



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 STRUCTURE MANAGEMENT UNIT

ATTENTION: **PRIORITY ACTION REQUEST ISSUED; CHANGE TO LATERAL UNDERCLEARANCES**

Structure Safety Report

Routine Element Inspection - Contract

STRUCTURE NUMBER: 170176 SAP STRUCTURE NO: 0180176 FHWA STRUCTURE NO: 00000000350176

DIVISION: 12 COUNTY: CATAWBA INSPECTION DATE: 04/04/2023 FREQUENCY: 24 MONTHS

FACILITY CARRIED: SR1716 MILE POST: _____

LOCATION: 0.6 MI. N. JCT. US70

FEATURE INTERSECTED: I40

LATITUDE: 35° 43' 29.73" LONGITUDE: 81° 8' 38.37"

SUPERSTRUCTURE: REINFORCED CONCRETE DECK GIRDERS

SUBSTRUCTURE: E.BENTS:RC CAPS & PPC PILES, INT.BENTS:RCP&B ON PILE FTGS

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

FRACTURE CRITICAL TEMPORARY SHORING SCOUR CRITICAL SCOUR PLAN OF ACTION

GRADES: (Inspector/NBI Coding) DECK 5/5 SUPERSTRUCTURE 6/6 SUBSTRUCTURE 6/6 CULVERT N/N

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: 4 DELINEATORS



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

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS _____

LOOKING NORTH

INSPECTED BY Jim Stocks	SIGNATURE <i>JA Stocks</i>	ASSISTED BY Rick Wertman
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NATIONAL BRIDGE INVENTROY ----- STRUCTURE INVENTORY AND APPRAISAL

06/19/2023

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE 170176
 (8) STRUCTURE NUMBER (FEDERAL) 0350176
 (5) INVENTORY ROUTE (ON/UNDER) ON 31017160
 (2) STATE HIGHWAY DEPARTMENT DISTRICT 12
 (3) COUNTY CODE (FEDERAL) 35 (4) PLACE CODE 12720
 (6) FEATURE INTERSECTED 140
 (7) FACILITY CARRIED SR1716
 (9) LOCATION 0.6 MI. N. JCT. US70
 (11) MILEPOINT 0.0
 (12) BASE HIGHWAY NETWORK 0
 (13) LRS INVENTORY ROUTE & SUBROUTE 0
 (16) LATITUDE 35° 43' 29.73" (17) LONGITUDE 81° 8' 38.37"
 (98) BORDER BRIDGE STATE CODE PERCENT SHARED
 (99) BORDER BRIDGE STRUCTURE NUMBER

SUFFICIENCY RATING 78.53
 STATUS = Functionally Obsolete

CLASSIFICATION **CODE**

(112) NBIS BRIDGE SYSTEM Y
 (104) HIGHWAY SYSTEM Inventory Route not on NHS 0
 (26) FUNCTIONAL CLASS Urban Local 19
 (100) STRAHNET HIGHWAY Not a STRAHNET Route 0
 (101) PARALLEL STRUCTURE 0
 (102) DIRECTION OF TRAFFIC 2-way traffic 2
 (103) TEMPORARY STRUCTURE
 (110) DESIGNATED NATIONAL NETWORK - on national network for trucks 0
 (20) TOLL On Free Road 3
 (21) MAINT - 01
 (22) OWNER - 01
 (37) HISTORICAL SIGNIFICANCE - 5

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN Concrete
 TYPE Tee Beam CODE 104
 (44) STRUCTURE TYPE APPROACH
 TYPE CODE 0
 (45) NUMBER OF SPANS IN MAIN UNIT 4
 (46) NUMBER OF SPANS IN APPROACH 0
 (107) DECK STRUCTURE TYPE CODE 1
 (108) WEARING SURFACE/PROTECTIVE SYSTEM
 (A) TYPE OF WEARING SURFACE CODE 1
 (B) TYPE OF MEMBRANE CODE 0
 (C) TYPE OF DECK PROTECTION CODE 0

CONDITION **CODE**

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

LOAD RATING AND POSTING **CODE**

(31) DESIGN LOAD HS 15 3
 (63) OPERATING RATING METHOD - Load Factor 1
 (64) OPERATING RATING - HS-44 79
 (65) INVENTORY RATING METHOD - 1
 (66) INVENTORY RATING HS-26 47
 (70) BRIDGE POSTING No Posting Required 5
 (41) STRUCTURE OPEN, POSTED, OR CLOSED DESCRIPTION Open, no restriction A

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 2 LANES UNDER STRUCTURE 8
 (29) AVERAGE DAILY TRAFFIC 3000
 (30) YEAR OF ADT 2019 (109) TRUCK ADT PCT 7
 (19) BYPASS OR DETOUR LENGTH 5.0

APPRAISAL **CODE**

(67) STRUCTURAL EVALUATION 6
 (68) DECK GEOMETRY N
 (69) UNDERCLEARANCES, VERT & HORIZ 3
 (71) WATERWAY ADEQUACY N
 (72) APPROACH ROADWAY ALIGNMENT 8
 (36) TRAFFIC SAFETY FEATURES N
 (113) SCOUR CRITICAL BRIDGES N

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN 58.0
 (49) STRUCTURE LENGTH 234.0
 (50) CURB OR SIDEWALK: LEFT 3.3 RIGHT 3.3
 (51) BRIDGE ROADWAY WIDTH, CURB TO CURB 28.0
 (52) DECK WIDTH OUT TO OUT 36.0
 (32) APPROACH ROADWAY WITH (W/ SHOULDERS) 23.0
 (33) BRIDGE MEDIAN CODE 5
 (34) SKEW 25 (35) STRUCTURE FLARED 1111
 (10) INVENTORY ROUTE MIN VERT CLEAR 999.9
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 0.0
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 999.9
 (54) MIN VERT UNDERCLEAR: REFERENCE H 15.3
 (55) MIN LAT UNDERCLEARANCE RT: REFERENCE H 8.5
 (56) MIN LAT UNDERCLEARANCE LT: 15.9

