042			

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

Run Date: 10/29/2018

IDENTIFICATION

(1) STATE NAME -NORTH CAROLINA BRIDGE **250030**
 (8) STRUCTURE NUMBER(FEDERAL) 00000000510030
 (5) INVENTORY ROUTE (ON/UNDER) - ON 11000950
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 2
 (3) COUNTY CODE 51 (4) PLACE CODE 32640
 (6) FEATURE INTERSECTED - I95 LOOP NBL & SR2284
 (7) FACILITY CARRIED I95 SBL
 (9) LOCATION 1.1 MI.S.JCT.NC59
 (11)MILEPOINT 40.5
 (16)LAT 34° 55' 53.08" (17)LONG 78° 56' 17.99"
 (98)BORDER BRIDGE STATE CODE PCT SHARE
 (99)BORDER BRIDGE STRUCTURE NO

SUFFICIENCY RATING = 96.84
 STATUS = Not Deficient

CLASSIFICATION CODE

(112)NBIS BRIDGE SYSTEM - YES
 (104)HIGHWAY SYSTEM Is on the NHS 1
 (26) FUNCTIONAL CLASS - Arterial - Interstate 11
 (100)STRAHNET HIGHWAY - Interstate STRAHNET Route 1
 (101)PARALLEL STRUCTURE - Left Parallel Structure L
 (102)DIRECTION OF TRAFFIC - 1-way Traffic 1
 (103)TEMPORARY STRUCTURE -
 (110)DESIGNATED NATIONAL NETWORK - On the National Network 1
 (20) TOLL On Free Road 3
 (31) MAINTAIN - State Highway Agency 01
 (22) OWNER - State Highway Agency 01
 (37) HISTORICAL SIGNIFICANCE - Not Eligible 5

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 4
 (46) NUMBER OF APPROACH SPANS
 (107)DECK STRUCTURE TYPE - 1 CODE
 (108)WEARING SURFACE / PROTECTIVE SYSTEM :
 (A) TYPE OF WEARING SURFACE - CODE
 (B) TYPE OF MEMBRANE - CODE
 (C) TYPE OF DECK PROTECTION - CODE

CONDITION CODE

(58) DECK 7
 (59) SUPERSTRUCTURE 7
 (60) SUBSTRUCTURE 7
 (61) CHANNEL & CHANNEL PROTECTION N
 (62) CULVERTS N

LOAD RATING AND POSTING CODE

(31) DESIGN LOAD HS 20 + MOD 6
 (63) OPERATING RATING METHOD - Load Factor 1
 (64) OPERATING RATING - HS-53 95
 (65) INVENTORY RATING METHOD - Load Factor 1
 (66) INVENTORY RATING - HS-32 57
 (70) BRIDGE POSTING - No Posting Required 5
 (41) STRUCTURE OPEN, POSTED ,OR CLOSED A
 DESCRIPTION - Open, No Restriction

AGE AND SERVICE

(27) YEAR BUILT 1980
 (106)YEAR RECONSTRUCTED
 (42) TYPE OF SERVICE : ON - Overpass - Interchange
 UNDER - Highway CODE 61
 (28) LANES: ON STRUCTURE 2 UNDER STRUCTURE 4
 (29) AVERAGE DAILY TRAFFIC 15500
 (30) YEAR OF ADT 2013 (109) TRUCK ADT PCT 16%
 (19) BYPASS OR DETOUR LENGTH 1 MI

APPRAISAL CODE

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

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 146 FT
 (49) STRUCTURE LENGTH 406 FT
 (50)CURB OR SIDEWALK: LEFT 0 FT RIGHT 0 FT
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 40.167 FT
 (52) DECK WIDTH OUT TO OUT 43 FT
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 38 FT
 (33) BRIDGE MEDIAN - No Median CODE 1
 (34) SKEW 53° (35) STRUCTURE FLARED 0
 (10) INVENTORY ROUTE MIN VERT CLEAR 999.9 FT
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 40.167 FT
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9 FT
 (54) MIN VERT UNDERCLEAR REF Highway 19.3 FT
 (55) MIN LAT UNDERCLEAR RT REF Highway 30.167 FT
 (56) MIN LAT UNDERCLEAR LT REF - 19.417 FT

