NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY ACTION REQUEST, TYPICAL SECTION SKETCH REVISED, UNDERCLEARANCE SKETCHES REVISED

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 10/13/2020

DIVISION: 7 **COUNTY:** ROCKINGHAM **STRUCTURE NUMBER:** 780108 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: US311,NC700 **MILE POST:**

LOCATION: 0.41 MI. W. JCT. SR1962

FEATURE INTERSECTED: US311, NC14, NC87,NC770

LATITUDE: 36° 30' 25.2" **LONGITUDE:** 79° 44' 41.64"

SUPERSTRUCTURE:

SUBSTRUCTURE:

SPANS: 3 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

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

NBI GRADES: **DECK** 5 **SUPERSTRUCTURE** 5 **SUBSTRUCTURE** 4 **CULVERT** N

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

OTHER SIGNS PRESENT: (6) LOW CLEARANCE

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 W-E

DIRECTION MATCHES PLANS

WEST APPROACH

INSPECTED BY	SIGNATURE	ASSISTED BY
JOSH B. WHITE, PE	J. B. White	JWD

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

12/11/2020

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE **780108**
(8) STRUCTURE NUMBER (FEDERAL) **1570108**
(5) INVENTORY ROUTE (ON/UNDER) ON **121003110**
(2) STATE HIGHWAY DEPARTMENT DISTRICT **7**
(3) COUNTY CODE (FEDERAL) **157** (4) PLACE CODE **20080**
(6) FEATURE INTERSECTED **US311, NC14, NC87,NC770**
(7) FACILITY CARRIED **US311,NC700**
(9) LOCATION **0.41 MI. W. JCT. SR1962**
(11) MILEPOINT **0.0**
(12) BASE HIGHWAY NETWORK **0**
(13) LRS INVENTORY ROUTE & SUBROUTE
(16) LATITUDE **36° 30' 25.2"** (17) LONGITUDE **79° 44' 41.64"**
(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 **3**
(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 **0**
(42) TYPE OF SERVICE ON - **Highway - Pedestrian**
OFF - **Highway** CODE **51**
(28) LANES ON STRUCTURE **4** LANES UNDER STRUCTURE **4**
(29) AVERAGE DAILY TRAFFIC **9300**
(30) YEAR OF ADT **2017** (109) TRUCK ADT PCT **6**
(19) BYPASS OR DETOUR LENGTH **0.0**

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN **70.0**
(49) STRUCTURE LENGTH **159.0**
(50) CURB OR SIDEWALK: LEFT **5.0** RIGHT **5.0**
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB **52.0**
(52) DECK WIDTH OUT TO OUT **64.4**
(32) APPROACH ROADWAY WITH (W/ SHOULDERS) **61.0**
(33) BRIDGE MEDIAN **No median** CODE **0**
(34) SKEW **0** (35) STRUCTURE FLARED **0**
(10) INVENTORY ROUTE MIN VERT CLEAR **999.9**
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR **52.0**
(53) MIN VERT CLEAR OVER BRIDGE RDWY **999.9**
(54) MIN VERT UNDERCLEAR: REFERENCE **H** **14.4**
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE **H** **4.0**
(56) MIN LAT UNDERCLEARANCE LT: **99.9**

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 **49.00**
STATUS = **Structurally Deficient**

CLASSIFICATION — CODE

(112) NBIS BRIDGE SYSTEM **YES**
(104) HIGHWAY SYSTEM **Inventory Route not on NHS** **0**
(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 natiional network for trucks** **1**
(20) TOLL **On Free Road** **3**
(21) MAINT - **01**
(22) OWNER - **01**
(37) HISTORICAL SIGNIFICANCE - **5**

CONDITION — CODE

(58) DECK **5**
(59) SUPERSTRUCTURE **5**
(60) SUBSTRUCTURE **4**
(61) CHANNEL & CHANNEL PROTECTION **N**
(62) CULVERTS **N**

LOAD RATING AND POSTING — CODE

(31) DESIGN LOAD **H 20 + Mod** **6**
(63) OPERATING RATING METHOD - **Load Factor** **1**
(64) OPERATING RATING - **HS-38** **69**
(65) INVENTORY RATING METHOD - **1**
(66) INVENTORY RATING **HS-23** **41**
(70) BRIDGE POSTING **No Posting Required** **5**
(41) STRUCTURE OPEN, POSTED, OR CLOSED **A**
DESCRIPTION **Open, no restriction**

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION **4**
(68) DECK GEOMETRY **2**
(69) UNDERCLEARANCES, VERT & HORIZ **3**
(71) WATERWAY ADEQUACY **4**
(72) APPROACH ROADWAY ALIGNMENT **2**
(36) TRAFFIC SAFETY FEATURES **0000**
(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 **18,600** YEAR OF FUTURE ADT **2040**

INSPECTION

(90) INSPECTION DATE **10/20** (91) FREQUENCY **24**
(92) CRITICAL FEATURE INSPECTION (93) CFI DATE
A) FRACTURE CRIT DETAIL A)
B) UNDERWATER INSP B)
C) OTHER SPECIAL INSP C)
SCOUR

Structure Number **780108** County **ROCKINGHAM** Run Date **12/11/2020**

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	US311S,NC14S,NC87S,NC770W	21003110	14.8	0.0	1	30014	14	2	14000	2017	61.5	H	14.4	4.3	34.5	3		1	☐	☐
2	US311S,NC14S,NC87S,NC770W	21003110	14.8		1	30014	14	2	7500	2018	61.5	H	14.4	4.0	99.9	3	0	1	☐	☐
2	NC14N,NC87N	31000140	14.8	0.0	1	30014	14	2	14000	2017	61.5	H	14.3	4.0	33.0	3		1	☐	☐
2	NC14N,NC87N	31000140	14.8		1	30014	14	2	7500	2018	61.5	H	14.3	4.0	99.9	3	0	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** 44.0000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
18	Other Bearing	Other Bearings	18 Each	Unknow	18
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2834 Square Feet		
9	Plate Girder	Steel Open Girder/Beam	387 Feet	Legacy Red Lead Primer Systems with Various Topcoats	2178
1	Asphalt Wearing Surface	Wearing Surface	2288 Square Feet		
2	Concrete and Metal Railing	Other Bridge Railing	88 Feet		

Span Number 2 **Span Length** 71.0000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
9	Plate Girder	Steel Open Girder/Beam	630 Feet	Legacy Red Lead Primer Systems with Various Topcoats	3600
18	Other Bearing	Other Bearings	18 Each	Unknow	18
1	Reinforced Concrete Deck	Reinforced Concrete Deck	4573 Square Feet		
2	Concrete and Metal Railing	Other Bridge Railing	142 Feet		
1	Asphalt Wearing Surface	Wearing Surface	3692 Square Feet		
1	Standard Joint	Pourable Joint Seal	65 Feet		

Span Number 3 **Span Length** 44.0000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	2288 Square Feet		
1	Standard Joint	Pourable Joint Seal	65 Feet		
2	Concrete and Metal Railing	Other Bridge Railing	88 Feet		
9	Plate Girder	Steel Open Girder/Beam	387 Feet	Legacy Red Lead Primer Systems with Various Topcoats	2178
18	Other Bearing	Other Bearings	18 Each	Unknow	18
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2834 Square Feet		

Structure Element Scoring

Structure Number: **780108**

Inspection Date **10/13/2020**

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	10241	4696	3830	1715	0
107	0	Steel Open Girder/Beam	Beam	1404	0	1376	17	11
515	107	Steel Protective Coating	Beam	7956	5603	578	270	1505
205	0	Reinforced Concrete Column	Piles and Columns	18	10	1	7	0
215	0	Reinforced Concrete Abutment	Abutments	130	26	100	4	0
234	0	Reinforced Concrete Pier Cap	Caps	244	0	143	96	5
301	0	Pourable Joint Seal	Expansion Joints	130	120	0	10	0
316	0	Other Bearings	Bearing Device	54	13	1	39	1
515	316	Steel Protective Coating	Bearing Device	54	13	0	1	40
333	0	Other Bridge Railing	Bridge Rail	318	125	188	5	0
510	0	Wearing Surface	Wearing Surfaces	8268	6942	136	1190	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **780108** Inspection Date: **10/13/2020**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	5350 Square Feet
3326	Reinforced Concrete Deck	Exposed Rebar	35 Square Feet
3326	Reinforced Concrete Deck	Delamination/Spall	125 Square Feet
3314	Steel Open Girder/Beam	Distortion	4 Feet
3314	Steel Open Girder/Beam	Damage	69 Feet
3314	Steel Open Girder/Beam	Corrosion	24 Feet
3348	Reinforced Concrete Column	Cracking (RC and Other)	90 Each
3348	Reinforced Concrete Column	Exposed Rebar	27 Each
3348	Reinforced Concrete Column	Delamination/Spall	7 Each
3350	Reinforced Concrete Abutment	Delamination/Spall	4 Feet
3348	Reinforced Concrete Pier Cap	Exposed Rebar	13 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	81 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	71 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	3 Feet
3334	Other Bearings	Loss of Bearing Area	1 Each
3334	Other Bearings	Corrosion	37 Each
3334	Other Bearings	Connection	2 Each
3318	Other Bridge Railing	Patched Area	4 Feet
3318	Other Bridge Railing	Connection	2 Feet
2816	Wearing Surface	Delamination/Spall (Wearing Surfaces)	2 Square Feet
2816	Wearing Surface	Patched Area/Pothole (Wearing Surface)	16 Square Feet
2816	Wearing Surface	Crack (Wearing Surface)	1174 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	1816 Square Feet
3342	Steel Protective Coating	Peeling/Bubbling/Cracking (steel Protective Coatings)	578 Square Feet

Element Structure Maintenance Quantities

Structure Number: **780108** Inspection Date **10/13/2020**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	4	130	0	4	100	26
Beam	3314	Maintenance Steel Superstructure Components	97	1404	11	17	1376	0
Beam	3342	Clean and Paint Steel	2353	7956	1505	270	578	5603
Bearing Device	3334	Bridge Bearing	40	54	1	39	1	13
Bearing Device	3342	Clean and Paint Steel	41	54	40	1	0	13
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	6	318	0	5	188	125
Caps	3348	Maintenance of Concrete Substructure	168	244	5	96	143	0
Deck	3326	Maintenance of Concrete Deck	5510	10241	0	1715	3830	4696
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	130	0	10	0	120
Piles and Columns	3348	Maintenance of Concrete Substructure	124	18	0	7	1	10
Wearing Surfaces	2816	Asphalt Surface Repair	1192	8268	0	1190	136	6942

Priority Actions Request

Structure Number 780108

Span1

3314 **Beam 9** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 1 Beam 9: PAR: 2 1/2" X 3 1/2" HOLE IN LEFT STIFFENER AT DIAPHRAGM AT BENT 1

Span2

3326 **Deck** Reinforced Concrete Deck

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	2	Span 2 Deck: PAR: 18" X 12" X 2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 1 OVER FIRST DIAPHRAGM
2	Exposed Rebar	9	Span 2 Deck: PAR: 3' DIAMETER X 2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 1 AT 2ND UTILITY HANGER
2	Exposed Rebar	6	Span 2 Deck: PAR: 30" X 20" X 2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 1 AT 5TH UTILITY HANGER
2	Exposed Rebar	5	Span 2 Deck: PAR: 5' X 8" X 5" SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 8 DIAPHRAGM OVER BENT 2

3314 **Beam 1** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 2 Beam 1: PAR: 3/8" REMAINING (1/4" SECTION LOSS) ON FULL HEIGHT OF WEB UNDER DIAPHRAGM FOR 8" LONG AT BENT 1
2	Corrosion	1	Span 2 Beam 1: PAR: 3/8" REMAINING (1/4" SECTION LOSS) ON TOP 3" OF WEB FOR 8" LONG UNDER DIAPHRAGM AT BENT 2
2	Connection	1	Span 2 Beam 1 - Beam 1 Near Bearing: PAR: MISSING RIGHT ANCHOR BOLT NUT