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 6,000 YEAR OF FUTURE ADT 2040

NAVIGATION DATA

(38) NAVIGATION CONTROL - CODE 6
 (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

INSPECTION

(90) INSPECTION DATE 04/23 (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

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	Righth 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	I 40 E	11000400	15.6	135.3	1	10040	11	2	25500	2017	9,999.0	H	15.5	9.5	16.3	3		1	<input type="checkbox"/>	<input type="checkbox"/>
2	I 40 E	11000400	15.6	135.3	1	10040	11	2	25500	2017	39.5	H	15.5	9.5	16.3	3		1	<input type="checkbox"/>	<input type="checkbox"/>
3	I 40 W	11000400	15.3	135.3	1	10040	11	2	25500	2017	39.7	H	15.3	9.2	15.9	3		1	<input type="checkbox"/>	<input type="checkbox"/>
3	I 40 W	11000400	15.3	135.3	1	10040	11	2	25500	2017	9,999.0	H	15.3	8.5	15.9	3		1	<input type="checkbox"/>	<input type="checkbox"/>

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 57.000

Skew 65.000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
5	Other Bearing	Other Bearings	5 Each	Unknown	5
1	Standard Joint	Pourable Joint Seal	31 Feet		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	275 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2052 Square Feet		
2	Delineator	Warning Signs	2 Each		
5	Fixed Bearing	Fixed Bearing	5 Each	Unknown	5
2	Concrete Railing	Reinforced Concrete Bridge Railing	114 Feet		

Span Number 2

Span Length 60.000

Skew 65.000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
2	Concrete Railing	Reinforced Concrete Bridge Railing	120 Feet		
5	Fixed Bearing	Fixed Bearing	5 Each	Unknown	5
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	300 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2160 Square Feet		
1	Standard Joint	Pourable Joint Seal	31 Feet		
5	Other Bearing	Other Bearings	5 Each	Unknown	5

Span Number 3

Span Length 60.000

Skew 65.000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
5	Other Bearing	Other Bearings	5 Each	Unknown	5
5	Fixed Bearing	Fixed Bearing	5 Each	Unknown	5
2	Concrete Railing	Reinforced Concrete Bridge Railing	120 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2160 Square Feet		

Superstructure Build Details

5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	300 Feet	
1	Standard Joint	Pourable Joint Seal	31 Feet	

Span Number 4

Span Length 57.000

Skew 65.000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	2052 Square Feet		
5	Other Bearing	Other Bearings	5 Each	Unknown	5
5	Fixed Bearing	Fixed Bearing	5 Each	Unknown	5
2	Concrete Railing	Reinforced Concrete Bridge Railing	114 Feet		
2	Delineator	Warning Signs	2 Each		
5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	275 Feet		
2	Standard Joint	Pourable Joint Seal	62 Feet		

Structure Element Scoring

Structure Number: 170176

Inspection Date 4/4/2023

Element Number	Parent Number	Element Name	Location	Total Quantity	Level 1 Quantity	Level 2 Quantity	Level 3 Quantity	Level 4 Quantity
12		Reinforced Concrete Deck	Deck	8,424	1	7,292	1,131	0
110		Reinforced Concrete Open Girder/Beam	Beam	1,150	1,064	70	16	0
205		Reinforced Concrete Column	Piles and Columns	9	5	2	2	0
215		Reinforced Concrete Abutment	Abutments	100	97	3	0	0
226		Prestressed Concrete Pile	Piles and Columns	16	16	0	0	0
234		Reinforced Concrete Pier Cap	Caps	225	155	18	52	0
301		Pourable Joint Seal	Expansion Joints	155	155	0	0	0
313		Fixed Bearing	Bearing Device	20	0	15	5	0
316		Other Bearings	Bearing Device	20	0	10	10	0
331		Reinforced Concrete Bridge Railing	Bridge Rail	468	307	111	50	0
515	313	Steel Protective Coating	Bearing Device	20	0	0	11	9
515	316	Steel Protective Coating	Bearing Device	20	0	0	9	11
602		Warning Signs	Ground Mounted Signs	4	4	0	0	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **170176**

Inspection Date: **04/04/2023**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	6628 Square Feet
3326	Reinforced Concrete Deck	Delamination/Spall	940 Square Feet
3326	Reinforced Concrete Deck	Patched Areas	3 Square Feet
3306	Reinforced Concrete Open Girder/Beam	Delamination/Spall	20 Feet
3306	Reinforced Concrete Open Girder/Beam	Cracking (RC and Other)	4 Feet
3348	Reinforced Concrete Column	Cracking (RC and Other)	12 Each
3348	Reinforced Concrete Column	Delamination/Spall	4 Each
3348	Reinforced Concrete Pier Cap	Delamination/Spall	34 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	29 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	2 Feet
3334	Fixed Bearing	Corrosion	5 Each
3334	Other Bearings	Corrosion	10 Each
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	50 Feet
3318	Reinforced Concrete Bridge Railing	Exposed Rebar	103 Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	40 Square Feet

Element Structure Maintenance Quantities

Structure Number: **170176**

Inspection Date **04/04/2023**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Beam	3306	Maintenance Concrete Superstructure Components	24	1150	0.000	16.000	70.000	1064.000
Bearing Device	3334	Bridge Bearing	5	20	0.000	5.000	15.000	0.000
Bearing Device	3334	Bridge Bearing	10	20	0.000	10.000	10.000	0.000
Bearing Device	3342	Clean and Paint Steel	20	20	9.000	11.000	0.000	0.000
Bearing Device	3342	Clean and Paint Steel	20	20	11.000	9.000	0.000	0.000
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	153	468	0.000	50.000	111.000	307.000
Deck	3326	Maintenance of Concrete Deck	7571	8424	0.000	1131.000	7292.000	1.000
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	155	0.000	0.000	0.000	155.000
Ground Mounted Signs	3250	Install or Replace Grond Mounted Signs	0	4	0.000	0.000	0.000	4.000
Abutments	3350	Maintenance of Concrete Wings and Wall	0	100	0.000	0.000	3.000	97.000
Caps	3348	Maintenance of Concrete Substructure	65	225	0.000	52.000	18.000	155.000
Piles and Columns	3348	Maintenance of Concrete Substructure	0	16	0.000	0.000	0.000	16.000
Piles and Columns	3348	Maintenance of Concrete Substructure	16	9	0.000	2.000	2.000	5.000