PROPOSED IMPROVEMENTS CODE

(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 31000 (115) YEAR FUTURE ADT 2025

INSPECTIONS

(90) INSPECTION DATE 10/09/2018
 (92) CRITICAL FEATURE INSPECTION : (93) CFI DATE
 A) FRACTURE CRIT DETAIL - NO A)
 B) UNDERWATER INSP - NO B)
 C) OTHER SPECIAL INSP NO C)
 SCOUR

NAVIGATION DATA

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

Structure No: 250030

County: CUMBERLAN
D

Run Date:

Span Number	Feature Intersected	Inventory Route	Minimum Maximum Vertical Clearance	Milepoint	Base Highway Network	LRS Inventory Route	Toll	Functional Classification	Numer of Lanes	Average Daily Traffic	Year of Average Daily Traffic	Total Horizontal Clearance	See Note 1							
													Reference Feature	Minimum Vertical Underclearance	Right Lateral Underclearance	Left Lateral Underclearance	Underclearance Appraisal Grade	STRAHNET Highway Designator	Direction of Traffic	Highway System of Route
	6	5	10	11	12	13	20	26	28	29	30	47	54A	54	55	56	69	100	102	104
2	I 95 N	16000950	19.4	40.50	1	10095		11	2	17000	2012	73.83	H	19.3	30.17	19.42	9	1	1	1
3	SR2284	31022840	17.9	40.50	0			19	2	1200	2012	49.92	H	17.85	26.17		9	0	2	0

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

BRIDGE MANAGEMENT UNIT

DATA ON EXISTING STRUCTURE

Run Date: 10/29/2018

COUNTY : CUMBERLAND DIVISION : 6 DISTRICT : 2 STRUCTURE NUMBER : 250030 LENGTH : 406 FEET

ROUTE CARRIED : I95 SBL FEATURE INTERSECTED : I95 LOOP NBL & SR2284

LOCATED : 1.1 MI.S.JCT.NC59 BRIDGE NAME : CITY : * HOPE MILLS

FUNC. CLASS : 11 SYST.ON : FA SYST.UNDER : NFA ADT & YR : 15500 2013 RAIL TYPE : LT 41 RT 41

BUILT : 1980 BY : DOH PROJ : 8.1347405 FED.AID PROJ : I-95-2(41)39 DESIGN LOAD : HS 20 + MOD

REHAB : BY : PROJ : ALIGNMENT : RT SKEW : 143 LANES : ON 2 UNDER 4

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

SUPERSTRUCTURE : RC FLOOR ON I-BEAMS & STL. PLATE GIRDERS

SUBSTRUCTURE : E.BTS:REINF.CONC.CAP ON H-PILES,INT.BTS:RCP&B/H-PILE FTGS.

SPANS : 1@68',1@147'-10 7/16",1@132'-1/18",1@57'-8"

BEAMS OR GIRDERS : 6-LINES @ 7'-6"CTS.;SPNS.1&4: W36X135 I-BMS; SPNS 2&3 PLT.GIRDERS

FLOOR : 8.5" RC / 1.25" LATEX MODIFIED CONCRETE OVERLAY ENCROACHMENT : DECK (OUT TO OUT) : 43 FT

CLEAR ROADWAY : 40.167 FT BETWEEN RAILS : 40.167 FT SIDEWALK OR CURB : LT 0 FT RT 0 FT

VERT.CL.OVER : 999.9 FT

INV.RTG. : HS-32 OPE.RTG. : HS-53 CONTR.MEMBER : Span A POSTED : SV TTST DATE

SYSTEM : Primary Interstate GREEN LINE ROUTE : Y

UNDER ROUTES AND CLEARANCES

Span	Route Description	Vertical Clearances		Horizontal Clearances		
		MMVC	MVC	Total	Left	Right
2	I 95 N	19.40	19.30	73.8340	19.4170	30.1670
3	SR2284	17.90	17.85	49.9170	0	26.1670

Note: All measurements are in feet.

