NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PAR ISSUED.

Structure Safety Report

Routine Element Inspection

INSPECTION DATE: 06/06/2019

DIVISION: 4 **COUNTY:** JOHNSTON **STRUCTURE NUMBER:** 500067 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: US701 **MILE POST:**

LOCATION: 0.13 MI. N. JCT. SR1009 0.13 MILES NORTH OF JCT. US701 & SR1009

FEATURE INTERSECTED: I95

LATITUDE: 35° 27' 27.27" **LONGITUDE:** 78° 23' 21.01"

SUPERSTRUCTURE: REINFORCED CONCRETE DECK/I-BEAMS

SUBSTRUCTURE: E.BTS&BTS:RC CAP/PPC PILES@6'CTS.

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

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

NBI GRADES: **DECK** 6 **SUPERSTRUCTURE** 6 **SUBSTRUCTURE** 5 **CULVERT** N

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

OTHER SIGNS PRESENT: NONE

LOOKING NORTH

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

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS

INSPECTED BY	SIGNATURE	ASSISTED BY
RICHARD P. STEIGER JR.	Richard P. Steiger	WAYNE T. WILKINSON

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

10/28/2019

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE **500067**
(8) STRUCTURE NUMBER (FEDERAL) **1010067**
(5) INVENTORY ROUTE (ON/UNDER) ON **121007010**
(2) STATE HIGHWAY DEPARTMENT DISTRICT **4**
(3) COUNTY CODE (FEDERAL) **101** (4) PLACE CODE **62520**
(6) FEATURE INTERSECTED **I95**
(7) FACILITY CARRIED **US701**
(9) LOCATION **0.13 MI. N. JCT. SR1009**
(11) MILEPOINT **0.0**
(12) BASE HIGHWAY NETWORK
(13) LRS INVENTORY ROUTE & SUBROUTE **0**
(16) LATITUDE **35° 27' 27.27"** (17) LONGITUDE **78° 23' 21.01"**
(98) BORDER BRIDGE STATE CODE PERCENT SHARED
(99) BORDER BRIDGE STRUCTURE NUMBER

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN **Steel**
TYPE **Stringer/Multi-beam or girder** CODE **302**
(44) STRUCTURE TYPE APPROACH
TYPE CODE
(45) NUMBER OF SPANS IN MAIN UNIT **4**
(46) NUMBER OF SPANS IN APPROACH **0**
(107) DECK STRUCTURE TYPE CODE **1**
(108)WEARING SURFACE/PROTECTIVE SYSTEM
(A) TYPE OF WEARING SURFACE CODE **6**
(B) TYPE OF MEMBRANE CODE **0**
(C) TYPE OF DECK PROTECTION CODE **0**

AGE AND SERVICE

(27) YEAR BUILT **1957**
(106) YEAR RECONSTRUCTED **2009.000000**
(42) TYPE OF SERVICE ON - **Overpass Structure**
OFF - **Highway** CODE **61**
(28) LANES ON STRUCTURE **2** LANES UNDER STRUCTURE **4**
(29) AVERAGE DAILY TRAFFIC **8300**
(30) YEAR OF ADT **2015** (109) TRUCK ADT PCT **6**
(19) BYPASS OR DETOUR LENGTH **1.0**

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN **70.0**
(49) STRUCTURE LENGTH **250.0**
(50) CURB OR SIDEWALK: LEFT **1.6** RIGHT **1.6**
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB **28.2**
(52) DECK WIDTH OUT TO OUT **31.6**
(32) APPROACH ROADWAY WITH (W/ SHOULDERS) **28.0**
(33) BRIDGE MEDIAN **No median** CODE **0**
(34) SKEW **44** (35) STRUCTURE FLARED **0**
(10) INVENTORY ROUTE MIN VERT CLEAR **999.9**
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR **28.2**
(53) MIN VERT CLEAR OVER BRIDGE RDWY **999.9**
(54) MIN VERT UNDERCLEAR: REFERENCE **H** **17.4**
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE **H** **8.8**
(56) MIN LAT UNDERCLEARANCE LT: **14.5**

NAVIGATION DATA

(38) NAVIGATION CONTROL - CODE **N**
(111) PIER PROTECTION CODE
(39) NAVIGATION VERTICAL CLEARANCE **0.0**
(116) VERT - LIFT BRIDGE NAV MIN VERT CLEAR **0.0**
(40) NAVIGATION HORIZONTAL CLEARANCE **0.0**

SUFFICIENCY RATING **67.000000**
STATUS = **Functionally Obsolete**

CLASSIFICATION — CODE

(112) NBIS BRIDGE SYSTEM **YES**
(104) HIGHWAY SYSTEM **Inventory Route is on NHS** **1**
(26) FUNCTIONAL CLASS **Urban Minor Collector** **16**
(100) STRAHNET HIGHWAY **Not a STRAHNET Route** **0**
(101) PARALLEL STRUCTURE **No parallel structure exists** **N**
(102) DIRECTION OF TRAFFIC **2-way traffic** **2**
(103) TEMPORARY STRUCTURE
(110) DESIGNATED NATIONAL NETWORK - **on national network for trucks** **0**
(20) TOLL **On Free Road** **3**
(21) MAINT - **01**
(22) OWNER - **01**
(37) HISTORICAL SIGNIFICANCE - **5**

CONDITION — CODE

(58) DECK **6**
(59) SUPERSTRUCTURE **6**
(60) SUBSTRUCTURE **5**
(61) CHANNEL & CHANNEL PROTECTION **N**
(62) CULVERTS **N**

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD **HS20** **5**
(63) OPERATING RATING METHOD - **Load Factor** **1**
(64) OPERATING RATING - **HS-33** **63**
(65) INVENTORY RATING METHOD - **1**
(66) INVENTORY RATING **HS-20** **38**
(70) BRIDGE POSTING **No Posting Required** **5**
(41) STRUCTURE OPEN, POSTED, OR CLOSED **A**
DESCRIPTION **Open, no restriction**

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION **5**
(68) DECK GEOMETRY **4**
(69) UNDERCLEARANCES, VERT & HORIZ **3**
(71) WATERWAY ADEQUACY **5**
(72) APPROACH ROADWAY ALIGNMENT **4**
(36) TRAFFIC SAFETY FEATURES **0111**
(113) SCOUR CRITICAL BRIDGES **N**

PROPOSED IMPROVEMENTS

(75) TYPE OF WORK CODE
(76) LENGTH OF STRUCTURE IMPROVEMENT
(94) BRIDGE IMPROVEMENT COST
(95) ROADWAY IMPROVEMENT COST
(96) TOTAL PROJECT COST
(97) YEAR OF IMPROVEMENT COST ESTIMATE
(114) FUTURE ADT **16,600** YEAR OF FUTURE ADT **2040**

INSPECTION

(90) INSPECTION DATE **06/17** (91) FREQUENCY **24**
(92) CRITICAL FEATURE INSPECTION (93) CFI DATE
A) FRACTURE CRIT DETAIL **0** A)
B) UNDERWATER INSP **0** B)
C) OTHER SPECIAL INSP **0** C)
SCOUR

Structure Number **500067** County **JOHNSTON** Run Date **10/28/2019**

Span Number	Facility Carried	Inventory Route	Maximum Minimum Vertical Clearance	Milepoint	Base Highway	LRS Inventory Route	Functional Classification	Number of Lanes	Average Daily Traffic	Year of Average Daily Traffic	Total Horizontal Clearance	*See Note Below*					STRAHNET Highway	Direction of Traffic	National Highway System	National Truck Network
												Reference Feature	Minimum Vertical Underclearance	Rigth Lateral Underclearance	Left Lateral Underclearance	Underclearance Appraisal Grade				
	7	5	10	11	12	13	26	28	29	30	47	54A	54	55	56	69	100	102	104	110
2	I95N	11000950	16.8	89.6	1	10095	11	2	18500	2015	45.5	H	16.2	10.0	13.0	4	1	1	☐	☐
3	I95S	11000950	17.8	89.6	1	10095	11	2	18500	2015	45.8	H	17.4	8.8	14.5	3	1	1	☐	☐

Note: 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.