3314 **Beam 4** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Distortion	2	Span 2 Beam 4: PAR: at 22ft-11in from bent 1 bearing, impact damage - bottom flange bent upward 2-1/2in with lower web buckled [up to 1-1/2in] and gouge in cover plate [1/8in deep]

3314 **Beam 7** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Distortion	2	Span 2 Beam 7: PAR: at 21ft-7in from Bent 1 bearing, impact damage - bottom flange bent upward 2-1/8in, web bent 1-1/4in with gouge in bottom flange [1/8in deep], diaphragm 12in east of impact bent at bottom bolts

3314 **Beam 9** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description

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

Priority Actions Request

Structure Number 780108

2	Corrosion	1	Span 2 Beam 9: PAR: 3/4" X 3/4" HOLE IN LEFT STIFFENER AT DIAPHRAGM AT BENT 2
2	Corrosion	1	Span 2 Beam 9: PAR: 3/8" REMAINING (1/4" SECTION LOSS) ON TOP 2 1/2" OF WEB FOR 8" LONG UNDER DIAPHRAGM AT BENT 2 WITH 3/4" REMIANING (3/16" SECTION LOSS) ON BOTTOM FLANGES FOR 1' AT BENT 2

3318 **Right Bridge Rail** Concrete and Metal Railing

Priority Level	Defect Type	Quantity	Defect Description
2	Connection	1	Span 2 Right Bridge Rail: PAR: MISSING BOLT NUT ON LAST POST IN SPAN

Span3

3326 **Deck** Reinforced Concrete Deck

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Span 3 Deck: PAR: 30" X 15" X 2 1/2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 7 AT 2' FROM END BENT 2
2	Exposed Rebar	6	Span 3 Deck: PAR: 30" X 24" X 3" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 8 AT 8' FROM END BENT 2

3314 **Beam 1** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 3 Beam 1: PAR: 7/16" REMAINING (3/16" SECTION LOSS) ON TOP 2" OF WEB FOR 8" LONG UNDER DIAPHRAGM AT BENT 2

3334 **Beam 7** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
3	Loss of Bearing Area	1	Span 3 Beam 7 - Beam 7 Near Bearing: PAR: SHEARED AND BENT BOLTS FROM BEARING TO CAP DUE TO LARGE SPALL ON CAP UNDER GIRDER

3314 **Beam 9** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 3 Beam 9: PAR: 3/16" REMAINING (3/16" SECTION LOSS) IN LEFT STIFFENER FOR FULL HEIGHT AT BENT 2

Bent 1

3348 **Pile 3** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description

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

Priority Actions Request

Structure Number 780108

2	Exposed Rebar	9	Bent 1 Pile 3: PAR: 9' X 8" X 8" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHEAST CORNER

Bent 2

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
3	Exposed Rebar	5	Bent 2 Cap 1: PAR: 51" X 18" X 11" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS UNDER GIRDER 7 SPAN 3 WITH UP TO 6.5" DEEP LOSS OF BEARING

3348 **Pile 2** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	2	Bent 2 Pile 2: PAR: 16" X 15" X 4" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON NORTHEAST CORNER AT TOP
2	Exposed Rebar	3	Bent 2 Pile 2: PAR: 3' X 10" X 11" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHEAST CORNER AT TOP

3348 **Pile 3** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	3	Bent 2 Pile 3: PAR: 3' X 15" X 12" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON NORTHEAST CORNER
2	Exposed Rebar	3	Bent 2 Pile 3: PAR: 3' X 6" X 6" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHEAST CORNER
2	Exposed Rebar	3	Bent 2 Pile 3: PAR: 30" X 11" X 2 1/2" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON WEST FACE
2	Exposed Rebar	4	Bent 2 Pile 3: PAR: 4' X 8" X 6" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHWEST CORNER

Element Condition and Maintenance Data

Structure Number: **780108** Inspection Date: **10/13/2020**

Span 1 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	2,834	1,032	1,751	51	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Delamination/Spall**	**2' X 2' X 1" DEEP SPALL WITH EXPOSED REBAR IN BAY 8**	3	4	4	Square Feet
12	**Delamination/Spall**	**30" X 24" DELAMINATION IN BAY 8 NEAR END BENT 1**	3	6	6	Square Feet
12	**Delamination/Spall**	**7' X 5' AND 3' X 18" DELAMINATED AREAS IN BAY 8 ALONG UNDERSIDE**	3	41	35	Square Feet
12	**Cracking (RC and Other)**	**bottom of the deck has 1500 sq. ft. of 1/32" wide map cracking thru out the span**	2	1,750	1,750	Square Feet
12	**Patched Areas**	**bottom of the deck at bent 1 has a patch adjacent to the top right flange of beam 9. 2 ft. long x 8" high with 1/16" wide cracking**	2	1		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	43	0	42	1	0	Feet
515	Steel Protective Coating	242	187	15	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**1/16" section loss on the bottom flange at bent 1 from the face of bearing out 1 ft. long x full width with 7/8" remaining**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	42		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	40	40	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	15	15	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	43	0	42	1	0	Feet
515	Steel Protective Coating	242	204	18	0	20	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**1/2" REMAINING (1/8" SECTION LOSS) ON TOP 2" OF WEB FOR 8" LONG AT BENT 1**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	42		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	20	20	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	18	18	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	43	0	42	1	0	Feet
515	Steel Protective Coating	242	200	12	0	30	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**1/2" REMAINING (1/8" SECTION LOSS) ON TOP 2" OF WEB FOR 8" LONG AT BENT 1**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	42		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	30	30	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	12	12	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	43	0	42	1	0	Feet
515	Steel Protective Coating	242	190	12	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**1/2" REMAINING (1/8" SECTION LOSS) ON TOP 2" OF WEB FOR 8" LONG AT BENT 1**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	42		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	40	40	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	12	12	Square Feet

General Comments

Span 1 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	43	0	43	0	0	Feet
515	Steel Protective Coating	242	190	12	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	43		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	40	40	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	12	12	Square Feet

General Comments

Span 1 Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	43	0	42	1	0	Feet
515	Steel Protective Coating	242	182	15	0	45	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**1/2" REMAINING (1/8" SECTION LOSS) ON TOP 2" OF WEB FOR 8" LONG AT BENT 1**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	42		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	45	45	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	15	15	Square Feet

General Comments

Span 1 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	43	0	42	1	0	Feet
515	Steel Protective Coating	242	190	12	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**1/2" REMAINING (1/8" SECTION LOSS) ON TOP 2" OF WEB FOR 8" LONG AT BENT 1**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	42		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	40	40	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	12	12	Square Feet

General Comments

Span 1 Beam 8

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	43	0	43	0	0	Feet
515	Steel Protective Coating	242	188	14	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	43		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	40	40	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	14	14	Square Feet

General Comments

Span 1 Beam 9

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	43	0	41	1	1	Feet
515	Steel Protective Coating	242	187	10	0	45	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**PAR: 2 1/2" X 3 1/2" HOLE IN LEFT STIFFENER AT DIAPHRAGM AT BENT 1**	4	1	1	Feet
107	**Corrosion**	**1/16" section loss on the bottom flange at bent 1 from the face of bearing out 1 ft. long x full width with 15/16" remaining AND 1/2" REMAINING (1/8" SECTION LOSS) ON TOP 2" OF WEB FOR 8" LONG AT BENT 1**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	41		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	45	45	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	10	10	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	2,288	2,074	12	202	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**1" TRANSVERSE CRACK OVER END BENT 1**	3	52	52	Square Feet
510	**Crack (Wearing Surface)**	**1/8" wide map cracking thru out the top of the wearing surface**	3	150	150	Square Feet
510	**Delamination/Spall (Wearing Surfaces)**	**2 spalled areas in the wearing surface over bent 1 joint up to 24" wide x 10" long x 1" deep**	2	4		Square Feet
510	**Patched Area/Pothole (Wearing Surface)**	**8 sq. ft. of sound patches thru out the top of the wearing surface**	2	8		Square Feet

General Comments

Span 1 Left Bridge Rail

Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	44	17	27	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	**Cracking (RC and Other)**	**1/32" wide vertical cracks thru out the length of the rail**	2	27		Feet

General Comments

Span 1 — Right Bridge Rail

Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	44	12	28	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	**Patched Area**	**end bent 1, right side concrete rail end post has a unsound patch with 1/8'' wide longitudinal cracking, same at all 4 corners of the bridge**	3	4	4	Feet
333	**Cracking (RC and Other)**	**1/32'' wide vertical cracks thru out the length of the rail**	2	26		Feet
333	**Patched Area**	**sidewalk at end bent 1, patch, 2 ft. long x 1 ft. wide with 1/16'' wide cracking. The curb is spalled prior to the bridge**	2	2		Feet

General Comments

Span 1 — Beam 1 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 1, beam 1 near bearing has 1/16'' section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 1 — Beam 1 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 1, beam 1 far bearing has 1/16'' section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 1 — Beam 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**	**span 1, beam 2 far bearing has 1/16'' section loss**	2	1		Each

515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 1 — Beam 3 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 1, beam 3 far bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 1 — Beam 4 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 1, beam 4 far bearing has 1/16" section loss**	3	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 1 — Beam 5 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 1, beam 5 far bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 1 — Beam 6 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 1, beam 6 far bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 1 — Beam 7 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 1, beam 7 far bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 1 — Beam 8 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 1, beam 8 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 1 — Beam 8 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 1, beam 8 far bearing has 1/16" section loss**	3	1	1	Each
316	**Connection**	**RAISED LEFT ANCHOR BOLT NUT BUT CANNOT BE MOVED BY HAND**	2		1	Each

515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 1 — Beam 9 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 1, beam 9 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 1 — Beam 9 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 1, beam 9 far bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	3	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	4,573	2,500	2,051	22	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Exposed Rebar**	**PAR: 18" X 12" X 2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 1 OVER FIRST DIAPHRAGM**	3	2	2	Square Feet
12	**Exposed Rebar**	**PAR: 3' DIAMETER X 2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 1 AT 2ND UTILITY HANGER**	3	9	9	Square Feet
12	**Exposed Rebar**	**PAR: 30" X 20" X 2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 1 AT 5TH UTILITY HANGER**	3	6	6	Square Feet
12	**Exposed Rebar**	**PAR: 5' X 8" X 5" SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 8 DIAPHRAGM OVER BENT 2**	3	5	5	Square Feet
12	**Cracking (RC and Other)**	**bottom of the deck has 2050 sq. ft. of hairline to 1/32" wide map cracking thru out the span**	2	2,050	2,050	Square Feet
12	**Exposed Rebar**	**bottom of the deck in bay 1 at bent 2 has a spall, 16" long x 4" wide x 1/2" deep with exposed rebar**	2	1	1	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	70	0	68	0	2	Feet
515	Steel Protective Coating	400	235	35	0	130	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**PAR: 3/8" REMAINING (1/4" SECTION LOSS) ON FULL HEIGHT OF WEB UNDER DIAPHRAGM FOR 8" LONG AT BENT 1**	4	1	1	Feet
107	**Corrosion**	**PAR: 3/8" REMAINING (1/4" SECTION LOSS) ON TOP 3" OF WEB FOR 8" LONG UNDER DIAPHRAGM AT BENT 2**	4	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	44		Feet
107	**Corrosion**	**web stiffener at right web at bent 2 has been repaired due to section loss with a steel plate, 12" high x 5" wide x 1/2" thick**	2	1		Feet
107	**Damage**	**high load scrapes on the bottom flange over north and south bound lanes**	2	20	20	Feet
107	**Distortion**	**at 22ft-9in from Bent 2, impact damage - lower web pushed out 1in x 8in high with divot on bottom flange [3/16in deep] and bottom flange bent upwards [1/4in]**	2	3		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	130	130	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	35	35	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	70	0	69	1	0	Feet
515	Steel Protective Coating	400	245	30	0	125	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**1/2" REMAINING (1/8" SECTION LOSS) ON TOP 2" AND BOTTOM 3" OF WEB FOR 8" LONG AT BENT 1**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	49		Feet
107	**Damage**	**high load scrapes on the bottom flange over north and south bound lanes**	2	20	20	Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	125	125	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	30	30	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	70	0	69	1	0	Feet
515	Steel Protective Coating	400	240	35	0	125	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**1/2" REMAINING (1/8" SECTION LOSS) ON TOP 2" AND BOTTOM 3" OF WEB FOR 8" LONG AT BENT 1**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	61		Feet
107	**Damage**	**high load scrapes on the bottom flange over north and south bound lanes**	2	8	8	Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	125	125	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	35	35	Square Feet