Priority Actions Request

Structure Number 170176

Span2

Priority Level	Defect Type	Quantity	Defect Description
3318	Left Bridge Rail	Concrete Railing	
2	Delamination/Spall	13	Span 2 Left Bridge Rail: PAR: (13) SPALLS AND DELAMINATED AREAS UP TO 2 FEET HIGH X 3 INCHES WIDE X 3 INCHES DEEP WITH EXPOSED REBAR INTERMITTENT THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS, SOME AREAS ON BACK FACE ARE LOOSE AND OVER TRAFFIC
3318	Right Bridge Rail	Concrete Railing	
Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	6	Span 2 Right Bridge Rail: PAR: (6) SPALLS AND DELAMINATED AREAS UP TO 8 INCHES HIGH X 5 INCHES WIDE X 0.5 INCHES DEEP WITH EXPOSED REBAR INTERMITTENT THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS, SOME AREAS ON BACK FACE ARE LOOSE AND OVER TRAFFIC - NCDOT NOTIFIED

Element Condition and Maintenance Data

Structure Number: 170176

Inspection Date: 04/04/2023

Span 1 **Deck**
Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	2,052	0	1,638	414	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 12	Cracking (RC and Other)	MAP CRACKING UP TO 1/16 INCHES WIDE INTERMITTENT THROUGHOUT BRIDGE DECK	3	410	410	Square Feet
<input checked="" type="checkbox"/> 12	Delamination/Spall	SOUND PATCH 2 FEET DIAMETER IN NORTHBOUND LANE, APPROXIMATELY MIDSPAN	3	1	1	Square Feet
<input checked="" type="checkbox"/> 12	Patched Areas	SOUND PATCH 3 FEET WIDE X 3 FEET LONG 5 FEET FROM END BENT 1 IN SOUTHBOUND LANE	3	3	3	Square Feet
<input checked="" type="checkbox"/> 12	Abrasion/Wear (PSC/RC)	MINOR ABRASION INTERMITTENT THROUGHOUT DECK	2	398		Square Feet
<input checked="" type="checkbox"/> 12	Cracking (RC and Other)	HAIRLINE MAP CRACKING INTERMITTENT THROUGHOUT SIDEWALK ON LEFT AND RIGHT SIDE	2	273	342	Square Feet
<input checked="" type="checkbox"/> 12	Cracking (RC and Other)	HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN UNDERSIDE OF DECK IN BAY 1 ADJACENT TRANSITION END BENT 1	2	16	16	Square Feet
<input checked="" type="checkbox"/> 12	Cracking (RC and Other)	MAP CRACKING UP TO 1/32 INCHES WIDE INTERMITTENT THROUGHOUT BRIDGE DECK	2	565	1,211	Square Feet
<input checked="" type="checkbox"/> 12	Delamination/Spall	APPROXIMATELY 100 SQUARE FEET OF SCATTERED AREAS OF DELAMINATION IN NORTHBOUND LANE	2	100	100	Square Feet
<input checked="" type="checkbox"/> 12	Delamination/Spall	APPROXIMATELY 200 SQUARE FEET OF SCATTERED AREAS OF DELAMINATION IN NORTHBOUND LANE	2	200	200	Square Feet
<input checked="" type="checkbox"/> 12	Patched Areas	2 FEET WIDE X 2 FEET LONG SOUND PATCH IN SOUTHBOUND LANE AT MIDSPAN	2	4		Square Feet
<input checked="" type="checkbox"/> 12	Patched Areas	4.5 FEET X 4 FEET SOUND PATCH WITH SEALED SCATTERED CRACKING LOCATED 16 FEET FROM END BENT 1 IN NORTHBOUND TRAVEL LANE	2	18		Square Feet
<input checked="" type="checkbox"/> 12	Patched Areas	SOUND PATCH 30 INCHES WIDE X 30 INCHES LONG 1 FEET FROM END BENT 1 IN SOUTHBOUND LANE	2	4		Square Feet
<input checked="" type="checkbox"/> 12	Patched Areas	SOUND PATCHES UP TO 8 FEET X 2.5 FEET SCATTERED THROUGHOUT BRIDGE DECK	2	60		Square Feet

General Comments

Span 1 **Beam 1**
Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	55	42	13	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 110	Cracking (RC and Other)	(11) VERTICAL CRACKS UP TO 1/32 INCHES WIDE UP TO FULL-HEIGHT OF WEB SCATTERED THROUGHOUT BEAM 1	2	11		Feet
<input checked="" type="checkbox"/> 110	Delamination/Spall	3 INCHES LONG X 3 INCHES HIGH X 1 INCHES DEEP SPALL ON BOTTOM RIGHT CORNER AT FAR END, NO LOSS OF BEARING NOTED	2	1	1	Feet

<input checked="" type="checkbox"/>	110	Delamination/Spall	4 INCHES LONG X 3 INCHES WIDE X 1 1/2 INCHES DEEP SPALL ON BOTTOM RIGHT CORNER AT FAR END, NO LOSS OF BEARING NOTED	2	1	1	Feet
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General Comments**Span 1 Beam 3****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	55	54	1	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/>	110	Delamination/Spall	4 INCHES LONG X 3 INCHES HIGH X 1 INCHES DEEP SPALL ON BOTTOM RIGHT CORNER AT FAR END, NO LOSS OF BEARING NOTED	2	1	1 Feet