Superstructure Build Details

Span Number 1 **Span Length** 48.5830 **Skew** 46.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1535 Square Feet		
4	Movable Bearing	Movable Bearing	4 Each	Inorganic Zinc Pimer with Acrylic Top Coat	16
1	Standard Joint	Pourable Joint Seal	47 Feet		
4	Fixed Bearing	Fixed Bearing	4 Each	Inorganic Zinc Pimer with Acrylic Top Coat	16
1	Asphalt Wearing Surface	Wearing Surface	1369 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	98 Feet		
4	Plate Girder	Steel Open Girder/Beam	192 Feet	Inorganic Zinc Pimer with Acrylic Top Coat	2122

Span Number 2 **Span Length** 72.2500 **Skew** 46.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2274 Square Feet		
4	Movable Bearing	Movable Bearing	4 Each	Inorganic Zinc Pimer with Acrylic Top Coat	16
1	Standard Joint	Pourable Joint Seal	47 Feet		
1	Asphalt Wearing Surface	Wearing Surface	2036 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	146 Feet		
4	Fixed Bearing	Fixed Bearing	4 Each	Inorganic Zinc Pimer with Acrylic Top Coat	16
4	Plate Girder	Steel Open Girder/Beam	288 Feet	Inorganic Zinc Pimer with Acrylic Top Coat	2796

Span Number 3 **Span Length** 72.0000 **Skew** 46.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2282 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	144 Feet		
1	Compression Seal	Compression Joint Seal	47 Feet		

Superstructure Build Details

1	Asphalt Wearing Surface	Wearing Surface	2029	Square Feet		
4	Fixed Bearing	Fixed Bearing	4	Each	Inorganic Zinc Pimer with Acrylic Top Coat	16
4	Movable Bearing	Movable Bearing	4	Each	Inorganic Zinc Pimer with Acrylic Top Coat	16
4	Plate Girder	Steel Open Girder/Beam	288	Feet	Inorganic Zinc Pimer with Acrylic Top Coat	2703

Span Number 4 **Span Length** 48.5830 **Skew** 46.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1806	Square Feet		
1	Standard Joint	Pourable Joint Seal	47	Feet		
4	Movable Bearing	Movable Bearing	4	Each	Inorganic Zinc Pimer with Acrylic Top Coat	16
2	Concrete Railing	Reinforced Concrete Bridge Railing	98	Feet		
1	Asphalt Wearing Surface	Wearing Surface	1369	Square Feet		
1	Compression Seal	Compression Joint Seal	47	Feet		
4	Plate Girder	Steel Open Girder/Beam	228	Feet	Inorganic Zinc Pimer with Acrylic Top Coat	1929
4	Fixed Bearing	Fixed Bearing	4	Each	Inorganic Zinc Pimer with Acrylic Top Coat	16

Structure Element Scoring

Structure Number: **500067**

Inspection Date **6/6/2019**

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	7897	5889	1977	31	0
107	0	Steel Open Girder/Beam	Beam	996	977	16	3	0
515	107	Steel Protective Coating	Beam	9550	9543	0	7	0
215	0	Reinforced Concrete Abutment	Abutments	98	34	63	1	0
226	0	Prestressed Concrete Pile	Piles and Columns	20	9	8	3	0
234	0	Reinforced Concrete Pier Cap	Caps	223	188	16	19	0
301	0	Pourable Joint Seal	Expansion Joints	141	141	0	0	0
302	0	Compression Joint Seal	Expansion Joints	94	80	14	0	0
311	0	Movable Bearing	Bearing Device	16	16	0	0	0
515	311	Steel Protective Coating	Bearing Device	64	64	0	0	0
313	0	Fixed Bearing	Bearing Device	16	11	5	0	0
515	313	Steel Protective Coating	Bearing Device	64	64	0	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	486	474	7	5	0
510	0	Wearing Surface	Wearing Surfaces	6803	6717	0	86	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **500067** Inspection Date: **06/06/2019**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Delamination/Spall	3 Square Feet
3326	Reinforced Concrete Deck	Exposed Rebar	20 Square Feet
3326	Reinforced Concrete Deck	Cracking (RC and Other)	1235 Square Feet
3314	Steel Open Girder/Beam	Damage	13 Feet
3314	Steel Open Girder/Beam	Corrosion	3 Feet
3350	Reinforced Concrete Abutment	Exposed Rebar	1 Feet
3350	Reinforced Concrete Abutment	Cracking (RC and Other)	7 Feet
3350	Reinforced Concrete Abutment	Delamination/Spall	5 Feet
3348	Prestressed Concrete Pile	Cracking (PSC)	4 Each
3348	Prestressed Concrete Pile	Delamination/Spall	15 Each
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	19 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	3 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	1 Feet
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	7 Feet
3318	Reinforced Concrete Bridge Railing	Damage	5 Feet
2816	Wearing Surface	Crack (Wearing Surface)	86 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	7 Square Feet

Element Structure Maintenance Quantities

Structure Number: **500067** Inspection Date **06/06/2019**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	13	98	0	1	63	34
Beam	3314	Maintenance Steel Superstructure Components	16	996	0	3	16	977
Beam	3342	Clean and Paint Steel	7	9550	0	7	0	9543
Bearing Device	3334	Bridge Bearing	0	32	0	0	5	27
Bearing Device	3342	Clean and Paint Steel	0	128	0	0	0	128
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	12	486	0	5	7	474
Caps	3348	Maintenance of Concrete Substructure	23	223	0	19	16	188
Deck	3326	Maintenance of Concrete Deck	1258	7897	0	31	1977	5889
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	235	0	0	14	221
Piles and Columns	3348	Maintenance of Concrete Substructure	19	20	0	3	8	9
Wearing Surfaces	2816	Asphalt Surface Repair	86	6803	0	86	0	6717

Priority Actions Request

Structure Number **500067**

Span3

3326 **Deck** Reinforced Concrete Deck

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Span 3 Deck: SPALLING AND DELAMINATION WITH SECTION LOSS TO EXPOSED REBAR (ESTIMATED 1 INCH REMAINING) 4 INCHES DEEP X 6 FEET LONG X 10 INCHES WIDE IN SPAN 3 END DIAPHRAGM OVER BENT 3, BAY 2. PAR ISSUED. 3 PHOTOS.

? Priority Action Request (PAR) 1 Assigned Routine Maintenance 2 Assigned Priority Maintenance 3 Assigned Critical Find

Element Condition and Maintenance Data

Structure Number: **500067** Inspection Date: **06/06/2019**

Span 1 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,535	180	1,349	6	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	BOTTOM OF DECK: 1/4 INCH WIDE CRACK LEFT OVERHANG DIAPHRAGM. CRACKING IN BAY 1, 2 AND 3 DIAPHRAGMS.	3	6	6	Square Feet
12	Abrasion/Wear (PSC/RC)	145 SQUARE FEET OF ABRASION ALONG CURBS.	2	145		Square Feet
12	Cracking (RC and Other)	BOTTOM OF DECK: HAIRLINE MAP TRANSVERSE AND DIAGONAL CRACKING IN ALL BAYS	2	1,200	1,200	Square Feet
12	Exposed Rebar	1 SQUARE FOOT OF EXPOSED REBAR IN RIGHT CURB.	2	1	1	Square Feet
12	Exposed Rebar	EXPOSED REBAR IN TOP OF CURBING LEFT SIDE	2	3	3	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	48	46	0	2	0	Feet
515	Steel Protective Coating	430	428	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS IN LEFT EDGE BOTTOM FLANGE 4 INCH WIDE 3/4 INCH REMAINING AT END BENT 1	3	2	2	Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	3	2	2	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	48	47	1	0	0	Feet
515	Steel Protective Coating	564	563	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED RUST	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	COATING FAILED	3	1	1	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	48	47	1	0	0	Feet
515	Steel Protective Coating	564	562	0	2	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	FRECKLED RUST	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	3	2	2	Square Feet

General Comments

Span 1 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	48	47	0	1	0	Feet
515	Steel Protective Coating	564	563	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SECTION LOSS BOTTOM FLANGE END BENT 1 - 7/8 INCH REMAINING FROM BEARING TO END	3	1	1	Feet
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	3	1	1	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	1,369	1,341	0	28	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	28 SQUARE FEET OF CRACKING OVER END BENT 1.	3	28	28	Square Feet

General Comments

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	49	48	0	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Delamination/Spall	1 FOOT OF SPALLING IN POST #3. WITH EXPOSED REBAR	3	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	49	47	1	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Delamination/Spall	1 FOOT OF SPALL WITH EXPOSED REBAR IN POST #2.	3	1	1	Feet
331	Delamination/Spall	1 FOOT OF SPALLING WITH CRACKING IN POST #3.	2	1	1	Feet

General Comments

Span 1 — Near Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	4	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SECTION LOSS ARRESTED , PITTED 1/8 INCH DEEP IN VERTICAL FACES, COATING GOOD	2	1		Each

General Comments

Span 1 — Expansion Joint 1

Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	47	47	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

NOT VISIBLE.