General Comments

Span 2 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	70	0	67	1	2	Feet
515	Steel Protective Coating	400	250	35	0	115	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Distortion**	**PAR: at 22ft-11in from bent 1 bearing, impact damage - bottom flange bent upward 2-1/2in with lower web buckled [up to 1-1/2in] and gouge in cover plate [1/8in deep]**	4	2	2	Feet
107	**Corrosion**	**1/2" REMAINING (1/8" SECTION LOSS) ON TOP 2" AND BOTTOM 3" OF WEB FOR 8" LONG AT BENT 1**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	67		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	115	115	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	35	35	Square Feet

General Comments

Span 2 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	70	0	70	0	0	Feet
515	Steel Protective Coating	400	260	30	110	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	70		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	3	110	110	Square Feet

515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	30	30	Square Feet

General Comments

Span 2 Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	70	0	69	1	0	Feet
515	Steel Protective Coating	400	245	35	120	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**1/2" REMAINING (1/8" SECTION LOSS) ON TOP 2" AND BOTTOM 3" OF WEB FOR 8" LONG AT BENT 1**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	64		Feet
107	**Damage**	**high load scrapes on the bottom flange over north bound lanes**	2	5	5	Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	3	120	120	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	35	35	Square Feet

General Comments

Span 2 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	70	0	67	1	2	Feet
515	Steel Protective Coating	400	240	35	0	125	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Distortion**	**PAR: at 21ft-7in from Bent 1 bearing, impact damage - bottom flange bent upward 2-1/8in, web bent 1-1/4in with gouge in bottom flange [1/8in deep], diaphragm 12in east of impact bent at bottom bolts**	4	2	2	Feet
107	**Corrosion**	**1/2" REMAINING (1/8" SECTION LOSS) ON TOP 2" AND BOTTOM 3" OF WEB FOR 8" LONG AT BENT 1**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	63		Feet
107	**Damage**	**high load scrapes on the bottom flange over north bound lanes**	2	4	4	Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	125	125	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	35	35	Square Feet

General Comments

Span 2 Beam 8

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	70	0	70	0	0	Feet
515	Steel Protective Coating	400	240	40	0	120	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	62		Feet
107	**Damage**	**high load scrapes on the bottom flange over north and south bound lanes, beam 9 same**	2	8	8	Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	120	120	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	40	40	Square Feet

General Comments

Span 2 Beam 9

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	70	0	68	0	2	Feet
515	Steel Protective Coating	400	245	30	0	125	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**PAR: 3/4" X 3/4" HOLE IN LEFT STIFFENER AT DIAPHRAGM AT BENT 2**	4	1	1	Feet
107	**Corrosion**	**PAR: 3/8" REMAINING (1/4" SECTION LOSS) ON TOP 2 1/2" OF WEB FOR 8" LONG UNDER DIAPHRAGM AT BENT 2 WITH 3/4" REMIANING (3/16" SECTION LOSS) ON BOTTOM FLANGES FOR 1' AT BENT 2**	4	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	64		Feet
107	**Damage**	**high load scrapes on the bottom flange over north and south bound lanes**	2	4	4	Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	125	125	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	30	30	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	3,692	2,920	72	700	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**1/8'' wide map cracking thru out the top of the wearing surface**	3	700	700	Square Feet
510	**Delamination/Spall (Wearing Surfaces)**	**void, 2 ft. wide x 6'' long x 1/5'' deep, 16 ft. from the left curb at bent 2**	2	2	2	Square Feet
510	**Patched Area/Pothole (Wearing Surface)**	**12 sq. ft. of sound patches thru out the top of the wearing surface**	2	12		Square Feet

510	**Patched Area/Pothole (Wearing Surface)**	**MINOR POTHOLING IN TRAVEL LANES**	2	6	Square Feet
510	**Patched Area/Pothole (Wearing Surface)**	**PATCHED AREA OVER BENT 1**	2	52	Square Feet

General Comments

Span 2 — Left Bridge Rail

Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	71	26	45	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	**Connection**	**RAISED ANCHOR NUTS ON 2ND TO LAST RAIL POST**	2	1	1	Feet
333	**Cracking (RC and Other)**	**1/32" wide vertical cracks thru out the length of the rail**	2	44		Feet

General Comments

Span 2 — Right Bridge Rail

Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	71	29	41	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	**Connection**	**PAR: MISSING BOLT NUT ON LAST POST IN SPAN**	3	1	1	Feet
333	**Cracking (RC and Other)**	**1/32" wide vertical cracks thru out the length of the rail**	2	41		Feet

General Comments

Span 2 — Beam 1 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Connection**	**PAR: MISSING RIGHT ANCHOR BOLT NUT**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 1 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

316	**Corrosion**	**span 2, beam 1 far bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 2 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 2, beam 2 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 2 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 2, beam 2 far bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 3 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 2, beam 3 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 3 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 2, beam 3 far bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 4 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 2, beam 4 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 4 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 2, beam 4 far bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 5 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 2, beam 5 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 5 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 2, beam 5 far bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 6 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 2, beam 6 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 6 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 2, beam 6 far bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 7 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

316	**Corrosion**	**span 2, beam 7 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 7 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 2, beam 7 far bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 8 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 2, beam 8 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 8 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 2, beam 8 far bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 9 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 2, beam 9 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Beam 9 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 2, beam 9 far bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 2 — Expansion Joint

Standard Joint

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
301	Pourable Joint Seal	65	55	0	10	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
301	**Damage**	**bent 1 joint has 2 areas of missing joint material at the left and right sidewalk, 5 ft. long x 4" wide x full depth, photo taken on the right side**	3	10		Feet

General Comments

Paved over

Span 3 — Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	2,834	1,164	28	1,642	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Cracking (RC and Other)**	**bay 8 adjacent to interior diaphragm, map cracking [10ft x 5ft x up to 1/16in wide]**	3	50	50	Square Feet
12	**Cracking (RC and Other)**	**bottom of the deck has 1500 sq. ft. of 1/32" wide map cracking thru out the span**	3	1,500	1,500	Square Feet
12	**Delamination/Spall**	**DELAMINATED AREAS ALONG BAY 7 AND 8 NEAR BENT 2**	3	80	80	Square Feet

12	**Exposed Rebar**	**PAR: 30" X 15" X 2 1/2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 7 AT 2' FROM END BENT 2**	3	6	6	Square Feet
12	**Exposed Rebar**	**PAR: 30" X 24" X 3" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 8 AT 8' FROM END BENT 2**	3	6	6	Square Feet
12	**Patched Areas**	**bottom of the deck at bent 2 has a patch adjacent to the top right flange of beam 9. 2 ft. long x 1 ft. high with 1/16'' wide cracking**	2	2		Square Feet
12	**Patched Areas**	**bottom of the deck in bay 1, near end bent 2 has a 14'' long x 18'' wide patched area**	2	2		Square Feet
12	**Patched Areas**	**span 3, bottom of the deck in bay 8 has a patched area, 4 ft. long x 6 ft. wide, near end bent 2**	2	24		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	43	0	42	0	1	Feet
515	Steel Protective Coating	242	184	18	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**PAR: 7/16" REMAINING (3/16" SECTION LOSS) ON TOP 2" OF WEB FOR 8" LONG UNDER DIAPHRAGM AT BENT 2**	4	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	42		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	40	40	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	18	18	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	43	0	41	2	0	Feet
515	Steel Protective Coating	242	187	15	40	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**1/2" REMAINING (1/8" SECTION LOSS) ON TOP 2" OF WEB FOR 8" LONG AT BENT 2**	3	1	1	Feet
107	**Corrosion**	**web stiffener at near end, arrested metal loss [6in x 1.5in x 1/4in loss]**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	41		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	3	40	40	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	15	15	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	43	0	43	0	0	Feet
515	Steel Protective Coating	242	189	18	0	35	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	43		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	35	35	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**paint peeling from the flanges and web thru out the length of the beam**	2	18	18	Square Feet

General Comments

Span 3 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	43	0	43	0	0	Feet
515	Steel Protective Coating	242	189	18	0	35	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	43		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	35	35	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	18	18	Square Feet

General Comments

Span 3 Beam 5

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	43	0	42	1	0	Feet
515	Steel Protective Coating	242	184	18	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**1/2" REMAINING (1/8" SECTION LOSS) ON TOP 2" OF WEB FOR 8" LONG AT BENT 2**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	42		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	40	40	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	18	18	Square Feet

General Comments

Span 3 Beam 6

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	43	0	42	1	0	Feet
515	Steel Protective Coating	242	184	18	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**web stiffener at near end, arrested metal loss [6in x 1.25in x 1/4in loss]**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	42		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	40	40	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	18	18	Square Feet

General Comments

Span 3 Beam 7

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	43	0	43	0	0	Feet
515	Steel Protective Coating	242	192	15	0	35	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	43		Feet
515	**Effectiveness (Steel Protective Coatings)**	**at isolated areas, paint failure with corrosion of exposed underlying metal**	4	35	35	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	15	15	Square Feet

General Comments

Span 3 Beam 8

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	43	0	43	0	0	Feet
515	Steel Protective Coating	242	184	18	0	40	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	43		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	40	40	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	18	18	Square Feet

General Comments

Span 3 Beam 9

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	43	0	41	1	1	Feet
515	Steel Protective Coating	242	192	15	0	35	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**PAR: 3/16" REMAINING (3/16" SECTION LOSS) IN LEFT STIFFENER FOR FULL HEIGHT AT BENT 2**	4	1	1	Feet
107	**Corrosion**	**1/2" REMAINING (1/8" SECTION LOSS) ON TOP 2" OF WEB FOR 8" LONG AT BENT 2**	3	1	1	Feet
107	**Corrosion**	**freckled rust on the flanges and web thru out the length of the beam**	2	41		Feet
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	35	35	Square Feet
515	**Peeling/Bubbling/Cracking (steel Protective Coatings)**	**areas of peeling paint on the flanges and web thru out the length of the beam**	2	15	15	Square Feet

General Comments

Span 3 Beam 1 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 3, beam 1 near bearing has 1/16'' section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 3 Beam 1 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 3, beam 1 far bearing has 1/16'' section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 3 — Beam 2 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 3, beam 2 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 3 — Beam 3 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 3, beam 3 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 3 — Beam 4 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 3, beam 4 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 3 — Beam 5 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 3, beam 5 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 3 — Beam 6 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 3, beam 6 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 3 — Beam 7 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	0	1	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Loss of Bearing Area**	**PAR: SHEARED AND BENT BOLTS FROM BEARING TO CAP DUE TO LARGE SPALL ON CAP UNDER GIRDER**	4	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 3 — Beam 8 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 3, beam 8 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 3 — Beam 9 Near Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