General Comments**Span 1 Beam 5****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	55	44	11	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/>	110	Cracking (RC and Other)	3 FEET LONG DIAGONAL CRACKS UP TO 1/32 INCHES WIDE LOCATED 6 FEET FROM END BENT 1	2	3	Feet
<input checked="" type="checkbox"/>	110	Cracking (RC and Other)	VERTICAL CRACKS UP TO 1/32 INCHES WIDE UP TO FULL HEIGHT OF WEB INTERMITTENT THROUGHOUT	2	8	Feet

General Comments**Span 1 Left Bridge Rail****Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	57	48	0	9	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/>	331	Delamination/Spall	(9) SPALLS UP TO 19 INCHES HIGH X 2 INCHES WIDE X 0.5 INCHES DEEP WITH EXPOSED REBAR THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS	3	9	9 Feet

General Comments

Span 1 Right Bridge Rail
Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	57	31	5	21	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 331	Delamination/Spall	(21) SPALLS UP TO 12 INCHES HIGH X 4 INCHES WIDE X 0.5 INCHES DEEP WITH EXPOSED REBAR WITH THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS	3	21	21 Feet
<input checked="" type="checkbox"/> 331	Cracking (RC and Other)	HAIRLINE MAP CRACKING AT TOP OF BARRIER RAIL END POST AT END BENT 1	2	3	Feet
<input checked="" type="checkbox"/> 331	Exposed Rebar	SPALLS UP TO 4 INCHES HIGH X 3 INCHES WIDE X 1 INCHES DEEP WITH EXPOSED REBAR (NO SECTION LOSS) INTERMITTENT THROUGHOUT BASE OF RAIL	2	2	2 Feet

General Comments

Span 1 Near Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 313	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS INTERMITTENT THROUGHOUT	2	1	Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL	3	1	1 Square Feet

General Comments

Span 1 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	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
<input checked="" type="checkbox"/> 316	Corrosion	ACTIVE CORROSION WITH SECTION LOSS UP TO 1/8 INCHES ON FRONT EDGE ON MASONRY PLATE	3	1	1 Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1 Square Feet

General Comments

Span 1 Near Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 313	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS INTERMITTENT THROUGHOUT	2	1	Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL	3	1	1 Square Feet

General Comments

Span 1 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	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
<input checked="" type="checkbox"/> 316	Corrosion	ACTIVE CORROSION WITH UP TO 1/8 INCHES SECTION LOSS ON BEARING WITH 95 PERCENT REMAINING	3	1	1 Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1 Square Feet

General Comments

Span 1 Near Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 313	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS	2	1	Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL	3	1	1 Square Feet

General Comments

Span 1 Far Bearing
Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 316	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS	2	1		Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL	3	1	1	Square Feet

General Comments

Span 1 Near Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 313	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS INTERMITTENT THROUGHOUT	2	1		Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL	3	1	1	Square Feet

General Comments

Span 1 Far Bearing
Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 316	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	2	1		Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL	3	1	1	Square Feet

General Comments

Span 1 Near Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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<input checked="" type="checkbox"/>	313	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS INTERMITTENT THROUGHOUT	2	1	Each
<input checked="" type="checkbox"/>	515	Effectiveness (Steel Protective Coatings)	COATING STARTING TO FAIL	3	1	1 Square Feet

General Comments

Span 1 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	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
<input checked="" type="checkbox"/>	316	Corrosion			
		ACTIVE CORROSION WITH UP TO 0.0625 INCHES SECTION LOSS ON BEARING	3	1	1 Each
<input checked="" type="checkbox"/>	515	Effectiveness (Steel Protective Coatings)			
		PAINT FAILURE ON BEARING	4	1	1 Square Feet

General Comments

Span 2 Deck
Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
12	Reinforced Concrete Deck	2,160	0	1,939	221	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/>	12	Cracking (RC and Other)			
		MAP CRACKING UP TO 1/16 INCHES WIDE INTERMITTENT THROUGHOUT BRIDGE DECK	3	220	220 Square Feet
<input checked="" type="checkbox"/>	12	Delamination/Spall			
		12 INCHES WIDE X 12 INCHES LONG X 1 INCHES DEEP SPALL WITH EXPOSED REBAR WITH ACTIVE CORROSION NO LOSS LOCATED AT UNDERSIDE OF LEFT OVERHANG 15 FEET FROM BENT 2	3	1	1 Square Feet
<input checked="" type="checkbox"/>	12	Abrasion/Wear (PSC/RC)			
		MINOR ABRASION INTERMITTENT THROUGHOUT DECK	2	652	Square Feet
<input checked="" type="checkbox"/>	12	Cracking (RC and Other)			
		HAIRLINE MAP CRACKING INTERMITTENT THROUGHOUT BRIDGE DECK	2	712	800 Square Feet
<input checked="" type="checkbox"/>	12	Cracking (RC and Other)			
		MAP CRACKING UP TO 1/32 INCHES WIDE INTERMITTENT THROUGHOUT SIDEWALK ON LEFT AND RIGHT SIDE	2	320	360 Square Feet
<input checked="" type="checkbox"/>	12	Delamination/Spall			
		APPROXIMATELY 112 SQUARE FEET OF SCATTERED AREAS OF DELAMINATION IN SOUTHBOUND LANE	2	112	112 Square Feet
<input checked="" type="checkbox"/>	12	Delamination/Spall			
		APPROXIMATELY 92 SQUARE FEET OF SCATTERED AREAS OF DELAMINATION IN NORTHBOUND LANE	2	92	92 Square Feet
<input checked="" type="checkbox"/>	12	Patched Areas			
		(3) SOUND PATCHES NEAR CENTERLINE APPROXIMATELY 7 FEET FROM BENT 2	2	24	Square Feet
<input checked="" type="checkbox"/>	12	Patched Areas			
		(4) SOUND PATCHES UP TO 3 FEET WIDE X 2.5 FEET LONG SCATTERED THROUGHOUT BRIDGE DECK	2	22	Square Feet
<input checked="" type="checkbox"/>	12	Patched Areas			
		6 INCHES WIDE X 1 FEET LONG SOUND PATCH ON UNDERSIDE OF DECK IN BAY 2	2	1	Square Feet