Span 2 — Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	2,274	2,045	226	3	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Delamination/Spall	12 INCH X 8 INCH X 3 INCH DEEP SPALL WITH EXPOSED REBAR IN END DIAPHRAGM AT BENT 1 BAY 2.	3	1	1	Square Feet
12	Delamination/Spall	SPALL LEFT OVERHANG 2 FEET X 6 INCH X 1 INCH DEEP	3	2	2	Square Feet
12	Abrasion/Wear (PSC/RC)	207 SQUARE FEET OF ABRASION ALONG DECK CURBS.	2	207		Square Feet
12	Exposed Rebar	9 SQUARE FEET OF EXPOSED REBAR ALONG LEFT CURB.	2	9	9	Square Feet
12	Patched Areas	10 SQUARE FEET OF SOUND PATCHING IN BOTTOM OF DECK BAY 1 AT 1/3 POINT FROM BENT 1. THIS AREA WAS PREVIOUSLY DELAMINATING OVER LANES OF TRAFFIC AND WAS ISSUED A PRIORITY MAINTENANCE AND HAS BEEN REPAIRED SINCE LAST INSPECTION.	2	10		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	72	66	6	0	0	Feet
515	Steel Protective Coating	642	642	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Damage	PREVIOUS IMPACT DAMAGE AT FIRST INTERMEDIATE DIAPHRAGM WITH SCRAPES IN COVER PLATE , 12 INCH COLUMN CHANNEL ADDED AT DIAPHRAGM.	2	6	6	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	72	72	0	0	0	Feet
515	Steel Protective Coating	718	718	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

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	72	68	4	0	0	Feet
515	Steel Protective Coating	718	718	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Damage	3 FEET PREVIOUS SCRAPES BOTTOM FLANGE REPAINTED	2	3	3	Feet
107	Damage	PREVIOUS GOUGE SCRAPE DAMAGE 1/2 INCH DEEP X 2 INCH WIDE X 10 INCH LONG IN COVER PLATE COATING GOOD	2	1	1	Feet

General Comments

Span 2 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	72	69	3	0	0	Feet
515	Steel Protective Coating	718	718	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

107	Damage	PREVIOUS SCRAPES IN BOTTOM FLANGE COVER COATING GOOD	2	3	3	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	2,282	2,039	225	18	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	12 FEET CRACKING DIAPHRAGMS BENT 3	3	12	12	Square Feet
12	Exposed Rebar	SPALLING AND DELAMINATION WITH SECTION LOSS TO EXPOSED REBAR (ESTIMATED 1 INCH REMAINING) 4 INCHES DEEP X 6 FEET LONG X 10 INCHES WIDE IN SPAN 3 END DIAPHRAGM OVER BENT 3, BAY 2. PAR ISSUED. 3 PHOTOS.	3	6	6	Square Feet
12	Abrasion/Wear (PSC/RC)	216 SQUARE FEET OF ABRASION ALONG DECK CURBS.	2	216		Square Feet
12	Cracking (RC and Other)	4 FEET OF TRANSVERSE CRACKING IN OVERHANGS AND TRANSVERSE CRACKING BENT 2 DIAPHRAGMS.	2	8	8	Square Feet
12	Exposed Rebar	1 SQUARE FOOT OF EXPOSED REBAR IN THE LEFT CURB.	2	1	1	Square Feet

General Comments

Span 3 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	2,029	2,000	0	29	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	29 SQUARE FEET OF CRACKING PARALLEL TO EXPANSION JOINT AT BENT 2.	3	29	29	Square Feet

General Comments

Span 3 — Expansion Joint 3

Compression Seal

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
302	Compression Joint Seal	47	39	8	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
302	Debris Impaction	DIRT AND DEBRIS IMPACTION	2	8		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	1,806	1,625	177	4	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

12	Cracking (RC and Other)	4 FEET CRACKING BENT 3 DIAPHRAGMS	3	4	4	Square Feet
12	Abrasion/Wear (PSC/RC)	172 SQUARE FEET OF ABRASION ALONG DECK CURBS.	2	172		Square Feet
12	Cracking (RC and Other)	5 FEET OF 1/16 INCH TRANSVERSE CRACK BOTTOM OF DECK BAY 3	2	5	5	Square Feet

General Comments

Span 4 — Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	57	56	1	0	0	Feet
515	Steel Protective Coating	474	473	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	SURFACE RUST BOTTOM FLANGE	2	1		Feet
515	Effectiveness (Steel Protective Coatings)	FAILED COATING	3	1	1	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	1,369	1,340	0	29	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	29 SQUARE FEET OF CRACKING OVER END BENT 2.	3	29	29	Square 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	49	42	5	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Delamination/Spall	2 FEET OF SPALLING IN POSTS 5 & 6. WITH EXPOSED REBAR	3	2	2	Feet
331	Damage	5 FEET OF IMPACT DAMAGE ALONG RAIL.	2	5	5	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	49	47	1	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

331	Delamination/Spall	1 FOOT OF SPALLING WITH EXPOSED REBAR IN POST #6.	3	1	1	Feet
331	Delamination/Spall	6 INCH DIAMETER X 1 INCH DEEP SPALL IN END POST	2	1	1	Feet

General Comments

Span 4 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	4	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	FRECKLED RUST	2	1		Each

General Comments

Span 4 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	4	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	FRECKLED RUST	2	1		Each

General Comments

Span 4 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	4	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SECTION LOSS ARRESTED , PITTED 1/8 INCH DEEP IN VERTICAL FACES, COATING GOOD	2	1		Each

General Comments

Span 4 — Far Bearing

Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	1	0	0	Each
515	Steel Protective Coating	4	4	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	SECTION LOSS ARRESTED , PITTED 1/8 INCH DEEP IN VERTICAL FACES, FRECKLED RUST	2	1		Each

General Comments

Span 4 — Expansion Joint 4

Compression Seal

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
302	Compression Joint Seal	47	41	6	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
302	Debris Impaction	DIRT AND DEBRIS IMPACTION	2	6		Feet

General Comments

Span 4 — Expansion Joint 5

Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	47	47	0	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

General Comments

NOT VISIBLE.