316	**Corrosion**	**span 3, beam 9 near bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	1	1	Square Feet

General Comments

Span 3 — Beam 9 Far Bearing

Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	0	1	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
316	**Corrosion**	**span 3, beam 9 far bearing has 1/16" section loss**	3	1	1	Each
515	**Effectiveness (Steel Protective Coatings)**	**protective coating has failed due to rust**	4	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	2,288	1,948	52	288	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**1" TRANSVERSE CRACK OVER END BENT 2**	3	52	52	Square Feet
510	**Crack (Wearing Surface)**	**1/8" wide map cracking thru out the top of the wearing surface**	3	220	220	Square Feet
510	**Patched Area/Pothole (Wearing Surface)**	**8' X 16" X 1 1/2" DEEP POTHOLE IN RIGHT EAST BOUND LANE AT END BENT 2**	3	16	16	Square Feet
510	**Patched Area/Pothole (Wearing Surface)**	**PATCHED AREA OVER BENT 2**	2	52		Square Feet

General Comments

Span 3 — Left Bridge Rail

Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	44	23	21	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	**Corrosion**	**at bent 2, sawcut area with exposed rusted reinforcing**	2	1		Feet
333	**Cracking**	**1/32" wide vertical cracks thru out the length of the rail**	2	20		Feet

General Comments

Span 3 — Right Bridge Rail

Concrete and Metal Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
333	Other Bridge Railing	44	18	26	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
333	**Cracking**	**1/32" wide vertical cracks thru out the length of the rail**	2	26		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	65	0	37	28	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Patched Area**	**28 ft. of unsound patches thru out the face of the cap with 1/16" wide cracking with adjacent delamination**	3	28	28	Feet
234	**Cracking (RC and Other)**	**1/16" HORIZONTAL CRACKING THROUGHOUT**	2	35		Feet
234	**Exposed Rebar**	**2- spalls in the face of the cap, near groundline, under beam 4 and bay 4, 5" in diameter x 1" deep with exposed rebar**	2	2	2	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	57	0	54	3	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Cracking (RC and Other)**	**1/16" wide map cracking on the south end with efflo.**	3		3	Feet
234	**Delamination/Spall**	**north end of the cap has 1/16" wide map cracking with efflo. and delamination**	3	3	3	Feet
234	**Patched Area**	**patched areas on span 1 side of the cap, 50 ft. long x 2 ft. high with 1/16" wide cracking and delamination**	3		50	Feet
234	**Cracking (RC and Other)**	**1/32" MAP CRACKING THROUGHOUT UNDERSIDE AND BOTH FACES**	2	48		Feet
234	**Exposed Rebar**	**18" X 3" X 3" SPALL WITH EXPOSED REBAR UNDER GIRDER 4 SPAN 1 ON TOP OF CAP**	2	2	2	Feet
234	**Exposed Rebar**	**4' X 6" X 5" SPALL WITH EXPOSED REBAR ON TOP OF CAP IN BAY 1 ON SPAN 2 SIDE**	2	4	4	Feet
234	**Patched Area**	**patched area on the south end, 10" wide x 28" high**	2			Feet

General Comments

Bent 1 Pile 1

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	**Cracking (RC and Other)**	**map cracking [up to full length x full width x up to 1/16" wide] with adjacent unsound patches**	3	1	15	Each

General Comments

Bent 1 Pile 2

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	**Cracking (RC and Other)**	**1/16" wide cracking and unsound patches on all sides, full height**	2	1		Each

General Comments

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	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	**Delamination/Spall**	**7' X 9" X 4" DELAMINATION ON NORTHEAST CORNER**	3		7	Each
205	**Exposed Rebar**	**PAR: 9' X 8" X 8" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHEAST CORNER**	3	1	9	Each

General Comments

Bent 1 Pile 4

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	**Cracking (RC and Other)**	**1/16" wide cracking and unsound patches on all sides, full height**	3	1	15	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	65	0	65	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	**Cracking (RC and Other)**	**1/32" HORIZONTAL CRACKING THROUGHOUT BACKWALL**	2	65		Feet

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	65	0	0	65	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Cracking (RC and Other)**	**map cracking [up to full length x full height x up to 1/8in] with adjacent efflorescence and rust staining**	3	65	65	Feet

General Comments

Bent 2 — Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	57	0	52	0	5	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Exposed Rebar**	**PAR: 51" X 18" X 11" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS UNDER GIRDER 7 SPAN 3 WITH UP TO 6.5" DEEP LOSS OF BEARING**	4	5	5	Feet
234	**Cracking (RC and Other)**	**right end of cap has 3 ft. of unsound patches with efflo. and rust stains**	3		3	Feet
234	**Patched Area**	**left end of cap has 3 ft. of unsound patches with efflo.**	3		3	Feet
234	**Cracking (RC and Other)**	**1/16" wide map cracking on the west and east face and bottom of the cap with rust stains and adjacent delamination thru out the length of the cap**	2	52		Feet
234	**Patched Area**	**span 3 side has 23 ft. of patches under beams 1,2,3,6, and 8**	2			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	0	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	**Cracking (RC and Other)**	**1/16" wide cracking and unsound patches on all sides, full height**	3	1	15	Each

General Comments

Bent 2 — Pile 2

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Cracking (RC and Other)	1/16" wide cracking and unsound patches on all sides, full height	3		15	Each
205	Exposed Rebar	PAR: 16" X 15" X 4" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON NORTHEAST CORNER AT TOP	3		2	Each
205	Exposed Rebar	PAR: 3' X 10" X 11" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHEAST CORNER AT TOP	3	1	3	Each

General Comments

Bent 2 — Pile 3

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Cracking (RC and Other)	1/16" wide cracking and unsound patches on all sides, full height	3		15	Each
205	Exposed Rebar	PAR: 3' X 15" X 12" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON NORTHEAST CORNER	3		3	Each
205	Exposed Rebar	PAR: 3' X 6" X 6" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHEAST CORNER	3		3	Each
205	Exposed Rebar	PAR: 30" X 11" X 2 1/2" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON WEST FACE	3		3	Each
205	Exposed Rebar	PAR: 4' X 8" X 6" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHWEST CORNER	3	1	4	Each

General Comments

Bent 2 — Pile 4

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Cracking (RC and Other)	1/16" wide cracking and unsound patches on all sides, full height	3	1	15	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	65	26	35	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Delamination/Spall	North face, spall [2ft x 2ft x 1.5in deep] with exposed rusted reinforcing	3	4	4	Feet

215	**Cracking (RC and Other)**	**1/32" map cracking [up to 35ft x full height]**	2	35	Feet

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2834
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	43
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	43
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	43
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	43
Span 1	Beam 5	Plate Girder	Steel Open Girder/Beam	43
Span 1	Beam 6	Plate Girder	Steel Open Girder/Beam	43
Span 1	Beam 7	Plate Girder	Steel Open Girder/Beam	43
Span 1	Beam 8	Plate Girder	Steel Open Girder/Beam	43
Span 1	Beam 9	Plate Girder	Steel Open Girder/Beam	43
Span 1	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	44
Span 1	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	44
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2288
Span 1	Beam 1 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 1 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 2 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 2 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 3 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 3 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 4 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 4 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 5 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 5 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 6 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 6 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 7 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 7 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 8 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 8 Near Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 9 Far Bearing	Other Bearing	Other Bearings	1
Span 1	Beam 9 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	4573
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	70
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	70
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	70
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	70
Span 2	Beam 5	Plate Girder	Steel Open Girder/Beam	70
Span 2	Beam 6	Plate Girder	Steel Open Girder/Beam	70
Span 2	Beam 7	Plate Girder	Steel Open Girder/Beam	70
Span 2	Beam 8	Plate Girder	Steel Open Girder/Beam	70
Span 2	Beam 9	Plate Girder	Steel Open Girder/Beam	70
Span 2	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	71
Span 2	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	71
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	3692
Span 2	Beam 1 Far Bearing	Other Bearing	Other Bearings	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 2	Beam 1 Near Bearing	Other Bearing	Other Bearings	1
Span 2		Unknow	Steel Protective Coating	1
Span 2	Beam 2 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 2 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 3 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 3 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 4 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 4 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 5 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 5 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 6 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 6 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 7 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 7 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 8 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 8 Near Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 9 Far Bearing	Other Bearing	Other Bearings	1
Span 2	Beam 9 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2834
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	43
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	43
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	43
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	43
Span 3	Beam 5	Plate Girder	Steel Open Girder/Beam	43
Span 3	Beam 6	Plate Girder	Steel Open Girder/Beam	43
Span 3		Legacy Red Lead Primer Systems with Various Topcoats	Steel Protective Coating	242
Span 3	Beam 7	Plate Girder	Steel Open Girder/Beam	43
Span 3	Beam 8	Plate Girder	Steel Open Girder/Beam	43
Span 3	Beam 9	Plate Girder	Steel Open Girder/Beam	43
Span 3	Left Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	44
Span 3	Right Bridge Rail	Concrete and Metal Railing	Other Bridge Railing	44
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	2288
Span 3	Beam 1 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 1 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 2 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 2 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 3 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 3 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 4 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 4 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 5 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 5 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 6 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 6 Near Bearing	Other Bearing	Other Bearings	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Beam 7 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 7 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 8 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 8 Near Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 9 Far Bearing	Other Bearing	Other Bearings	1
Span 3	Beam 9 Near Bearing	Other Bearing	Other Bearings	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	57
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	65
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	65
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	57
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	65
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	65

General Inspection Notes

Span 3 Expansion Joint

Paved over

National Bridge and NC Inspection Items

Structure Number: 780108 **Inspection Date:** 10/13/2020

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**5**
Item 59: Superstructure	0 - 9 , N	**5**
Item 60: Substructure	0 - 9 , N	**4**
Item 61: Channel and Channel Protection	0 - 9 , N	**N**
Item 62: Culvert	0 - 9 , N	**N**
Item 71: Waterway Adequacy	0 - 9 , N	**N**
Item 72: Approach Roadway Alignment	0 - 9 , N	**8**

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

NC SMU Inspection Items

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

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	**N**
Priority Maintenance Request Submitted	YES/NO	**Y**
Inspection Time	Hours	**8**
Traffic Control Time	Hours	**0**
Snooper Time	Hours	**0**
Ladder Used	YES/NO	**Y**
Bucket Truck Used	YES/NO	**N**
Boat Used	YES/NO	**N**
Other Equipment Used	YES/NO	**N**
Portion of Structure in > 3' of water	YES/NO	**N**

National Bridge and NC SMU Inspection Item Details

Structure Number: 780108 **Inspection Date:** 10/13/2020

Item Deck - Item 58 **Grade** 5 **Maint Code** **Qty.** 0

Details SEVERAL SPALLS WITH EXPOSED REBAR IN SPAN 2 UNDERSIDE WITH SECTION LOSS
DELAMINATIONS AND PATCHES ALONG UNDERSIDE
SPALLS, DELAMINATIONS, AND CRACKING ALONG DIAPHRAGMS
LARGE SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 8 DIAPHRAGM OVER BENT 2 IN SPAN 2

Item Superstructure - Item 59 **Grade** 5 **Maint Code** **Qty.** 0

Details MINOR SECTION LOSS ALONG SEVERAL GIRDERS ENDS ON WEBS AND SOME BOTTOM FLANGES
MINOR RUST ALONG ALL BEARINGS AND GIRDERS
AREAS OF COMPELTE SECTION LOSS ON A FEW STIFFENERS
MODERATE SECTION LOSS ON SOME GIRDER WEBS
GIRDER 7 SPAN 3 HAS UP TO 6.5" DEEP LOSS OF BEARING (20% REMIANING) DUE TO LARGE SPALL ON CAP UNDER GIRDER, BEARING BOLTS ARE BENT AND SHEARED ALSO
NCDOT WAS NOTIFIED WHILE WE WERE ON SITE AND THEY SENT BRIDGE MAINTENANCE SUPERVISOR TO INSPECT AND STATED HE WOULD SHORE IT UP
AREAS OF IMPACT DAMAGE TO SEVERAL GIRDERS IN SPAN 2, SPECIFICALLY GIRDER 1, 4, AND 7