<input checked="" type="checkbox"/>	12	Patched Areas	SOUND PATCH 24 INCHES WIDE X 24 INCHES LONG IN SOUTHBOUND LANE 10 FEET FROM END BENT 2 -	2	4	Square Feet
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General Comments**Span 2****Beam 1****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	60	47	5	8	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/>	110	Cracking (RC and Other)	AT BENT 1, UP TO 1/16 INCHES WIDE HORIZONTAL CRACK UP TO 3 FEET LONG IN LEFT FACE AT BOTTOM OF BEAM	3	3	3 Feet
<input checked="" type="checkbox"/>	110	Delamination/Spall	(2) IMPACT SPALLS UP TO 18 INCHES LONG X 9 INCHES (BOTTOM FACE) X 4 INCHES (WEB) X 1 INCHES DEEP AT BOTTOM LEFT CORNER OF BEAM 1 NEAR MIDSPAN	3	4	4 Feet
<input checked="" type="checkbox"/>	110	Delamination/Spall	4 INCHES LONG X 3 INCHES WIDE X 1 1/2 INCHES DEEP SPALL ON BOTTOM RIGHT CORNER AT NEAR END, NO LOSS OF BEARING NOTED	3	1	1 Feet
<input checked="" type="checkbox"/>	110	Cracking (RC and Other)	2 DIAGONAL AND 2 VERTICAL ISOLATED CRACKS UP TO 1/64 INCHES UP TO FULL-HEIGHT OF WEB	2	4	Feet
<input checked="" type="checkbox"/>	110	Delamination/Spall	20 INCHES HIGH X 1 FEET WIDE AREA OF DELAMINATION WITH UP TO 1/16 INCHES WIDE CRACKING ON FAR RIGHT SIDE OF BEAM	2	1	1 Feet

General Comments

2 FOOT LONG X 6 INCH HIGH AREA OF DELAMINATION ON BAY 1 END DIAPHRAGM AT BENT 1

Span 2**Beam 2****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	60	58	0	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/>	110	Delamination/Spall	IMPACT SPALL 15 INCHES LONG X 6 INCHES (BOTTOM FACE) X 6 INCHES (WEB) X 3 INCHES DEEP AT BOTTOM CORNER OF BEAM 2 NEAR MIDSPAN	3	2	2 Feet

General Comments**Span 2****Beam 3****Reinforced Concrete Girder**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	60	58	0	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/>	110	Delamination/Spall	IMPACT SPALL 15 INCHES LONG X 6 INCHES (BOTTOM FACE) X 6 INCHES (WEB) X 2 INCHES DEEP AT BOTTOM CORNER OF BEAM 3 NEAR MIDSPAN	3	2	2 Feet

General Comments

Span 2

Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	60	59	0	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 110	Delamination/Spall	IMPACT SPALL 8 INCHES LONG X 5 INCHES WIDE (BOTTOM FACE) X 3 INCHES HIGH (LEFT FACE) X 1 1/4 INCHES DEEP ON BOTTOM CORNER APPROXIMATELY MID-SPAN	3	1	1 Feet

General Comments

Span 2

Beam 5

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	60	44	13	3	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 110	Cracking (RC and Other)	AT BENT 1, 30 INCHES HIGH VERTICAL CRACK UP TO 1/8 INCHES WIDE EAST FACE	3	1	1 Feet
<input checked="" type="checkbox"/> 110	Delamination/Spall	AT BENT 2 BEARING, 24 INCHES HIGH X 6 INCHES WIDE DELAMINATION ON RIGHT SIDE, 1 FEET HIGH X 4 INCHES LONG ON LEFT SIDE, EXTENDING 3 INCHES ACROSS THE BEARING NO LOSS	3	1	1 Feet
<input checked="" type="checkbox"/> 110	Delamination/Spall	HIGH HIT SPALL NEAR MIDSPAN, 6 INCHES X 4 INCHES X 2 INCHES DEEP AT BOTTOM OF BEAM	3	1	1 Feet
<input checked="" type="checkbox"/> 110	Cracking (RC and Other)	UP TO 3 FEET LONG LONGITUDINAL AND VERTICAL HAIRLINE CRACKS AT FAR END	2	3	Feet
<input checked="" type="checkbox"/> 110	Cracking (RC and Other)	VERTICAL CRACKS UP TO 1/32 INCHES WIDE UP TO FULL-HEIGHT OF WEB SCATTERED THROUGHOUT (12 TOTAL)	2	12	Feet
<input checked="" type="checkbox"/> 110	Delamination/Spall	4 INCHES LONG X 4 INCHES WIDE X 1 INCHES DEEP SPALL ON BOTTOM FACE OF BEAM WITH EXPOSED STEEL NO LOSS AT FAR BEARING	2	1	1 Feet

General Comments

Span 2

Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	60	47	0	13	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 331	Delamination/Spall	PAR: (13) SPALLS AND DELAMINATED AREAS UP TO 2 FEET HIGH X 3 INCHES WIDE X 3 INCHES DEEP WITH EXPOSED REBAR INTERMITTENT THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS, SOME AREAS ON BACK FACE ARE LOOSE AND OVER TRAFFIC	3	13	13 Feet

General Comments

Span 2 Right Bridge Rail
Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Maint Qty
331	Reinforced Concrete Bridge Railing	60	53	1	6	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 331	Delamination/Spall	PAR: (6) SPALLS AND DELAMINATED AREAS UP TO 8 INCHES HIGH X 5 INCHES WIDE X 0.5 INCHES DEEP WITH EXPOSED REBAR INTERMITTENT THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS, SOME AREAS ON BACK FACE ARE LOOSE AND OVER TRAFFIC - NCDOT NOTIFIED	3	6	6 Feet
<input checked="" type="checkbox"/> 331	Cracking (RC and Other)	1 FEET LONG HAIRLINE HORIZONTAL CRACK AT INSIDE FACE OF PEDESTAL AT BENT 2	2	1	Feet