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	53	50	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	3 FEET CRACKING BAY 1 TOP , FACE 1/16 INCH WIDE	2	3		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	39	30	4	5	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	8 FEET OF 1/4 INCH LONGITUDINAL CRACKING SPAN 2 SIDE BAY 1 RUST STAIN	3	5	8	Feet
234	Cracking (RC and Other)	1/32 INCH VERTICAL CRACK BEAM 2 SPAN 2 SIDE	2	1		Feet
234	Efflorescence/Rust Staining	3 FEET OF 1/16 INCH LONGITUDINAL CRACK BAY 1 SPAN 1 SIDE	2	3		Feet

General Comments

Bent 1 — Pile 3

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	Delamination/Spall	5 INCH DIAMETER SPALL 1/2 INCH DEEP GROUNDLINE	2	1	1	Each

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	49	18	30	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Delamination/Spall	DELAMINATION IN BE LEFT SIDE BEAM 2 BAY 1	3	1	1	Feet
215	Cracking (RC and Other)	ALL BAYS HAVE HAIRLINE MAP CRACKING	2	23		Feet
215	Cracking (RC and Other)	CRACKING DELAMINATION BACKWALL ADDITION LEFT END TO BEAM 1	2	7	7	Feet

General Comments

7 Feet

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	39	33	3	3	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Patched Area	3 FEET OF PATCHING BOTTOM OF CAP UNSOUND BAY 3	3	3	3	Feet
234	Cracking (RC and Other)	1/32 INCH CRACKS RADIATING BOTTOM OF CAP AT PILE 7	2	2		Feet
234	Patched Area	2 FEET PATCHING LEFT END SPAN 3 SIDE TOP CORNER	2	1		Feet

General Comments

Bent 2 — Pile 1

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	Delamination/Spall	1 FOOT SPALLING 1 INCH DEEP SPAN 2 SIDE	3	1	1	Each

General Comments

Bent 2 Pile 2

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)	3 TRANSVERSE 1/32 INCH CRACKS RIGHT SIDE 4 FEET FROM GROUNDLINE	2	1	2	Each
226	Patched Area	2 FEET PATCHING	2			Each

General Comments

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	Delamination/Spall	3 FEET SURFACE SPALLING 1/2 INCH DEEP	2	1	1	Each
226	Patched Area	2 FEET PATCHING	2			Each

General Comments

Bent 2 Pile 5

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	Delamination/Spall	5 SPALLS 1 IN DEEP TOTALLING 6 SQUARE FEET	3	1	6	Each
226	Cracking (PSC)	TRANSVERSE CRACKING SPAN 3 SIDE OPPOSITE SPALL IN SPAN 2 SIDE 4 FEET FROM GROUNDLINE	2		2	Each

General Comments

Bent 2 Pile 6

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	Delamination/Spall	6 INCH DIAMETER SPALL WITH 1/16 INCH X 1 FEET VERTICAL CRACK SPAN 2 SIDE	2	1	1	Each
226	Patched Area	2 FEET PATCHING	2			Each

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	53	42	0	11	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	3 FEET X 1/8 INCH LONGITUDINAL FACE OF CAP BEAM 4	3	3	3	Feet
234	Cracking (RC and Other)	8 FEET LONGITUDINAL CRACKING FACE AND TOP WITH DELAMINATION BETWEEN AND RUST STAINING BAY 1	3	8	8	Feet

General Comments

Bent 2 — Pile 7

Prestressed Concrete Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
226	Prestressed Concrete Pile	1	-4	4	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	Delamination/Spall	SPALL 1 FOOT FROM GROUNDLINE 4 INCH DEEP X 16 INCH DIAMETER RIGHT SIDE WITH 3 1/32 INCH HORIZONTAL CRACKS LEFT SIDE OPPOSITE SPALL	3	1	3	Each
226	Delamination/Spall	2 FEET SPALLING SPAN 2 SIDE	2	2	2	Each
226	Patched Area	2 FEET OF PATCHING SPAN 2 SIDE	2	2		Each

General Comments

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	49	16	33	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Cracking (RC and Other)	28 FEET HAIRLINE MAP CRACKING FULL LENGTH	2	28		Feet
215	Delamination/Spall	4 FEET DELAMINATION IN ALL BAYS ADJACENT TO BEAMS.	2	4	4	Feet
215	Exposed Rebar	1 FOOT OF EXPOSED REBAR WITH SURFACE SPALLING BAY 2.	2	1	1	Feet

General Comments

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	39	33	6	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	3 FEET 1/8 INCH LONGITUDINAL SPAN 3 SIDE BEAM 3	2	3		Feet
234	Delamination/Spall	6 INCH DIAMETER SPALL SPAN 4 SIDE 1 INCH DEEP TOP CORNER BEAM 2	2	1	1	Feet

234	Patched Area	2 FEET PATCHING SPAN 4 SIDE	2	2	Feet

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1535
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	48
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	48
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	48
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	48
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	49
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	49
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1369
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2274
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	72
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	72
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	72
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	72
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	73
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	73
Span 2	Expansion Joint 2	Standard Joint	Pourable Joint Seal	47
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2036
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2282
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	72
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	72
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	72
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	72
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	72
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	72
Span 3	Expansion Joint 3	Compression Seal	Compression Joint Seal	47
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2029
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1806
Span 4	Beam 1	Plate Girder	Steel Open Girder/Beam	57
Span 4	Beam 2	Plate Girder	Steel Open Girder/Beam	57
Span 4	Beam 3	Plate Girder	Steel Open Girder/Beam	57
Span 4	Beam 4	Plate Girder	Steel Open Girder/Beam	57
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	49
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	49
Span 4	Expansion Joint 4	Compression Seal	Compression Joint Seal	47
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1369
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	39
Bent 1	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 6	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	53
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	49
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	39
Bent 2	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 6	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 7	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	53
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	49
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	39
Bent 3	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Bent 3	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 6	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 7	Prestressed Concrete Pile	Prestressed Concrete Pile	1

General Inspection Notes

Span 1	Expansion Joint 1
NOT VISIBLE.	
Span 2	Beam 2
Span 4	Expansion Joint 5
NOT VISIBLE.	

National Bridge and NC Inspection Items

Structure Number: 500067 **Inspection Date:** 06/06/2019

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**6**
Item 59: Superstructure	0 - 9 , N	**6**
Item 60: Substructure	0 - 9 , N	**5**
Item 61: Channel and Channel Protection	0 - 9 , N	**N**
Item 62: Culvert	0 - 9 , N	**N**
Item 71: Waterway Adequacy	0 - 9 , N	**N**
Item 72: Approach Roadway Alignment	0 - 9 , N	**8**

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	**F**	**7897**	**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**	**800**	**3352**
Scour	G, F, P, or C			
Wingwall	G, F, P, or C	**G**	**0**	**3350**
Field Scour Evaluation				
Drift	G, F, P, or C		**0**	**3366**
Fender System	G, F, P, or C		**0**	**3364**
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	**G**		
Superstructure Paint Code		**I**		

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	**N**
Priority Maintenance Request Submitted	YES/NO	**Y**
Inspection Time	Hours	**4**
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: 500067 **Inspection Date:** 06/06/2019

Item Substructure - Item 60 **Grade** 5 **Maint Code** **Qty.** 0

Details Substructure – Item 60:
FAIR CONDITION - ALL PRIMARY STRUCTURAL ELEMENTS ARE SOUND BUT MAY HAVE MINOR SECTION LOSS, CRACKING, SPALLING IN DIFRENT AREAS OF THE SUBSTRUCTURE AND STRUCTURE HAS BEEN DOWN GRADED.

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

Details Span 3 Deck: SPALLING AND DELAMINATION WITH SECTION LOSS TO EXPOSED REBAR (ESTIMATED 1 INCH REMAINING) 4 INCHES DEEP X 6 FEET LONG X 10 INCHES WIDE IN SPAN 3 END DIAPHRAGM OVER BENT 3 BAY 2. PAR ISSUED.

Item Ladder Used **Grade** Y **Maint Code** **Qty.** 0

Details EXTENSION LADDER

Item Deck Debris **Grade** F **Maint Code** 3376 **Qty.** 7897

Details VEGETATION WITH DIRT AND DEBRIS OUT 1.5 FEET IN SHOULDERS.

Item Slope Protection **Grade** F **Maint Code** 3352 **Qty.** 800

Details VEGETATION ON SLOPE PROTECTION OF BOTH SLOPES.

SLAB UNITS SEPERATED WITH FILL EXPOSED AND VEGETATION GROUING BETWEEN SLABS ON BOTH SLOPES.

Item Field Scour Evaluation **Grade** **Maint Code** **Qty.** 0

Details NOTE: IF NC SMU INSPECTION ITEM IS NOT PRESENT, LEAVE NC SMU ITEM BLANK.

NOTE: THIS STRUCTURE GOES OVER INTERSTATE 95.