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

Details SEVERAL SPALLS WITH EXPOSED REBAR WITH SECTION LOSS ON CAPS AND COLUMNS
BENT 2 CAP HAS A LARGE SPALL WITH EXPOSED REBAR AND UP TO 6.5" DEEP LOSS OF BEARING UNDER GIRDER 7 SPAN 3
CRACKING THROUGHOUT ALL CAPS AND BACKWALLS

Item Utilities **Grade** F **Maint Code** **Qty.** 0

Details LEAKING SECTION OF BAY 8 UTILITY IN SPAN 2 OVER SOUTH BOUND LANES

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

Details POTHOLING AND CRACKING IN WEARING SURFACES
RAISED ANCHOR NUTS ON SPAN 2 LEFT RAIL POST AT 2ND TO LAST POST AND RIGHT RAIL IS MISSING A NUT ON LAST POST
MAP CRACKING THROUGHOUT SIDEWALKS
8' X 3' X 12" DEEP SINK HOLE UNDER BENT 2 BETWEEN COLUMNS 2 AND 3 AGAINST GUARDRAIL, STANDING WATER CONTINUES TO DRAIN INTO HOLE

Span 2 Right Bridge Rail: PAR: MISSING BOLT NUT ON LAST POST IN SPAN

Bent 1 Pile 3: PAR: 9' X 8" X 8" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHEAST CORNER

Span 2 Beam 1: PAR: 3/8" REMAINING (1/4" SECTION LOSS) ON FULL HEIGHT OF WEB UNDER DIAPHRAGM FOR 8" LONG AT BENT 1

Span 2 Beam 1 - Beam 1 Near Bearing: PAR: MISSING RIGHT ANCHOR BOLT NUT

Span 1 Beam 9: PAR: 2 1/2" X 3 1/2" HOLE IN LEFT STIFFENER AT DIAPHRAGM AT BENT 1

Span 2 Deck: PAR: 3' DIAMETER X 2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 1 AT 2ND UTILITY HANGER

Span 2 Deck: PAR: 18" X 12" X 2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 1 OVER FIRST DIAPHRAGM

Span 2 Deck: PAR: 30" X 20" X 2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 1 AT 5TH UTILITY HANGER

Span 2 Beam 4: PAR: at 22ft-11in from bent 1 bearing, impact damage - bottom flange bent upward 2-1/2in with lower web buckled [up to 1-1/2in] and gouge in cover plate [1/8in deep]

Span 2 Beam 7: PAR: at 21ft-7in from Bent 1 bearing, impact damage - bottom flange bent upward 2-1/8in, web bent 1-1/4in with gouge in bottom flange [1/8in deep], diaphragm 12in east of impact bent at bottom bolts

Span 2 Beam 9: PAR: 3/4" X 3/4" HOLE IN LEFT STIFFENER AT DIAPHRAGM AT BENT 2

Span 2 Beam 9: PAR: 3/8" REMAINING (1/4" SECTION LOSS) ON TOP 2 1/2" OF WEB FOR 8" LONG UNDER DIAPHRAGM AT BENT 2

Span 3 Beam 9: PAR: 3/16" REMAINING (3/16" SECTION LOSS) IN LEFT STIFFENER FOR FULL HEIGHT AT BENT 2

Span 2 Deck: PAR: 5' X 8" X 5" SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 8 DIAPHRAGM OVER BENT 2

Bent 2 Pile 3: PAR: 4' X 8" X 6" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHWEST CORNER

Bent 2 Pile 3: PAR: 30" X 11" X 2 1/2" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON WEST FACE

Bent 2 Pile 3: PAR: 3' X 6" X 6" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHEAST CORNER

Bent 2 Pile 3: PAR: 3' X 15" X 12" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON NORTHEAST CORNER

Bent 2 Cap 1: PAR: 51" X 18" X 11" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS UNDER GIRDER 7 SPAN 3 WITH UP TO 6.5" DEEP LOSS OF BEARING

Span 3 Beam 7 - Beam 7 Near Bearing: PAR: SHEARED AND BENT BOLTS FROM BEARING TO CAP DUE TO LARGE SPALL ON CAP UNDER GIRDER

Bent 2 Pile 2: PAR: 3' X 10" X 11" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHEAST CORNER AT TOP

Bent 2 Pile 2: PAR: 16" X 15" X 4" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON NORTHEAST CORNER AT TOP

Span 2 Beam 1: PAR: 3/8" REMAINING (1/4" SECTION LOSS) ON TOP 3" OF WEB FOR 8" LONG UNDER DIAPHRAGM AT BENT 2

Span 3 Beam 1: PAR: 7/16" REMAINING (3/16" SECTION LOSS) ON TOP 2" OF WEB FOR 8" LONG UNDER DIAPHRAGM AT BENT 2

Span 3 Deck: PAR: 30" X 24" X 3" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 8 AT 8' FROM END BENT 2

Span 3 Deck: PAR: 30" X 15" X 2 1/2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 7 AT 2' FROM END BENT 2

Span 1 Wearing Surface: 8 sq. ft. of sound patches thru out the top of the wearing surface

Span 1 Wearing Surface: 1" TRANSVERSE CRACK OVER END BENT 1

Span 1 Left Bridge Rail: 1/32'' wide vertical cracks thru out the length of the rail

Span 2 Wearing Surface: PATCHED AREA OVER BENT 1

MISSING JOINT MATERIAL IN SIDEWALKS OVER INTERIOR BENTS WITH 3" GAP

Span 3 Wearing Surface: PATCHED AREA OVER BENT 2

Span 2 Left Bridge Rail: RAISED ANCHOR NUTS ON 2ND TO LAST RAIL POST

Span 3 Wearing Surface: 1" TRANSVERSE CRACK OVER END BENT 2

Span 3 Wearing Surface: 8' X 16" X 1 1/2" DEEP POTHOLE IN RIGHT EAST BOUND LANE AT END BENT 2

Span 3 Wearing Surface: 1/8" wide map cracking thru out the top of the wearing surface

1/32" MAP CRACKING ALONG SIDEWALKS

Span 2 Wearing Surface: MINOR POTHOLING IN TRAVEL LANES

End Bent 1 Abutment: 1/32" MAP CRACKING THROUGHOUT BACKWALL

End Bent 1 Cap 1: 1/16" HORIZONTAL CRACKING THROUGHOUT

Span 1 Deck: 30" X 24" DELAMINATION IN BAY 8 NEAR END BENT 1

Bent 1 Cap 1: 1/32" MAP CRACKING THROUGHOUT UNDERSIDE

Bent 1 Cap 1: 4' X 6" X 5" SPALL WITH EXPOSED REBAR ON TOP OF CAP IN BAY 1 ON SPAN 2 SIDE

Bent 1 Pile 2: 1/16" wide cracking and unsound patches on all sides, full height

Span 1 Beam 8 Far Bearing: RAISED LEFT ANCHOR BOLT NUT BUT CANNOT BE MOVED BY HAND

Span 2 Beam 1: at 22ft-9in from Bent 2, impact damage - lower web pushed out 1in x 8in high with divot on bottom flange [3/16in deep] and bottom flange bent upwards [1/4in]

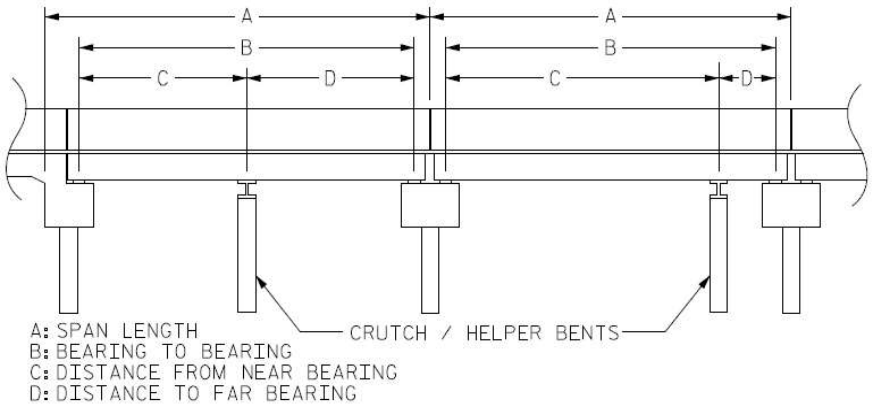
8' X 3' X 12" DEEP SINK HOLE UNDER BENT 2 BETWEEN COLUMNS 2 AND 3 AGAINST GUARDRAIL

LEAKING UTILITY SECTION IN BAY 8 SPAN 2 OVER SOUTH BOUND LANES

Structure Data Worksheet

Span Profile

County: **ROCKINGHAM** Structure Number: **780108**



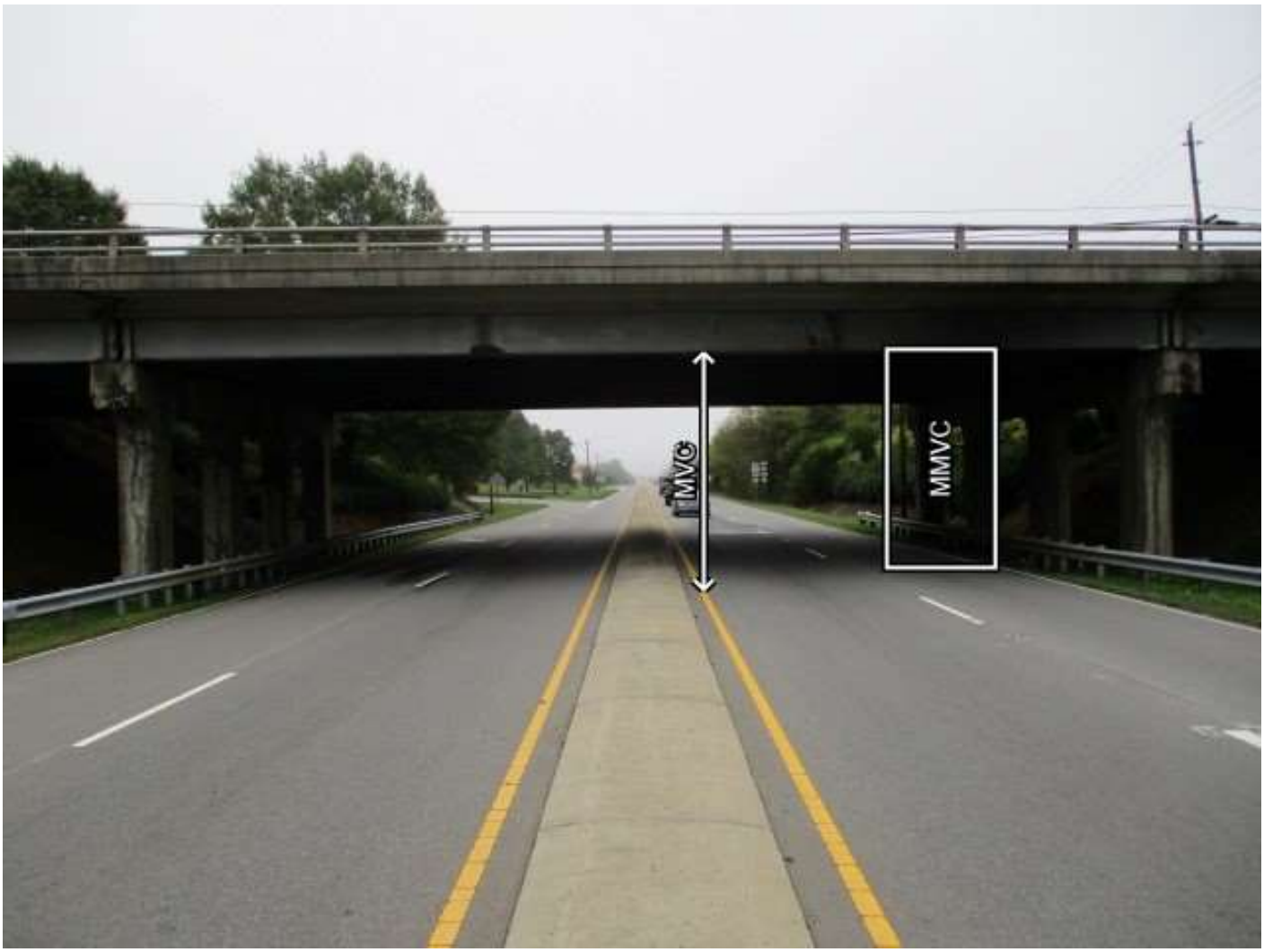
Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	44.000	42.500			
2	71.000	69.830			
3	44.000	42.500			