General Comments

Span 2 Near Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Maint Qty
313	Fixed Bearing	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
<input checked="" type="checkbox"/> 313	Corrosion	ACTIVE CORROSION WITH 1/16 INCHES SECTION LOSS ON BEARING	3	1	1 Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1 Square Feet

General Comments

Span 2 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Maint 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
<input checked="" type="checkbox"/> 316	Corrosion	ACTIVE CORROSION WITH 1/16 INCHES SECTION LOSS ON BEARING	3	1	1 Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1 Square Feet

General Comments

Span 2 Near Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 313	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	2	1		Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS, CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	3	1	1	Square Feet

General Comments

Span 2 Far Bearing
Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 316	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	2	1		Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS, CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	3	1	1	Square Feet

General Comments

Span 2 Near Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 313	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	2	1		Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS, CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	3	1	1	Square Feet

General Comments

Span 2 Far Bearing
Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 316	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	2	1		Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING HAS LIMITED EFFECTIVENESS	3	1	1	Square Feet

General Comments

Span 2 Near Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 313	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	2	1		Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	LIMITED EFFECTIVENESS, CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	3	1	1	Square Feet

General Comments

Span 2 Far Bearing
Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 316	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	2	1		Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING HAS LIMITED EFFECTIVENESS	3	1	1	Square Feet

General Comments

Span 2 Near Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	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	
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<input checked="" type="checkbox"/>	313	Corrosion	ACTIVE CORROSION WITH UP TO 1/16 INCHES SECTION LOSS ON BEARING	3	1	1	Each
<input checked="" type="checkbox"/>	515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1	Square Feet

General Comments

Span 2 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	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		
<input checked="" type="checkbox"/>	316	Corrosion	ACTIVE CORROSION WITH UP TO 1/16 INCHES SECTION LOSS ON BEARING	3	1	1	Each
<input checked="" type="checkbox"/>	515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1	Square Feet

General Comments

Span 3 Deck
Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	2,160	0	1,724	436	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
<input checked="" type="checkbox"/>	12	Cracking (RC and Other)	MAP CRACKING UP TO 1/16 INCHES WIDE INTERMITTENT THROUGHOUT BRIDGE DECK	3	435	435	Square Feet
<input checked="" type="checkbox"/>	12	Delamination/Spall	SOUND PATCH TO FIX PREVIOUS PAR 18 INCHES LONG X 14 INCHES WIDE IN NORTHBOUND LANE 2 FEET FROM BENT 3 JOINT	3	1	1	Square Feet
<input checked="" type="checkbox"/>	12	Abrasion/Wear (PSC/RC)	MINOR ABRASION INTERMITTENT THROUGHOUT DECK	2	482		Square Feet
<input checked="" type="checkbox"/>	12	Cracking (RC and Other)	MAP CRACKING UP TO 1/32 INCHES WIDE INTERMITTENT SCATTERED THROUGHOUT BRIDGE DECK	2	496	669	Square Feet
<input checked="" type="checkbox"/>	12	Cracking (RC and Other)	MAP CRACKING UP TO 1/32 INCHES WIDE INTERMITTENT THROUGHOUT SIDEWALK ON LEFT AND RIGHT SIDE	2	267	360	Square Feet
<input checked="" type="checkbox"/>	12	Delamination/Spall	APPROXIMATELY 190 SQUARE FEET OF SCATTERED AREAS OF DELAMINATION IN SOUTHBOUND LANE	2	190	190	Square Feet
<input checked="" type="checkbox"/>	12	Delamination/Spall	APPROXIMATELY 242 SQUARE FEET OF SCATTERED AREAS OF DELAMINATION IN NORTHBOUND LANE	2	242	242	Square Feet
<input checked="" type="checkbox"/>	12	Patched Areas	(2) 12 INCHES WIDE X 12 INCHES LONG SOUND PATCHES 8 FEET FROM BENT 3 NEAR CENTERLINE OF BRIDGE	2	2		Square Feet
<input checked="" type="checkbox"/>	12	Patched Areas	4 FEET WIDE X 2 FEET LONG SOUND PATCH LOCATED 10 FEET FROM BENT 3 IN THE NORTHBOUND TRAVEL LANE	2	8		Square Feet
<input checked="" type="checkbox"/>	12	Patched Areas	4.5 FEET WIDE X 7 FEET LONG SOUND PATCH WITH INTERMITTENT SEALED CRACKING IN SOUTHBOUND TRAVEL LANE NEAR BENT 2	2	32		Square Feet

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<input checked="" type="checkbox"/>	12	Patched Areas	SOUND PATCH 12 INCHES WIDE X 10 INCHES LONG 15 FEET FROM BENT 3 IN CENTERLINE OF ROAD	2	2	Square Feet
<input checked="" type="checkbox"/>	12	Patched Areas	SOUND PATCH 12 INCHES WIDE X 12 INCHES LONG 10 FEET FROM BENT 3 AT CENTERLINE OF BRIDGE	2	1	Square Feet
<input checked="" type="checkbox"/>	12	Patched Areas	SOUND PATCH TO FIX PREVIOUS PAR 18 INCHES DIAMETER LOCATED 6 FEET FROM BENT 2 IN THE NORTHBOUND TRAVEL LANE	2	2	Square Feet

General Comments

Span 3 Beam 1
Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	60	58	2	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/>	110	Cracking (RC and Other)	ISOLATED VERTICAL CRACKS UP TO 1/32 INCHES WIDE UP TO FULL HEIGHT OF WEB NEAR BENT 3 (2 TOTAL)	2	2	Feet

General Comments

Span 3 Beam 4
Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	60	59	1	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/>	110	Delamination/Spall	AT BENT 3, 2 FEET HIGH X 6 INCHES WIDE DELAMINATED AREA ON LEFT SIDE	2	1	1 Feet