REMARKS :

Bridge Inspection Field Sketch

(I-95 SOUTH)
OVER I-95 BUS LOOP NBL AND SR-2284 @ M.P. 40.5



MEASURED AT 10FT. NORTH OF STRUCTURE

Roadway	23' 3" Wide	2 Paved Lanes	Looking South
Left Shoulder	9ft Wide	4ft Paved	3' 4" Unpaved
Right Shoulder	20ft Wide	10' 10" Paved	
Left Median	15ft Wide		
Left Guardrail			
Right Guardrail			

MEASUREMENTS VERIFIED BY RLK 11/2/10

MEASUREMENTS VERIFIED BY RLK 10/9/12

MEASUREMENTS VERIFIED BY RLK 10/2/14

MEASUREMENTS VERIFIED BY RLK 10/19/16

MEASUREMENTS VERIFIED BY RLK 10/9/18

Title

Approach Roadway

Description

Looking South

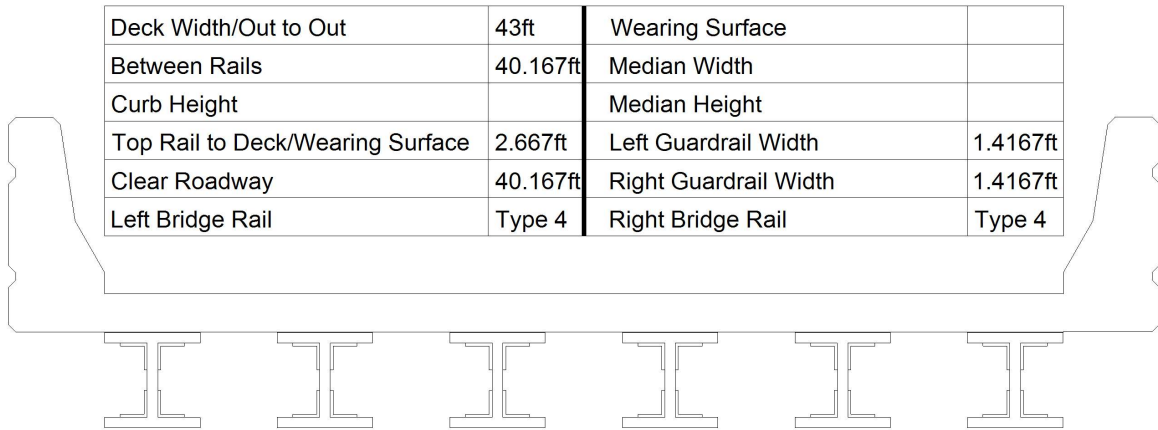
Bridge No: 250030

Drawn By: CLS

Date: 02/05/2007

File Name: S0234001051

Bridge Inspection Field Sketch

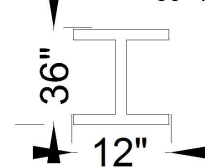


Measurements for Span #	2	ALL SPANS SIMILAR	
Deck Thickness	0.7083	Left Overhang	2.75
Top of Rail to Bottom of Beam	6.583	Right Overhang	2.75

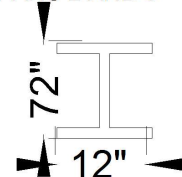
Beam No	Beam Type	Spacing	Comments
1	Steel Buildup Beam	7.5ft	
2	Steel Buildup Beam	7.5ft	
3	Steel Buildup Beam	7.5ft	
4	Steel Buildup Beam	7.5ft	
5	Steel Buildup Beam	7.5ft	
6	Steel Buildup Beam		

MEASUREMENTS VERIFIED BY RLK 11/2/10
 MEASUREMENTS VERIFIED BY RLK 10/9/12
 MEASUREMENTS VERIFIED BY RLK 10/2/14
 MEASUREMENTS VERIFIED BY RLK 10/19/16
 MEASUREMENTS VERIFIED BY RLK 10/9/18

SPANS 1 AND 4 HAUNCHED BEAMS
36" TO 72"