Bent 1 Pile 6: 5 FEET OF PATCHING

Bent 1 Pile 6: 5 FEET OF PATCHING

Bent 1 Cap 1: 3 FEET OF 1/16 INCH LONGITUDINAL CRACK BAY 1 SPAN 1 SIDE

End Bent 1 Cap 1: DELAMINATION IN BE LEFT SIDE BEAM 2 BAY 1

End Bent 1 Abutment/Backwall : ALL BAYS HAVE HAIRLINE MAP CRACKING

Span 1 Deck: BOTTOM OF DECK: HAIRLINE MAP TRANSVERSE AND DIAGONAL CRACKING IN ALL BAYS

Span 1 Deck: BOTTOM OF DECK: HAIRLINE MAP TRANSVERSE AND DIAGONAL CRACKING IN ALL BAYS

Span 1 Beam 1 Near Bearing: SECTION LOSS ARRESTED , PITTED 1/8 INCH DEEP IN VERTICAL FACES, COATING GOOD

Span 1 Beam 1: SECTION LOSS IN LEFT EDGE BOTTOM FLANGE 4 INCH WIDE 3/4 INCH REMAINING AT END BENT 1

End Bent 1 Cap 1: 3 FEET CRACKING BAY 1 TOP , FACE 1/16 INCH WIDE

Span 1 Beam 3: FRECKLED RUST

Span 1 Beam 4: SECTION LOSS BOTTOM FLANGE END BENT 1 - 7/8 INCH REMAINING FROM BEARING TO END

VEGETATION WITH DIRT AND DEBRIS OUT 1.5 FEET IN SHOULDERS.

Span 1 Wearing Surface: 28 SQUARE FEET OF CRACKING OVER END BENT 1.

Span 1 Left Bridge Rail: 1 FOOT OF SPALLING IN POST #3. WITH EXPOSED REBAR

Span 1 Deck: 145 SQUARE FEET OF ABRASION ALONG CURBS.

Span 1 Deck: EXPOSED REBAR IN TOP OF CURBING LEFT SIDE

Span 2 Deck: 9 SQUARE FEET OF EXPOSED REBAR ALONG LEFT CURB.

Span 2 Deck: 207 SQUARE FEET OF ABRASION ALONG DECK CURBS.

Expansion Joint : DIRT AND DEBRIS IMPACTION

Span 3 Deck: 216 SQUARE FEET OF ABRASION ALONG DECK CURBS.

Span 3 Deck: 1 SQUARE FEET OF EXPOSED REBAR IN THE LEFT CURB.

Span 4 Left Bridge Rail: 5 FEET OF IMPACT DAMAGE ALONG RAIL.

Span 4 Left Bridge Rail: 2 FEET OF SPALLING IN POSTS 5 & 6. WITH EXPOSED REBAR

Expansion Joint : DIRT AND DEBRIS IMPACTION

Span 4 Deck: 172 SQUARE FEET OF ABRASION ALONG DECK CURBS.

Span 4 Right Bridge Rail: 6 INCH DIAMETER X 1 INCH DEEP SPALL IN END POST

Span 4 Right Bridge Rail: 1 FOOT OF SPALLING WITH EXPOSED REBAR IN POST #6.

Span 1 Right Bridge Rail: 1 FOOT OF SPALL WITH EXPOSED REBAR IN POST #2.

Span 1 Right Bridge Rail: 1 FOOT OF SPALLING WITH CRACKING IN POST #3.

End Bent 2 Cap 1: 8 FEET LONGITUDINAL CRACKING FACE AND TOP OF CAP WITH DELAMINATION BETWEEN AND RUST STAINING UNDER BAY 1

End Bent 2 Cap 1: 3 FEET X 1/8 INCH LONGITUDINAL FACE OF CAP BEAM 4

End Bent 2 Abutment/Backwall : 4 FEET DELAMINATION IN ALL BAYS ADJACENT TO BEAMS.

End Bent 2 Abutment/Backwall : 1 FOOT OF EXPOSED REBAR WITH SURFACE SPALLING BAY 2.

End Bent 2 Abutment/Backwall : 28 FEET HAIRLINE MAP CRACKING FULL LENGTH

Span 4 Beam 3 Far Bearing: SECTION LOSS ARRESTED, PITTED 1/8 INCH DEEP IN VERTICAL FACES. COATING IS GOOD

Span 4 Beam 3: SURFACE RUST BOTTOM FLANGE

Span 4 Beam 4 Far Bearing: SECTION LOSS ARRESTED, PITTED 1/8 INCH DEEP IN VERTICAL FACES AND FRECKLED RUST

Bent 2 Cap 1: 3 FEET OF PATCHING BOTTOM OF CAP UNSOUND BAY 3

Bent 2 Cap 1: 1/32 INCH CRACKS RADIATING BOTTOM OF CAP AT PILE 7

Bent 2 Pile 1: 1 FOOT SPALLING 1 INCH DEEP SPAN 2 SIDE

Bent 2 Pile 2: 2 FEET PATCHING

Bent 2 Pile 2: 3 TRANSVERSE 1/32 INCH CRACKS RIGHT SIDE 4 FEET FROM GROUNDLINE

Bent 2 Pile 4: 2 FEET PATCHING

Bent 2 Pile 4: 3 FEET SURFACE SPALLING 1/2 INCH DEEP

Bent 2 Pile 5: 5 SPALLS 1 IN DEEP TOTALLING 6 SQUARE FEET

Bent 2 Pile 5: 5 SPALLS 1 IN DEEP TOTALLING 6 SQUARE FEET

Bent 2 Pile 5: TRANSVERSE CRACKING SPAN 3 SIDE OPPOSITE SPALL IN SPAN 2 SIDE 4 FEET FROM GROUNDLINE

Bent 2 Pile 6: 6 INCH DIAMETER SPALL WITH 1/16 INCH X 1 FEET VERTICAL CRACK SPAN 2 SIDE

Bent 2 Pile 6: 2 FEET PATCHING

Bent 2 Pile 7: SPALL 1 FOOT FROM GROUNDLINE 4 INCH DEEP X 16 INCH DIAMETER RIGHT SIDE WITH 3 1/32 INCH HORIZONTAL CRACKS LEFT SIDE OPPOSITE SPALL

Bent 2 Pile 7: SPALL 1 FOOT FROM GROUNDLINE 4 INCH DEEP X 16 INCH DIAMETER RIGHT SIDE WITH 3 1/32 INCH HORIZONTAL CRACKS LEFT SIDE OPPOSITE SPALL

Bent 2 Pile 7: 2 FEET OF PATCHING SPAN 2 SIDE

Bent 1 Pile 3: 5 INCH DIAMETER SPALL 1/2 INCH DEEP GROUNDLINE

Span 1 Deck: 1/4 INCH WIDE CRACK LEFT OVERHANG DIAPHRAGM, 1 OF FOOT CRACKING IN BAY 1 DIAPHRAGM, 4 FEET OF CRACKING BAY 2 AND 3 DIAPHRAGM

Bent 2 Pile 7: 2 FEET SPALLING SPAN 2 SIDE

Bent 1 Cap 1: 8 FEET OF 1/4 INCH LONGITUDINAL CRACKING WITH RUST STAINING SPAN 2 SIDE UNDER BAY 1

Span 2 Deck: 10 SQUARE FEET OF SOUND PATCHING IN BOTTOM OF DECK BAY 1 AT 1/3 POINT FROM BENT 1. THIS AREA WAS PREVIOUSLY DELAMINATING OVER LANES OF TRAFFIC AND WAS ISSUED A PRIORITY MAINTENANCE AND HAS BEEN REPAIRED SINCE LAST INSPECTION.

Span 3 Deck: 4 FEET TRANSVERSE CRACKING IN OVERHANGS AND TRANSVERSE CRACKING BENT 2 DIAPHRAGMS

Span 3 Deck: SPALLING AND DELAMINATION WITH SECTION LOSS TO EXPOSED REBAR (ESTIMATED 1 INCH REMAINING) 4 INCHES DEEP X 6 FEET LONG X 10 INCHES WIDE IN SPAN 3 END DIAPHRAGM OVER BENT 3 BAY 2. PAR ISSUED. PHOTO 3 OF 3.