General Comments

Span 3 Beam 5
Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
110	Reinforced Concrete Open Girder/Beam	60	58	2	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/>	110	Cracking (RC and Other)	ISOLATED VERTICAL CRACKS UP TO 1/32 INCHES WIDE UP TO FULL-HEIGHT OF WEB NEAR BENT 3 (2 TOTAL)	2	2	Feet

General Comments

Span 3 Left Bridge Rail**Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	60	38	22	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 331	Exposed Rebar	SPALLS UP TO 12 INCHES HIGH X 3 INCHES WIDE X 1 INCHES DEEP WITH EXPOSED REBAR INTERMITTENT THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS (14 TOTAL)	2	14	14 Feet
<input checked="" type="checkbox"/> 331	Exposed Rebar	SPALLS UP TO 4 INCHES HIGH X 3 INCHES WIDE X 1 INCHES DEEP WITH EXPOSED REBAR INTERMITTENT THROUGHOUT BASE OF RAIL (8 TOTAL)	2	8	8 Feet

General Comments**Span 3 Right Bridge Rail****Concrete Railing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
331	Reinforced Concrete Bridge Railing	60	25	34	1	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 331	Delamination/Spall	SPALL 9 INCH X 6 INCH X 3/4 INCH DEEP ON INSIDE FACE OF END POSTS AT PIER 3 AT BOTTOM	3	1	1 Feet
<input checked="" type="checkbox"/> 331	Cracking (RC and Other)	1 FEET LONG HAIRLINE HORIZONTAL CRACK AT INSIDE FACE OF RAIL END POST AT BENT 3	2	1	Feet
<input checked="" type="checkbox"/> 331	Exposed Rebar	SPALLS UP TO 4 INCHES HIGH X 3 INCHES WIDE X 1 INCHES DEEP WITH EXPOSED REBAR INTERMITTENT THROUGHOUT BASE OF RAIL (21 TOTAL)	2	21	21 Feet
<input checked="" type="checkbox"/> 331	Exposed Rebar	SPALLS UP TO 6 INCHES HIGH X 1 INCHES WIDE X 0.5 INCHES DEEP WITH EXPOSED REBAR THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS (12 TOTAL)	2	12	12 Feet

General Comments**Span 3 Near Bearing****Fixed Bearing**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
313	Fixed Bearing	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
<input checked="" type="checkbox"/> 313	Corrosion	ACTIVE CORROSION WITH 1/8 INCHES SECTION LOSS ON BEARING WITH 95 PERCENT REMAINING	3	1	1 Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1 Square Feet

General Comments

Span 3 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
316	Other Bearings	1	0	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
<input checked="" type="checkbox"/> 316	Corrosion	ACTIVE CORROSION WITH 1/8 INCHES SECTION LOSS ON BEARING WITH 95 PERCENT REMAINING	3	1	1 Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1 Square Feet

General Comments

Span 3 Near Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 313	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	2	1	Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING HAS LIMITED EFFECTIVENESS	3	1	1 Square Feet

General Comments

Span 3 Far Bearing
Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 316	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	2	1	Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING HAS LIMITED EFFECTIVENESS	3	1	1 Square Feet

General Comments

Span 3 Near Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 313	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	2	1		Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING HAS LIMITED EFFECTIVENESS	3	1	1	Square Feet

General Comments

Span 3 Far Bearing
Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 316	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	2	1		Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING HAS LIMITED EFFECTIVENESS	3	1	1	Square Feet

General Comments

Span 3 Near Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 313	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	2	1		Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING HAS LIMITED EFFECTIVENESS	3	1	1	Square Feet

General Comments

Span 3 Far Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	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	
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<input checked="" type="checkbox"/>	316	Corrosion	ACTIVE CORROSION WITH 1/8 INCHES SECTION LOSS ON BEARING WITH 95 PERCENT REMAINING	3	1	1	Each
<input checked="" type="checkbox"/>	515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1	Square Feet

General Comments

Span 3 Near Bearing Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	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		
<input checked="" type="checkbox"/>	313	Corrosion	ACTIVE CORROSION WITH 1/16 INCHES SECTION LOSS ON BEARING	3	1	1	Each
<input checked="" type="checkbox"/>	515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1	Square Feet

General Comments

Span 3 Far Bearing Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	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		
<input checked="" type="checkbox"/>	316	Corrosion	ACTIVE CORROSION WITH 1/8 INCHES SECTION LOSS ON BEARING WITH 95 PERCENT REMAINING	3	1	1	Each
<input checked="" type="checkbox"/>	515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1	Square Feet

General Comments

Span 4 Deck Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	2,052	1	1,991	60	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
<input checked="" type="checkbox"/>	12	Cracking (RC and Other)	UP TO 1/8 INCH WIDE TRANSVERSE CRACKS AT VARIOUS LOCATIONS IN TOP OF DECK	3	60	60	Square Feet
<input checked="" type="checkbox"/>	12	Cracking (RC and Other)	HAIRLINE MAP CRACKING INTERMITTENT THROUGHOUT BRIDGE DECK	2	1,093	1,093	Square Feet
<input checked="" type="checkbox"/>	12	Cracking (RC and Other)	MAP CRACKING UP TO 1/32 INCHES WIDE INTERMITTENT THROUGHOUT SIDEWALK ON LEFT AND RIGHT SIDE	2	342	342	Square Feet
<input checked="" type="checkbox"/>	12	Cracking (RC and Other)	MAP CRACKING UP TO 1/32 INCHES WIDE SCATTERED THROUGHOUT BRIDGE DECK	2	309	310	Square Feet