FLANGE= 3/4" WEB= 1/2"
SPANS 2 AND 3



INT. DIAPS. AT 1/3 & 2/3 POINTS IN SPANS 1 AND 4

INT. DIAPS. AT 18' SPACING, 7 SETS TOTAL SPANS 2 & 3

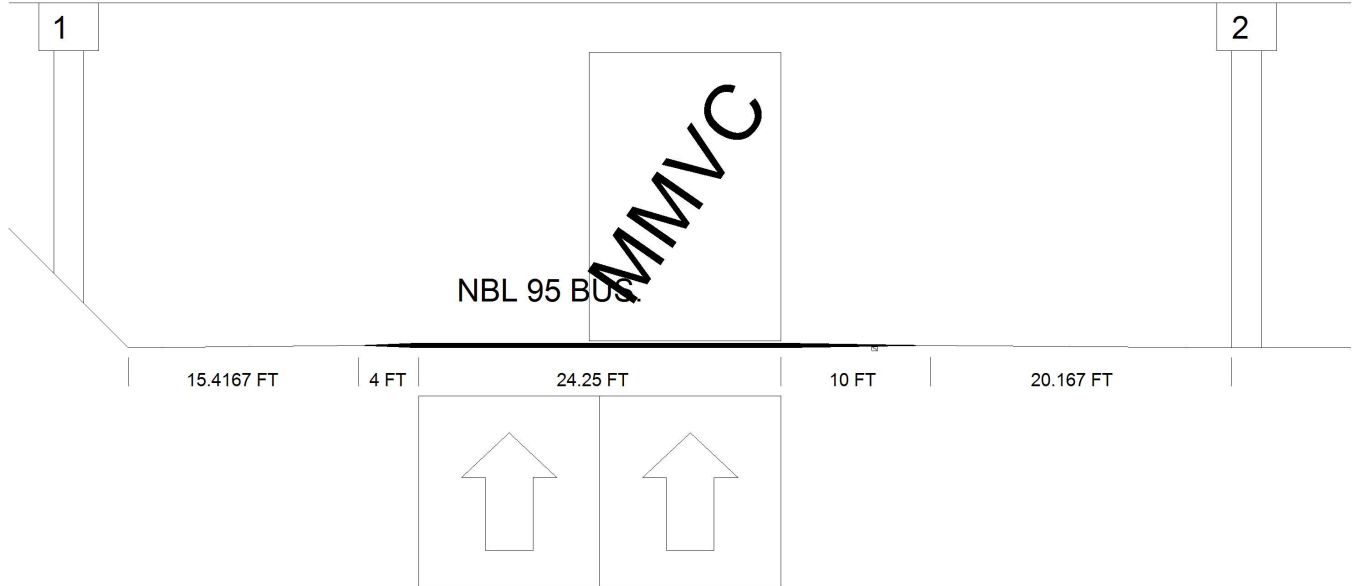
FLANGE= 1" WEB= 1/2"

Title SUPERSTRUCTURE		Description 6 Steel Plate Girders		
Bridge No: 250030	Drawn By: CLS	Date: 02/05/2007	File Name: S0234001052	

Bridge Inspection Field Sketch

I-95 SBL MP 40.5

Span 2



Roadway 1		Direction of Traffic	North
Distance to Left Rail		Distance to Right Rail	
Distance to Left Toe of Slope	19.417FT	Distance to Left Bent	31.417FT
Distance to Right Toe of Slope		Distance to Right Bent	30.167FT
MMVC	19.4 Ft at Beam 6. -10 FT from RIGHT WHITE LINE		
MVC	19.3 Ft at Beam 6. 0 FT from AT LEFT YELLOW LINE		