Span 3 Deck: SPALLING AND DELAMINATION WITH SECTION LOSS TO EXPOSED REBAR (ESTIMATED 1 INCH REMAINING) 4 INCHES DEEP X 6 FEET LONG X 10 INCHES WIDE IN SPAN 3 END DIAPHRAGM OVER BENT 3 BAY 2. PAR ISSUED. PHOTO 1 OF 3.

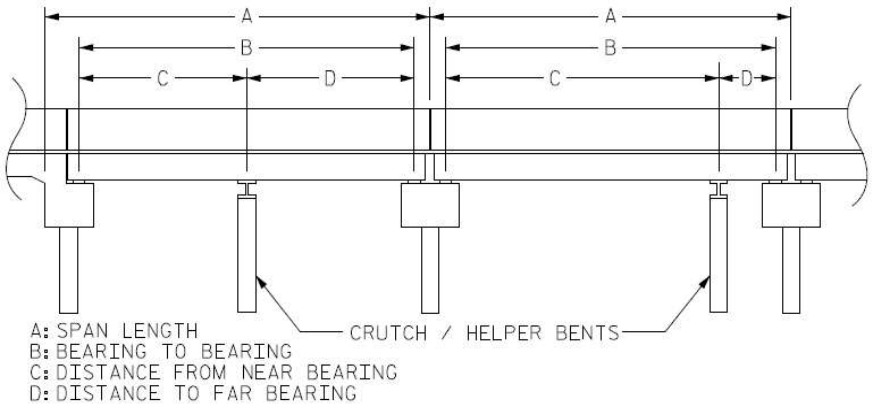
Span 3 Deck: SPALLING AND DELAMINATION WITH SECTION LOSS TO EXPOSED REBAR (ESTIMATED 1 INCH REMAINING) 4 INCHES DEEP X 6 FEET LONG X 10 INCHES WIDE IN SPAN 3 END DIAPHRAGM OVER BENT 3 BAY 2. PAR ISSUED. PHOTO 2 OF 3.

Bent 3 Cap 1: 6 INCH DIAMETER SPALL SPAN 4 SIDE 1 INCH DEEP TOP CORNER BEAM 2

Structure Data Worksheet

Span Profile

County: **JOHNSTON** Structure Number: **500067**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	48.583	45.417			
2	72.250	70.167			
3	72.000	70.167			
4	48.583	45.417			

EAST SIDE PROFILE

LOOKING SOUTH THRU SPAN 3

WEST SIDE PROFILE

LOOKING NORTH THRU SPAN 2

SUPERSTRUCTURE OF SPAN 2 OVERVIEW ALL OTHER SPANS SIMILAR

SUPERSTRUCTURE OVER END OF CAP

END BENT 1

BEARING ASSEMBLY END BENT 1

MID GUARDRAIL POST SPACING

TRANSITION POST SPACING

LOOKING NORTH

GUARDRAIL ATTACHMENT LEFT SIDE SOUTH END

ASPHALT WEARING SURFACE OVERVIEW ALL OTHER SPANS SIMILAR

JOINT OVER BENT 1

LOOKING SOUTH INTERSTATE 95

JOINT OVER BENT 2

JOINT OVER BENT 3

GUARDRAIL TERMINAL END LEFT SIDE NORTH END

LOOKING SOUTH

LOOKING NORTH INTERSTATE 95

LOOKING SOUTH AT APPROACH ROADWAY SOUTH END

LOOKING NORTH AT APPROACH ROADWAY NORTH END

END BENT 2

Bent 1 SPAN 2 SIDE ALL OTHER BENTS SIMILAR

ACCESS EQUIPMENT

TYPICAL BEARING ASSEMBLY AND PEDESTAL AT INTERIOR BENTS

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 500067 County JOHNSTON Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3326	Maintain Concrete Deck	SF	6	Span 3 Deck: SPALLING AND DELAMINATION WITH SECTION LOSS TO EXPOSED REBAR (ESTIMATED 1 INCH REMAINING) 4 INCHES DEEP X 6 FEET LONG X 10 INCHES WIDE IN SPAN 3 END DIAPHRAGM OVER BENT 3, BAY 2. PAR ISSUED. 3 PHOTOS.	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 500067 County JOHNSTON

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

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	6 SF

Location:	
Bent/Span No.	

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
06/10/2019	WAYNE T. WILKINSON	

Details

Span 3 Deck: SPALLING AND DELAMINATION WITH SECTION LOSS TO EXPOSED REBAR (ESTIMATED 1 INCH REMAINING) 4 INCHES DEEP X 6 FEET LONG X 10 INCHES WIDE IN SPAN 3 END DIAPHRAGM OVER BENT 3, BAY 2. PAR ISSUED. 3 PHOTOS.

Bridge Inspection Field Sketch

Roadway	22.25ft Wide	2 Paved Lanes	Looking North
Left Shoulder	3.8ft Wide	3ft Paved	0.8ft Unpaved
Right Shoulder	4ft Wide	3ft Paved	1ft Unpaved
Left Guardrail	3.8ft from road		
Right Guardrail	4ft from road		

TAKEN 60 FT FROM END BENT 1

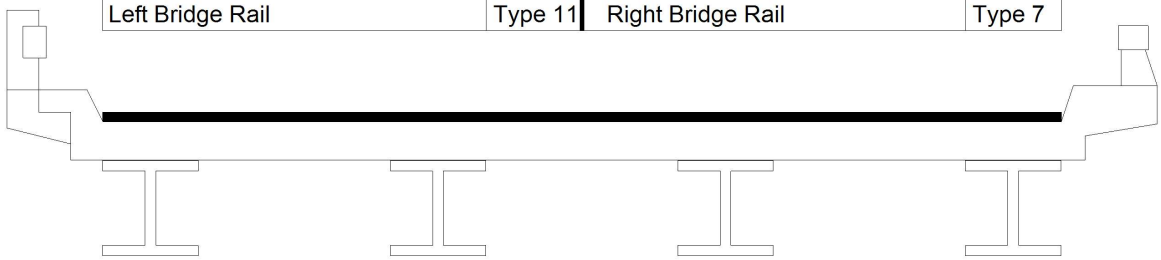
VERIFIED BY: WTW 6/6/2019

Title	**Description**
APPROACH ROADWAY	LOOKING NORTH

Bridge No: 500067	**Drawn By:** A. D. OSBORNE	**Date:** 09/22/2005	**File Name:** S0154000196

Bridge Inspection Field Sketch

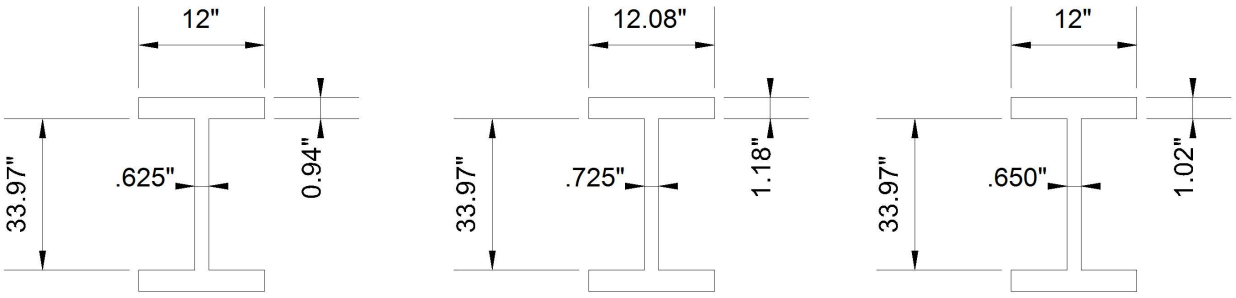
Deck Width/Out to Out	33.416ft	Wearing Surface	0.208ft
Between Rails	31.417ft	Median Width	
Curb Height @ RT. CURBLINE	0.583ft	Median Height	
Top Rail to Deck/Wearing Surface	2.417ft	Left Guardrail Width	0.917ft
Clear Roadway	28.167ft	Right Guardrail Width	0.917ft
Left Bridge Rail	Type 11	Right Bridge Rail	Type 7