Structure Number: 780108 Span: 2 Route Name: NC14N,NC87N

SPAN 2 NORTH BOUND LANE

Route Number: 31000140	**Route Name:** NC14N,NC87N			**Reference Feature:** H
Minimum Vertical Clearance 14.330 feet	**Maximum Minimum Vertical Clearance** 14.750 feet			
Total Horizontal Clearance 61.500 feet	**Lateral Clearances: Left:** 33.000 feet **Right** 4.000 feet			
☑ **Base Highway Network**	**LRS Inventory Route, Sub Route Number** 30014			
Milepost: 0.000	**Number of Lanes:** 2	**ADT:** 14000	**Year of ADT:** 2017	**Percentage of Trucks:** 12
☑ **National Highway System**		☐ **STRAHNET Highway Designator**		
Functional Classification 14 Local Other Principal Arterial		**Direction of Traffic:** 1 1 - way traffic		

Structure Number: 780108 Span: 2 Route Name: US311S,NC14S,NC87S,NC770W



SPAN 2 SOUTH BOUND LANE

Route Number: 21003110	**Route Name:** US311S,NC14S,NC87S,NC770W			**Reference Feature:** H
Minimum Vertical Clearance 14.420 feet	**Maximum Minimum Vertical Clearance** 14.750 feet			
Total Horizontal Clearance 61.500 feet	**Lateral Clearances: Left:** 34.500 feet **Right** 4.250 feet			
☑ **Base Highway Network**	**LRS Inventory Route, Sub Route Number** 30014			
Milepost: 0.000	**Number of Lanes:** 2	**ADT:** 14000	**Year of ADT:** 2017	**Percentage of Trucks:** 12
☑ **National Highway System**		☐ **STRAHNET Highway Designator**		
Functional Classification 14 Local Other Principal Arterial		**Direction of Traffic:** 1 1 - way traffic		

LOW CLEARANCE SIGN ON SOUTH ON RAMP AT 300' FROM BRIDGE

LOOKING CLEARANCE SIGN ON SOUTH SIDE AT 120' FROM BRIDGE

LOW CLEARANCE SIGN ON NORTH SIDE AT 900' FROM BRIDGE

LOW CLEARANCE SIGN ON NORTH ON RAMP AT 300' FROM BRIDGE

LOW CLEARANCE SIGN ON NORTH SIDE AT 100' FROM BRIDGE

LOW CLEARANCE SIGN ON SOUTH SIDE AT 1200' FROM BRIDGE

WEST APPROACH

BRIDGE PLAQUE

TYPICAL RAIL

LOOKING NORTH

LOOKING SOUTH

LOOKING WEST FROM BRIDGE

LOOKING EAST FROM BRIDGE

EAST APPROACH

NORTH ELEVATION

NORTH ELEVATION OF SPAN 2

SOUTH ELEVATION

SOUTH ELEVATION OF SPAN 2

UTILITY IN BAY 1

END BENT 1

UTILITY IN BAY 8

END BENT BEARING

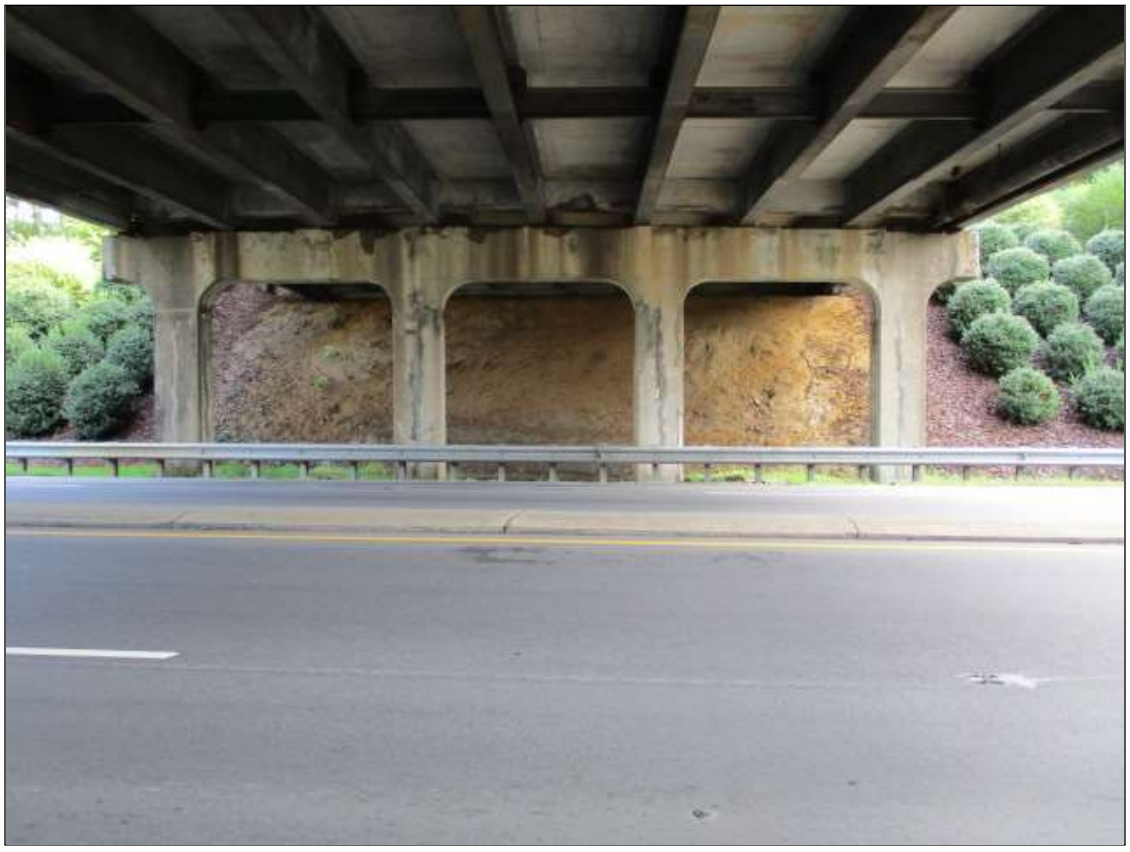
TYPICAL OVERHANG

BENT 1

TYPICAL UNDERSIDE

TYPICAL UNDERDECK

TYPICAL INTERMEDIATE DIAPHRAGM



BENT 2

END BENT 2

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM Date:

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	1	Span 1 Beam 9: PAR: 2 1/2" X 3 1/2" HOLE IN LEFT STIFFENER AT DIAPHRAGM AT BENT 1	
3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 1: PAR: 3/8" REMAINING (1/4" SECTION LOSS) ON FULL HEIGHT OF WEB UNDER DIAPHRAGM FOR 8" LONG AT BENT 1	
3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 1: PAR: 3/8" REMAINING (1/4" SECTION LOSS) ON TOP 3" OF WEB FOR 8" LONG UNDER DIAPHRAGM AT BENT 2	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 4: PAR: at 22ft-11in from bent 1 bearing, impact damage - bottom flange bent upward 2-1/2in with lower web buckled [up to 1-1/2in] and gouge in cover plate [1/8in deep]	
3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 7: PAR: at 21ft-7in from Bent 1 bearing, impact damage - bottom flange bent upward 2-1/8in, web bent 1-1/4in with gouge in bottom flange [1/8in deep], diaphragm 12in east of impact bent at bottom bolts	
3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 9: PAR: 3/4" X 3/4" HOLE IN LEFT STIFFENER AT DIAPHRAGM AT BENT 2	
3314	Maintain Steel Superstructure Components	LF	1	Span 2 Beam 9: PAR: 3/8" REMAINING (1/4" SECTION LOSS) ON TOP 2 1/2" OF WEB FOR 8" LONG UNDER DIAPHRAGM AT BENT 2 WITH 3/4" REMIANING (3/16" SECTION LOSS) ON BOTTOM FLANGES FOR 1' AT BENT 2	
3314	Maintain Steel Superstructure Components	LF	1	Span 3 Beam 1: PAR: 7/16" REMAINING (3/16" SECTION LOSS) ON TOP 2" OF WEB FOR 8" LONG UNDER DIAPHRAGM AT BENT 2	
3314	Maintain Steel Superstructure Components	LF	1	Span 3 Beam 9: PAR: 3/16" REMAINING (3/16" SECTION LOSS) IN LEFT STIFFENER FOR FULL HEIGHT AT BENT 2	
3318	Maint to Concrete Handrail	LF	1	Span 2 Right Bridge Rail: PAR: MISSING BOLT NUT ON LAST POST IN SPAN	
3326	Maintain Concrete Deck	SF	9	Span 2 Deck: PAR: 3' DIAMETER X 2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 1 AT 2ND UTILITY HANGER	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM 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	2	Span 2 Deck: PAR: 18" X 12" X 2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 1 OVER FIRST DIAPHRAGM	
3326	Maintain Concrete Deck	SF	6	Span 2 Deck: PAR: 30" X 20" X 2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 1 AT 5TH UTILITY HANGER	
3326	Maintain Concrete Deck	SF	5	Span 2 Deck: PAR: 5' X 8" X 5" SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 8 DIAPHRAGM OVER BENT 2	
3326	Maintain Concrete Deck	SF	6	Span 3 Deck: PAR: 30" X 24" X 3" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 8 AT 8' FROM END BENT 2	
3326	Maintain Concrete Deck	SF	6	Span 3 Deck: PAR: 30" X 15" X 2 1/2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 7 AT 2' FROM END BENT 2	
3334	Bridge Bearings	EA	1	Span 2 Beam 1 - Beam 1 Near Bearing: PAR: MISSING RIGHT ANCHOR BOLT NUT	
3348	Maintain Concrete Substructure Components	LF	9	Bent 1 Pile 3: PAR: 9' X 8" X 8" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHEAST CORNER	
3348	Maintain Concrete Substructure Components	LF	3	Bent 2 Pile 2: PAR: 3' X 10" X 11" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHEAST CORNER AT TOP	
3348	Maintain Concrete Substructure Components	LF	2	Bent 2 Pile 2: PAR: 16" X 15" X 4" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON NORTHEAST CORNER AT TOP	
3348	Maintain Concrete Substructure Components	LF	4	Bent 2 Pile 3: PAR: 4' X 8" X 6" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHWEST CORNER	
3348	Maintain Concrete Substructure Components	LF	3	Bent 2 Pile 3: PAR: 30" X 11" X 2 1/2" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON WEST FACE	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3348	Maintain Concrete Substructure Components	LF	3	Bent 2 Pile 3: PAR: 3' X 6" X 6" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHEAST CORNER	
3348	Maintain Concrete Substructure Components	LF	3	Bent 2 Pile 3: PAR: 3' X 15" X 12" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON NORTHEAST CORNER	
3334	Bridge Bearings	EA	1	Span 3 Beam 7 - Beam 7 Near Bearing: PAR: SHEARED AND BENT BOLTS FROM BEARING TO CAP DUE TO LARGE SPALL ON CAP UNDER GIRDER	
3348	Maintain Concrete Substructure Components	LF	5	Bent 2 Cap 1: PAR: 51" X 18" X 11" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS UNDER GIRDER 7 SPAN 3 WITH UP TO 6.5" DEEP LOSS OF BEARING	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM

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

MMS Code	MMS Description	Quantity
3334	Bridge Bearings	1 EA

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Span 3 Beam 7 - Beam 7 Near Bearing: PAR: SHEARED AND BENT BOLTS FROM BEARING TO CAP DUE TO LARGE SPALL ON CAP UNDER GIRDER

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	5 LF

Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Bent 2 Cap 1: PAR: 51" X 18" X 11" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS UNDER GIRDER 7 SPAN 3 WITH UP TO 6.5" DEEP LOSS OF BEARING

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM

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	
Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Span 1 Beam 9: PAR: 2 1/2" X 3 1/2" HOLE IN LEFT STIFFENER AT DIAPHRAGM AT BENT 1

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	
Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Span 2 Beam 1: PAR: 3/8" REMAINING (1/4" SECTION LOSS) ON FULL HEIGHT OF WEB UNDER DIAPHRAGM FOR 8" LONG AT BENT 1

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM

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

Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details
Span 2 Beam 1: PAR: 3/8" REMAINING (1/4" SECTION LOSS) ON TOP 3" OF WEB FOR 8" LONG UNDER DIAPHRAGM AT BENT 2

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

Location:	
Bent/Span No.	

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details
Span 2 Beam 4: PAR: at 22ft-11in from bent 1 bearing, impact damage - bottom flange bent upward 2-1/2in with lower web buckled [up to 1-1/2in] and gouge in cover plate [1/8in deep]

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM

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	
Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Span 2 Beam 7: PAR: at 21ft-7in from Bent 1 bearing, impact damage - bottom flange bent upward 2-1/8in, web bent 1-1/4in with gouge in bottom flange [1/8in deep], diaphragm 12in east of impact bent at bottom bolts

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	
Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Span 2 Beam 9: PAR: 3/4" X 3/4" HOLE IN LEFT STIFFENER AT DIAPHRAGM AT BENT 2

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM

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

Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Span 2 Beam 9: PAR: 3/8" REMAINING (1/4" SECTION LOSS) ON TOP 2 1/2" OF WEB FOR 8" LONG UNDER DIAPHRAGM AT BENT 2 WITH 3/4" REMIANING (3/16" SECTION LOSS) ON BOTTOM FLANGES FOR 1' AT BENT 2

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

Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Span 3 Beam 1: PAR: 7/16" REMAINING (3/16" SECTION LOSS) ON TOP 2" OF WEB FOR 8" LONG UNDER DIAPHRAGM AT BENT 2

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM

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	
Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Span 3 Beam 9: PAR: 3/16" REMAINING (3/16" SECTION LOSS) IN LEFT STIFFENER FOR FULL HEIGHT AT BENT 2

MMS Code	MMS Description	Quantity
3318	Maint to Concrete Handrail	1 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Span 2 Right Bridge Rail: PAR: MISSING BOLT NUT ON LAST POST IN SPAN

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM

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

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	9 SF

Location:	
Bent/Span No.	

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Span 2 Deck: PAR: 3' DIAMETER X 2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 1 AT 2ND UTILITY HANGER

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	2 SF

Location:	
Bent/Span No.	

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Span 2 Deck: PAR: 18" X 12" X 2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 1 OVER FIRST DIAPHRAGM

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM

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:
10/13/2020	J. B. WHITE	

Details

Span 2 Deck: PAR: 30" X 20" X 2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 1 AT 5TH UTILITY HANGER

MMS Code	MMS Description	Quantity
3326	Maintain Concrete Deck	5 SF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Span 2 Deck: PAR: 5' X 8" X 5" SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 8 DIAPHRAGM OVER BENT 2

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM

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:
10/13/2020	J. B. WHITE	

Details

Span 3 Deck: PAR: 30" X 24" X 3" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 8 AT 8' FROM END BENT 2

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:
10/13/2020	J. B. WHITE	

Details

Span 3 Deck: PAR: 30" X 15" X 2 1/2" DEEP SPALL WITH EXPOSED REBAR WITH SECTION LOSS IN BAY 7 AT 2' FROM END BENT 2

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM

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

MMS Code	MMS Description	Quantity
3334	Bridge Bearings	1 EA

Location:	
Bent/Span No.	
Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Span 2 Beam 1 - Beam 1 Near Bearing: PAR: MISSING RIGHT ANCHOR BOLT NUT

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	9 LF

Location:	
Bent/Span No.	
Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Bent 1 Pile 3: PAR: 9' X 8" X 8" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHEAST CORNER

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	3 LF

Location:	
Bent/Span No.	
Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Bent 2 Pile 2: PAR: 3' X 10" X 11" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHEAST CORNER AT TOP

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	2 LF

Location:	
Bent/Span No.	
Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Bent 2 Pile 2: PAR: 16" X 15" X 4" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON NORTHEAST CORNER AT TOP

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	4 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Bent 2 Pile 3: PAR: 4' X 8" X 6" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHWEST CORNER

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	3 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Bent 2 Pile 3: PAR: 30" X 11" X 2 1/2" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON WEST FACE

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 780108 County ROCKINGHAM

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	3 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Bent 2 Pile 3: PAR: 3' X 6" X 6" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON SOUTHEAST CORNER

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	3 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
10/13/2020	J. B. WHITE	

Details

Bent 2 Pile 3: PAR: 3' X 15" X 12" SPALL WITH EXPOSED REBAR WITH SECTION LOSS ON NORTHEAST CORNER

Bridge Inspection Field Sketch

US 311 & NC 700

LOOKING EAST

Roadway	52.2ft Wide	4 Paved Lanes	Looking East
Left Shoulder	6.5ft Wide*	4.5ft Paved*	2ft Unpaved
Right Shoulder	6.5ft Wide*	4.5ft Paved*	2ft Unpaved
Left Guardrail			
Right Guardrail			

Measurements Taken 75ft West of Structure

MEASUREMENTS VERIFIED 10-13-20 JBW
VERIFIED 10 25-18 RGK

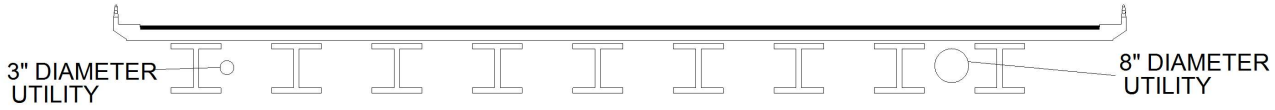
*Measurement Revised: T. Graham 10/24/16

Title	**Description**
Approach Roadway Sketch	Data Worksheet

Bridge No:	**Drawn By:**	**Date:**	**File Name:**
780108	JWT	10/10/2012	S0242001010

Bridge Inspection Field Sketch

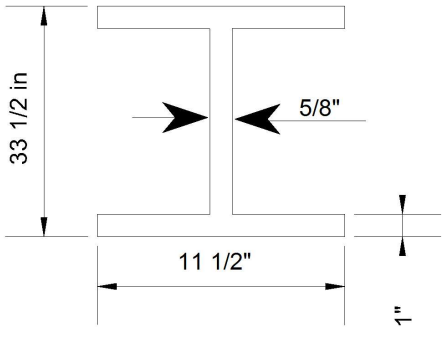
Deck Width/Out to Out	64.4ft	Between Rails				62.24 ft*
Clear Roadway	52.0ft	Wearing Surface				.2038ft
Median Width		Median Height				
Curb Height		Left	0.75ft	Right	0.75ft	
Sidewalk Width		Left	5ft	Right	5ft	
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left	1.083ft	Right	1.083ft	
Top of Rail to Deck/Wearing Surface		Left	3.917ft	Right	3.917ft	
Bridge Rail		Left	Type 13	Right	Type 13	



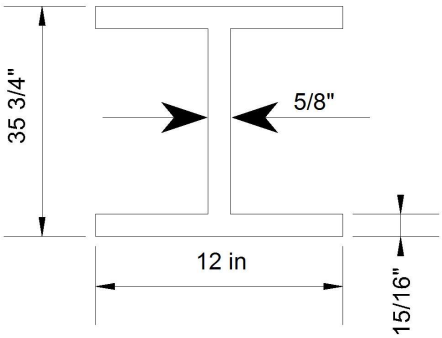
Measurements for Span #	3		
Deck Thickness	0.583 ft	Left Overhang	5.28 ft
Top of Rail to Bottom of Beam	7.63 ft	Right Overhang	5.19 ft

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	6.75ft	
2	Steel I Beam	6.75ft	
3	Steel I Beam	6.75ft	
4	Steel I Beam	6.75ft	
5	Steel I Beam	6.75ft	
6	Steel I Beam	6.75ft	
7	Steel I Beam	6.75ft	
8	Steel I Beam	6.75ft	
9	Steel I Beam		

TOP FLANGES ARE FLUSH WITH CONCRETE DECK.



Spans 1 & 3 Beams 2 - 8



Spans 1 & 3 Beams 1 & 9
Span 2 All Beams

REVISED 10/25/18 MSW
T. Graham 10/24/16

BEAM SIZES REVISED 10-13-20 JBW

10 1/2" X 13/16" COVERPLATES ON SPAN 2 G'S

Title	**Description**
Typical Section Sketch	Data Worksheet

Bridge No: 780108	**Drawn By:** JWT	**Date:** 10/10/2012	**File Name:** S0242001011

Bridge Inspection Field Sketch

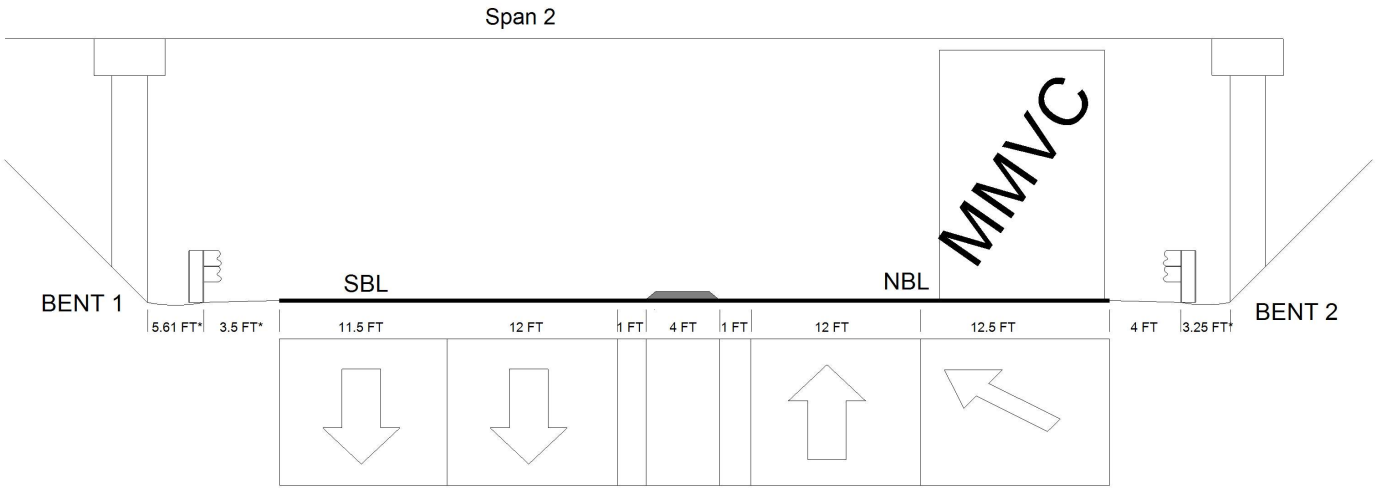
INTENTIONALLY LEFT BLANK

Title	Description
INTENTIONALLY LEFT BLANK	DATA WORKSHEET

Bridge No:	Drawn By:	Date:	File Name:

Bridge Inspection Field Sketch

LOOKING NORTH



Roadway 1		Direction of Traffic	North
Distance to Left Rail	33FT	Distance to Right Rail	4.0FT
Distance to Left Toe of Slope		Distance to Left Bent	38.61FT
MMVC	14.75 ft at Beam 1, 10 FT from RIGHT EDGE OF PAVEMENT		
MVC	14.33 Ft at Beam 1, 0 FT from LEFT EDGE OF PAVEMENT		

MEASUREMENTS REVISED 10-13-20 JBW

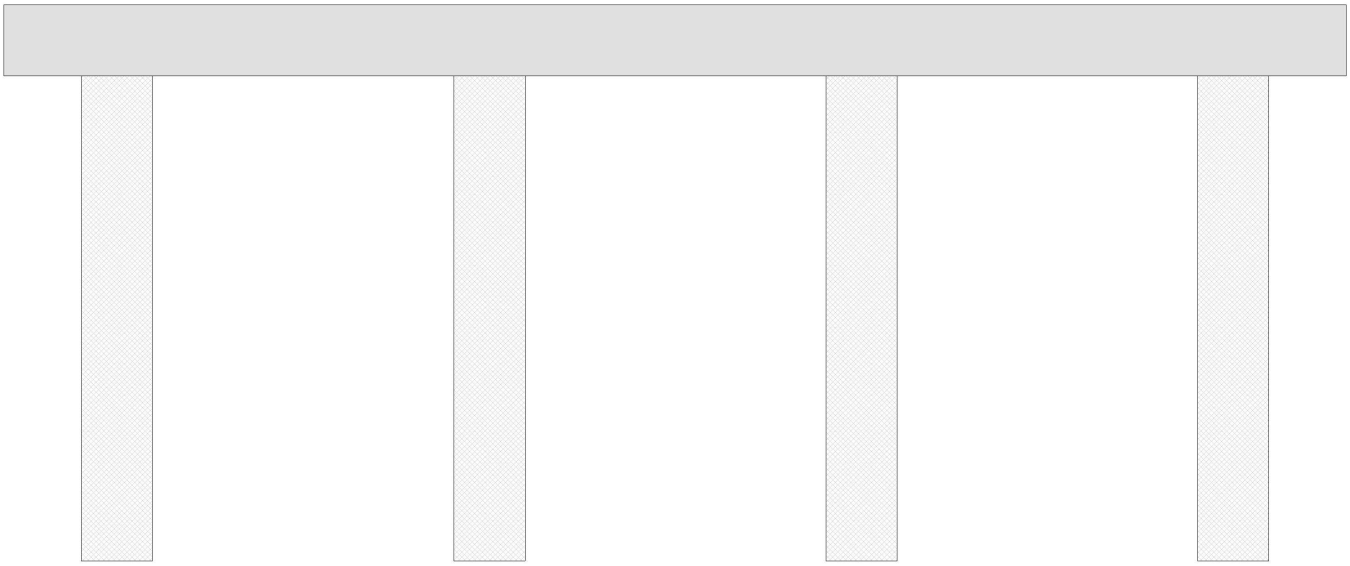
REVISED 10-25-18 RGK

*Measurement Revised: T. Graham 10/24/16

Title	**Description**
Clearence Sketch	Data Worksheet

Bridge No:	**Drawn By:**	**Date:**	**File Name:**
780108	JDH	10/18/2012	S0242001013

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.
56.470 ft.	2.500 ft.	3.000 ft.	4.750 ft.	4.750 ft.	1.375 ft.	1.375 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	15.68 ft.	3 ft.			Vertical	No	No	No	No
2	Concrete	15.65 ft.	3 ft.			Vertical	No	No	No	No
3	Concrete	15.64 ft.	3 ft.			Vertical	No	No	No	No
4	Concrete		3 ft.			Vertical	No	No	No	No

MEASUREMENTS VERIFIED 10-13-20 JBW

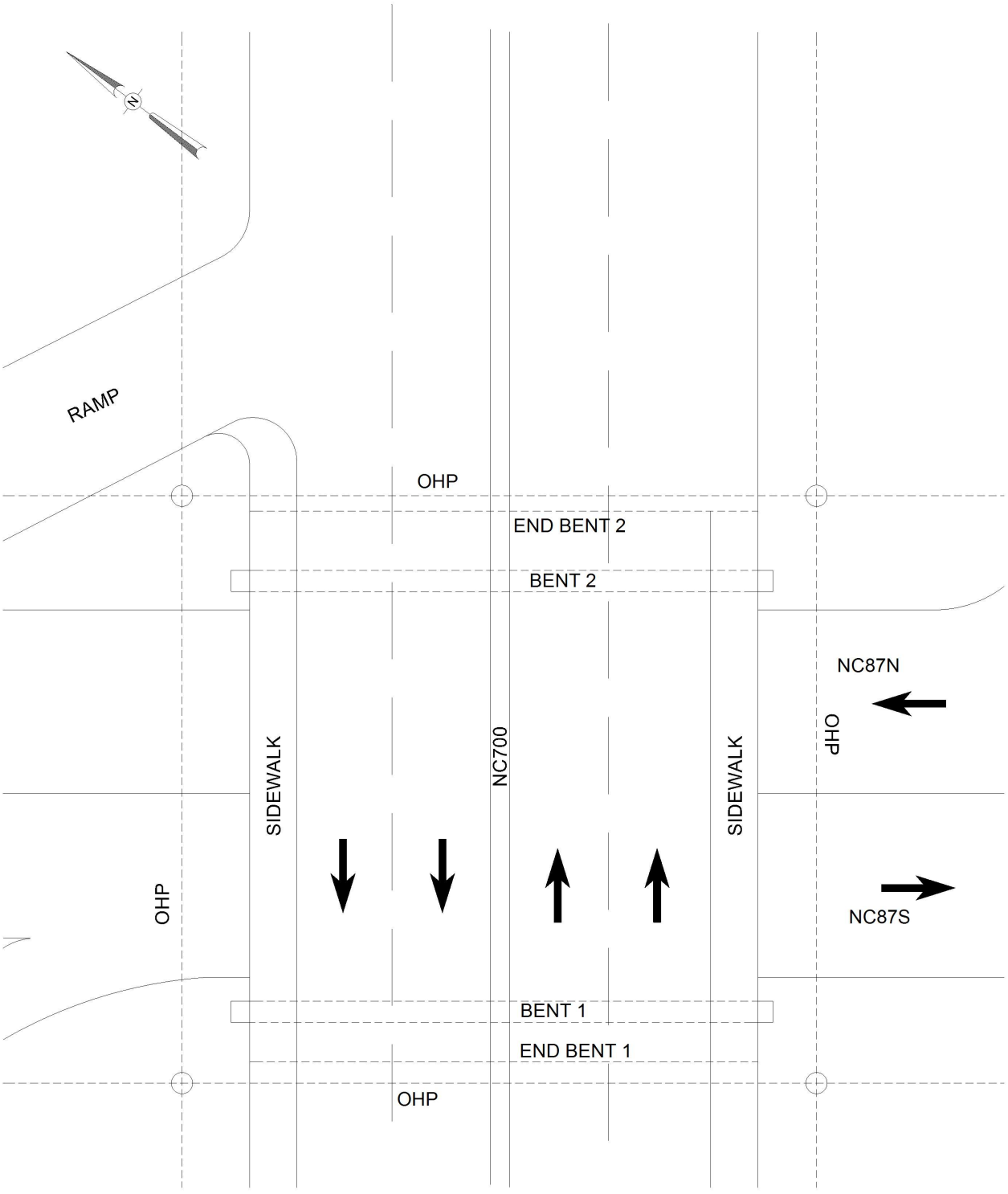
VERIFIED 10-25-18 RGK

*Measurement Revised: T. Graham 10/24/16
Bent/Abutment #: 1 Similar Bents: 2

Title	**Description**
Bent Sketch	Data Worksheet

Bridge No: 780108	**Drawn By:** JWT	**Date:** 10/12/2012	**File Name:** S0350000305

Bridge Inspection Field Sketch



Verified: T. Graham 10/24/16

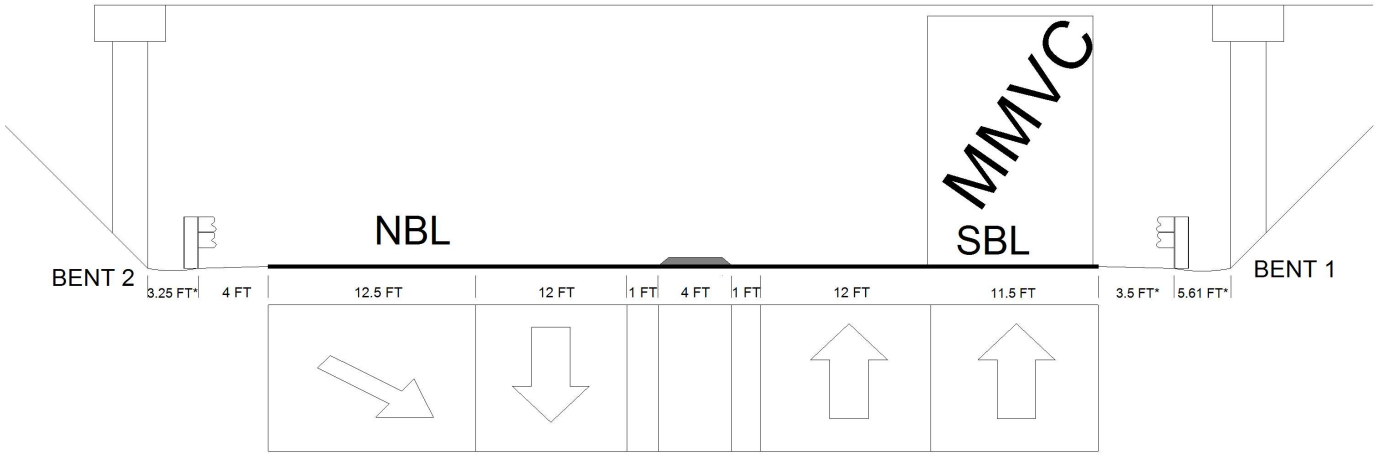
Title	**Description**
Location Sketch	Data Worksheet

Bridge No: 780108	**Drawn By:** JWT	**Date:** 10/15/2012	**File Name:** S0350000307

Bridge Inspection Field Sketch

LOOKING SOUTH

SPAN 2



Roadway 1		Direction of Traffic	South
Distance to Left Rail	34.5FT	Distance to Right Rail	3.5FT
Distance to Right Toe of Slope		Distance to Left Bent	37.75FT
MMVC	14.75 ft at Beam 1, 10 FT from RIGHT EDGE OF PAVEMENT		
MVC	14.42 Ft at Beam 1, 0 FT from LEFT EDGE OF PAVEMENT		

MEASUREMENTS REVISED 10-13-20 JBW

REVISED 10-25-18 RGK

Title	**Description**
Vertical Clearence Sketch	Data Worksheet

Bridge No: 780108	**Drawn By:** VWW	**Date:** 12/5/2014	**File Name:** S0214000795