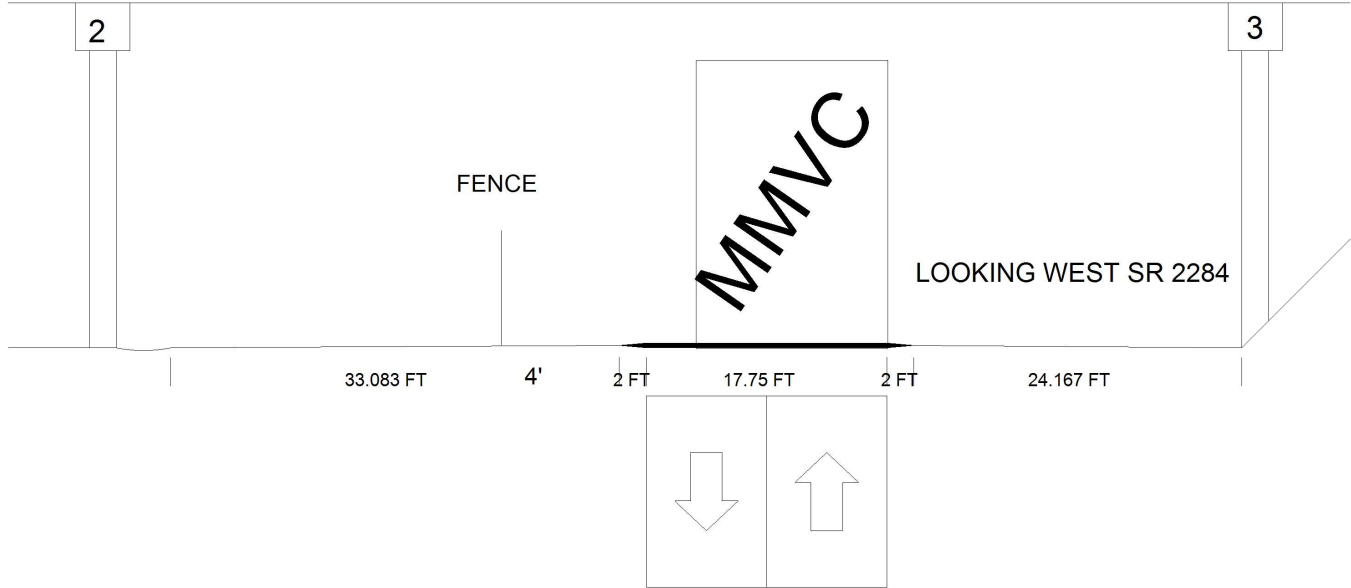
MEASUREMENTS VERIFIED BY RLK 10/2/14
 MEASUREMENTS VERIFIED BY RLK 10/19/16
 MEASUREMENTS VERIFIED BY RLK 10/9/18

Title Clearance Span 2	Description Looking North (1-95 Bus. NBL)
Bridge No: 250030	Drawn By: RLK
Date: 10/09/2012	File Name: S0234001053

Bridge Inspection Field Sketch

I-95 SBL MP 40.5

Span 3



Roadway 1		Direction of Traffic	East West
Distance to Left Rail		Distance to Right Rail	
Distance to Left Toe of Slope		Distance to Left Bent	39.083FT
Distance to Right Toe of Slope	26.167FT	Distance to Right Bent	26.167FT
MMVC	17.9 Ft at Beam 6, 10 FT from RIGHT WHITE LINE		
MVC	17.85 Ft at Beam 6, 0 FT from AT LEFT WHITE LINE		

MEASUREMENTS VERIFIED BY RLK 10/2/14

MEASUREMENTS VERIFIED BY RLK 10/19/16

MEASUREMENTS VERIFIED BY RLK 10/9/18

Title

Clearance, SPAN 3

Description

Looking West (SR 2284)