Measurements for Span #	1	ALL SPANS SIMILAR	
Deck Thickness	0.583	Left Overhang	4.708
Top of Rail to Bottom of Beam	6.083	Right Overhang	4.708

Beam No	Beam Type	Spacing	Comments
1	Steel I Beam	8.0ft	36 "
2	Steel I Beam	8.0ft	"
3	Steel I Beam	8.0ft	"
4	Steel I Beam		"

BEAM 1 IN SPAN 2 HAS BEEN REPLACED BY WIDE FLANGE 33 X 141 BEAM WITH COVER PLATES



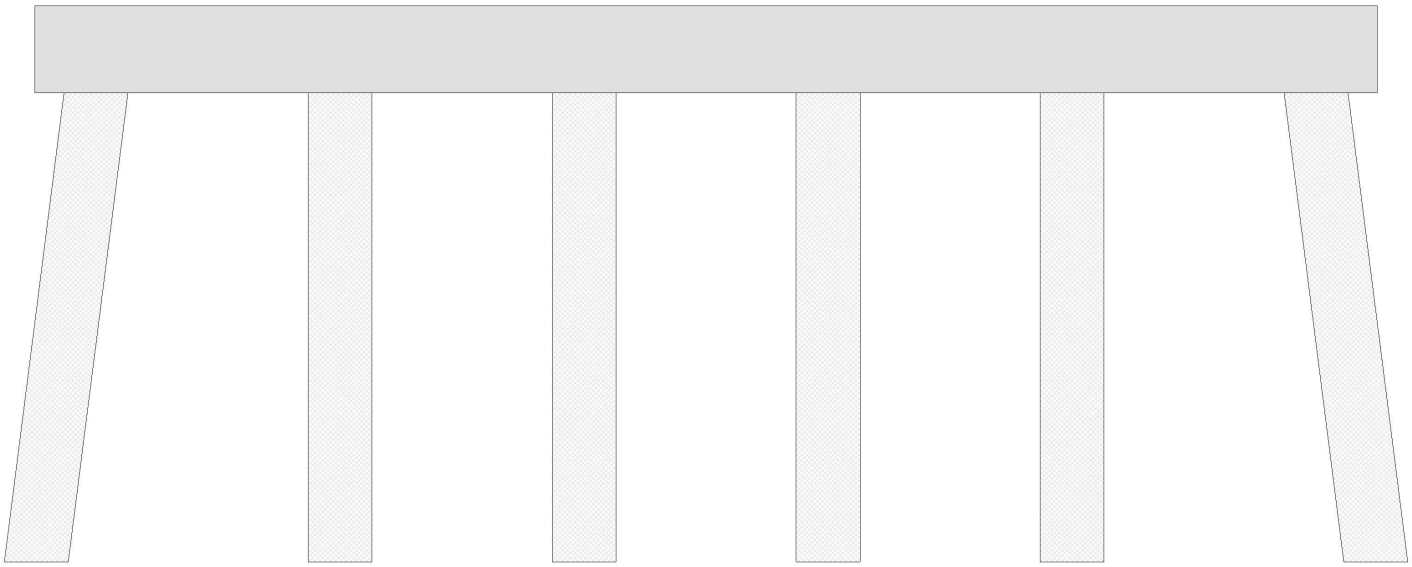
SPAN 1 SPANS 2 & 3 SPAN 4

MODIFIED BY: WTW 6/6/2019

Title	Description
TYPICAL SEC. LOOKING NORTH	4 LINES OF STEEL I - BEAMS

Bridge No:	Drawn By:	Date:	File Name:
500067	A. D. OSBORNE	09/22/2005	S0154000197

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.
38.500 ft.	3.000 ft.	2.500 ft.	1.750 ft.	1.750 ft.	2.000 ft.	2.000 ft.

Subcap Information			Material		
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.

Sill Information			Material
Length	Width	Height	VERIFIED BY: WTW 6/6/2019

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	7 ft.	1.833 ft.			Battered	No	No	No	No
2	Concrete	7 ft.	1.833 ft.			Vertical	No	No	No	No
3	Concrete	7 ft.	1.833 ft.			Vertical	No	No	No	No
4	Concrete	7 ft.	1.833 ft.			Vertical	No	No	No	No
5	Concrete	7 ft.	1.833 ft.			Vertical	No	No	No	No
6	Concrete		1.833 ft.			Battered	No	No	No	No

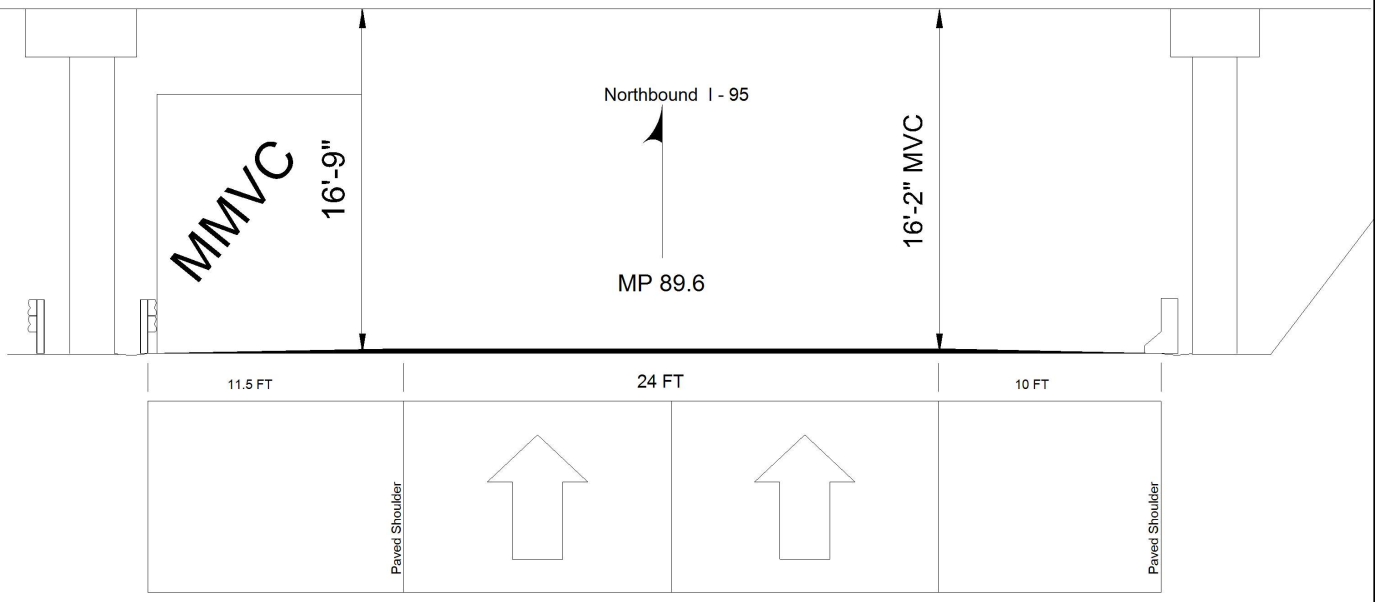
Bent/Abutment #: 1 Similar Bents:

Title	**Description**
Bent 1	Bent 1

Bridge No: 500067	**Drawn By:** WCM	**Date:** 6/24/2015	**File Name:** S0014004204

Bridge Inspection Field Sketch

SPAN 2 BEAM 1



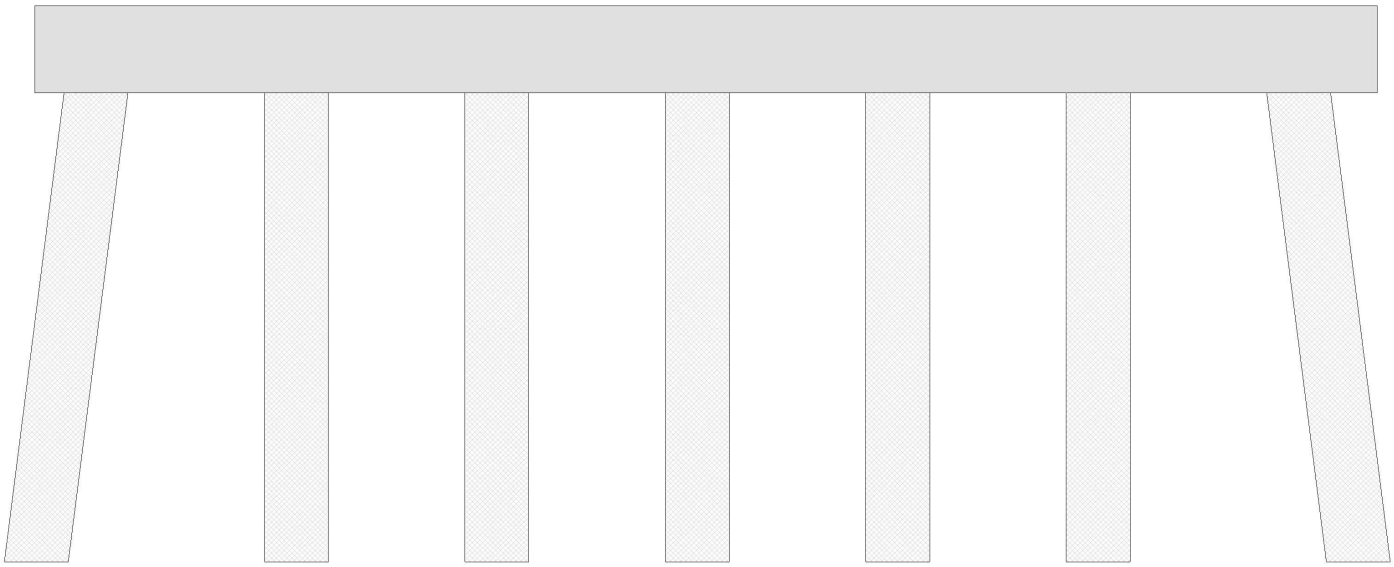
Roadway 1	Distance to Left Guardrail 11.5 FT
	Distance to Right Guardrail 10 FT
	Distance to Left Toe of Slope
	Distance to Left Bent or Columns 13 FT
	Distance to Right Toe of Slope 18.917 FT
	Distance to Right Bent or Columns 11.417 FT
	Maximum Minimum Vertical Clearance 16.750 FT Measured 10 ft. From the left guardrail in paved shoulder under Beam 1.
	Minimum Vertical Clearance 16.167 FT Measured @ RIGHT EDGE OF RDWY at Beam No 1

VERIFIED BY: WTW 6/6/2019

Title	**Description**
NBL CLEARANCES	NORTHBOUND LANES

Bridge No:	**Drawn By:**	**Date:**	**File Name:**
500067	W.T. WILKINSON	07/03/2007	S0154000198

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.
38.500 ft.	3.000 ft.	2.500 ft.	2.0 ft.	2.0 ft.	2.000 ft.	2.000 ft.

Subcap Information			Material		
Length	Width	Height	Left Overhang	Right Overhang	Left Pile to Splice.

Sill Information			Material
Length	Width	Height	VERIFIED BY: WTW 6/6/2019

Pile #	Material	Spacing	Width/Dia.	Height	Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	5.75 ft.	1.833 ft.			Battered	No	No	No	No
2	Concrete	5.75 ft.	1.833 ft.			Vertical	No	No	No	No
3	Concrete	5.75 ft.	1.833 ft.			Vertical	No	No	No	No
4	Concrete	5.75 ft.	1.833 ft.			Vertical	No	No	No	No
5	Concrete	5.75 ft.	1.833 ft.			Vertical	No	No	No	No
6	Concrete	5.75 ft.	1.833 ft.			Vertical	No	No	No	No
7	Concrete		1.833 ft.			Battered	No	No	No	No

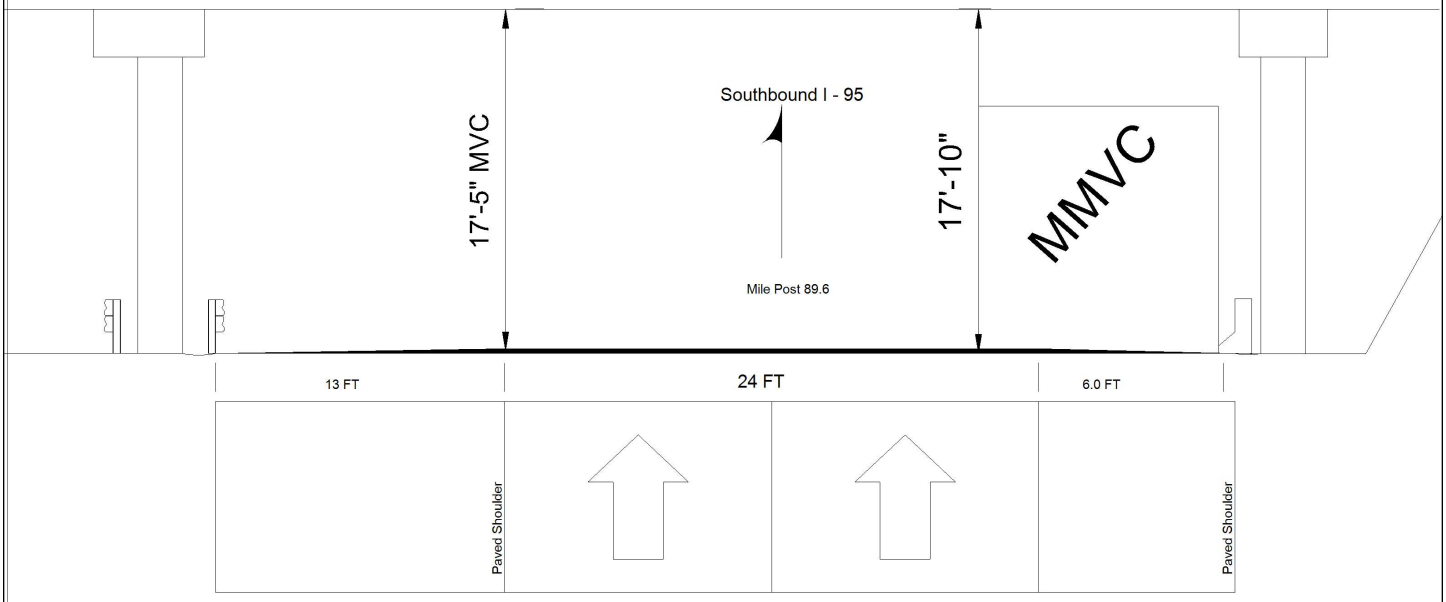
Bent/Abutment #: 2 Similar Bents: 3

Title	**Description**
Bent 2	Bent 2

Bridge No: 500067	**Drawn By:** WCM	**Date:** 6/24/2015	**File Name:** S0014004205

Bridge Inspection Field Sketch

SPAN 3 BEAM 1



Roadway 1	Distance to Left Guardrail 13 FT
	Distance to Right Guardrail 8.833 FT
	Distance to Left Toe of Slope
	Distance to Left Bent or Columns 14.5 FT
	Distance to Right Toe of Slope 18.25 FT
	Distance to Right Bent or Columns 10 FT
	Maximum Minimum Vertical Clearance 17.833 FT Measured 10 ft. From Right Guardrail in Paved Shoulder Under Beam 1.
	Minimum Vertical Clearance 17.417 FT Measured @ LEFT EDGE OF RDWY at beam No 1

VERIFIED BY: WTW 6/6/2019

Title	**Description**
BRIDGE UNDERCLEARANCES 2	SOUTH BOUND LANES

Bridge No: 500067	**Drawn By:** W.T. WILKINSON	**Date:** 07/03/2007	**File Name:** S0154000199

Bridge Inspection Field Sketch

SKETCH DELETED

Title	Description
SKETCH DELETED	SKETCH DELETED

Bridge No:	Drawn By:	Date:	File Name:
500067	WTW	6/24/2015	S0018014730

Bridge Inspection Field Sketch

SKETCH DELETED

Title	Description
SKETCH DELETED II	SKETCH DELETED

Bridge No:	Drawn By:	Date:	File Name:
500067	WTW	6/24/2015	S0018014731