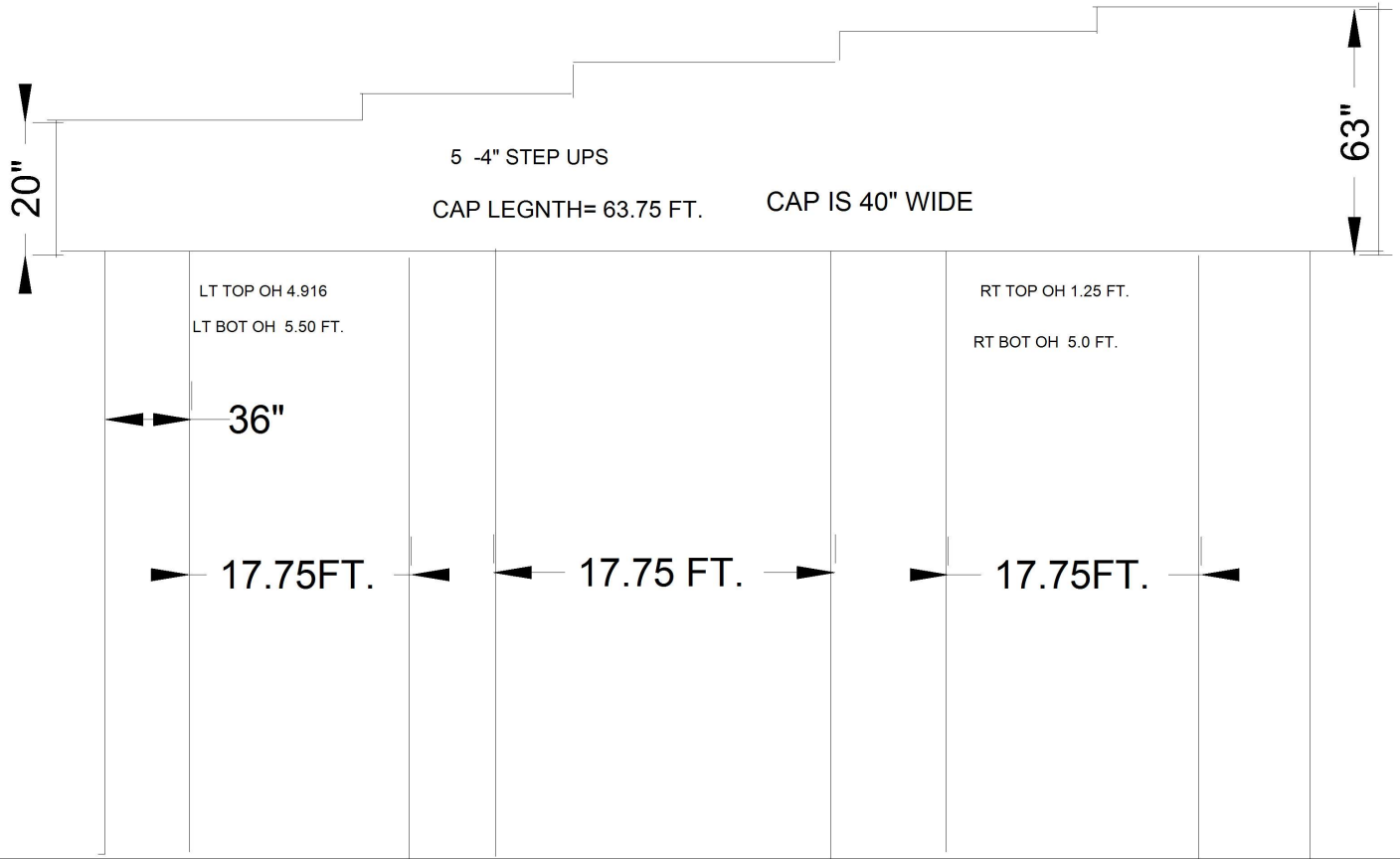
Bridge No: 250030

Drawn By: RLK

Date: 10/09/2012

File Name: S0234001054

Bridge Inspection Field Sketch



EBTS: H-PILES NOT VISIBLE DUE TO SLOPE PROTECTION
 MEASUREMENTS VERIFIED BY RLK 11/2/10
 MEASUREMENTS VERIFIED BY RLK 10/9/12
 MEASUREMENTS REVISED BY RLK 10/2/14
 MEASUREMENTS VERIFIED BY RLK 10/19/16
 MEASUREMENTS VERIFIED BY RLK 10/9/18

Title
SUBSTRUCTURE

Description
SIMILAR INTERIOR BENTS

Bridge No: 250030

Drawn By: RLK

Date: 12/9/2008

File Name: S0098000698