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<input checked="" type="checkbox"/>	12	Delamination/Spall	3 INCHES DIAMETER SPALL X 3/4 INCHES DEEP WITH EXPOSED REBAR NO LOSS LOCATED IN LEFT OVERHANG (UNDERSIDE OF DECK) 7 FEET FROM BENT 3	2	1	1	Square Feet
<input checked="" type="checkbox"/>	12	Patched Areas	NUMEROUS SOUND PATCHES UP TO 6 FEET X 3.5 FEET SCATTERED THROUGHOUT BRIDGE DECK (21 TOTAL)	2	180		Square Feet
<input checked="" type="checkbox"/>	12	Patched Areas	1 FEET DIAMETER SOUND PATCH ADJACENT TO 4.5 FEET X 3 FEET SOUND PATCH	2	1		Square Feet
<input checked="" type="checkbox"/>	12	Patched Areas	SEVERAL SOUND DECK PATCHES UP TO 4.5 FEET X 3 FEET WITH CRACKING UP TO 1/32 INCHES WIDE	2	60		Square Feet
<input checked="" type="checkbox"/>	12	Patched Areas	SOUND PATCH 18 INCHES WIDE X 15 INCHES LONG 35 FEET FROM BENT 3	2	2		Square Feet
<input checked="" type="checkbox"/>	12	Patched Areas	SOUND PATCH 2 FEET WIDE X 15 INCHES LONG LOCATED 20 FEET FROM BENT 3 IN NORTHBOUND TRAVEL LANE	2	3		Square Feet

General Comments

Span 4 Beam 1

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	55	47	8	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
<input checked="" type="checkbox"/>	110	Cracking (RC and Other)	VERTICAL CRACKS UP TO 1/32 INCHES UP TO FULL HEIGHT OF WEB SCATTERED THROUGHOUT (8 TOTAL)	2	8		Feet

General Comments

Span 4 Beam 3

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	55	54	1	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty		
<input checked="" type="checkbox"/>	110	Delamination/Spall	AT BENT 3, DELAMINATION / SPALL 4 INCHES HIGH X 4 INCHES WIDE ON END OF BEAM RIGHT CORNER	2	1		1 Feet

General Comments

Span 4 Beam 4

Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
110	Reinforced Concrete Open Girder/Beam	55	53	2	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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<input checked="" type="checkbox"/>	110	Cracking (RC and Other)	20 INCHES HIGH X 5 INCHES WIDE AREA OF DELAMINATION WITH UP TO 1/8 INCHES WIDE CRACKING ON RIGHT SIDE OF BEAM AT NEAR END	2	1	Feet
<input checked="" type="checkbox"/>	110	Delamination/Spall	AT BENT 3, 6 INCHES WIDE X 24 INCHES LONG DELAMINATION WITH CRACKING UP 3/32 INCHES WIDE ON LEFT SIDE AT END OF BEAM 4	2	1	1 Feet

General Comments

Span 4 Beam 5 Reinforced Concrete Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Maint Qty
110	Reinforced Concrete Open Girder/Beam	55	44	11	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/>	Cracking (RC and Other)	VERTICAL CRACKS UP TO 1/32 INCHES WIDE UP TO FULL HEIGHT OF WEB SCATTERED THROUGHOUT (11 TOTAL)	2	11	Feet

General Comments

Span 4 Left Bridge Rail Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Maint Qty
331	Reinforced Concrete Bridge Railing	57	31	26	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/>	Cracking (RC and Other)	1 FEET LONG HAIRLINE TRANSVERSE CRACK AT TOP FACE OF PEDESTAL AT BENT 3	2	1	Feet
<input checked="" type="checkbox"/>	Exposed Rebar	SPALLS UP TO 15 INCHES HIGH X 4 INCHES WIDE X 0.5 INCHES DEEP WITH EXPOSED REBAR INTERMITTENT THROUGHOUT RAIL POSTS (25 TOTAL)	2	25	25 Feet

General Comments

Span 4 Right Bridge Rail Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	Maint Qty
331	Reinforced Concrete Bridge Railing	57	34	23	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/>	Cracking (RC and Other)	HAIRLINE MAP CRACKING INTERMITTENT AT TOP OF RAIL END POST AT END BENT 2	2	2	Feet
<input checked="" type="checkbox"/>	Exposed Rebar	SPALLS UP TO 10 INCHES WIDE X 10 INCHES HIGH X 2 INCHES DEEP WITH EXPOSED REBAR INTERMITTENT THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS (19 TOTAL)	2	16	16 Feet
<input checked="" type="checkbox"/>	Exposed Rebar	SPALLS UP TO 4 INCHES WIDE X 3 INCHES HIGH X 1 INCHES DEEP WITH EXPOSED REBAR SCATTERED THROUGHOUT BASE OF RAIL (5 TOTAL)	2	5	5 Feet

General Comments

Span 4 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 316	Corrosion	ACTIVE CORROSION WITH 1/8 INCHES SECTION LOSS ON BEARING WITH 95 PERCENT REMAINING	2	1	Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1 Square Feet

General Comments

Span 4 Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 313	Corrosion	ACTIVE CORROSION WITH 1/8 INCHES SECTION LOSS ON BEARING WITH 95 PERCENT REMAINING	2	1	Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1 Square Feet

General Comments

Span 4 Near Bearing

Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 316	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	2	1	Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING HAS LIMITED EFFECTIVENESS	3	1	1 Square Feet

General Comments

Span 4 Far Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 313	Corrosion	ACTIVE CORROSION WITH UP TO 1/16 INCHES SECTION LOSS ON BEARING	2	1		Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1	Square Feet

General Comments

Span 4 Near Bearing
Other Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/> 316	Corrosion	CORROSION HAS INITIATED WITH NO MEASUREABLE SECTION LOSS ON BEARING	2	1		Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	STEEL PROTECTIVE COATING HAS LIMITED EFFECTIVENESS	3	1	1	Square Feet

General Comments

Span 4 Far Bearing
Fixed Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
313	Fixed Bearing	1	0	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	
<input checked="" type="checkbox"/> 313	Corrosion	ACTIVE CORROSION WITH UP TO 1/16 INCHES SECTION LOSS ON BEARING	3	1	1	Each
<input checked="" type="checkbox"/> 515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1	Square Feet

General Comments

Span 4 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	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	
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<input checked="" type="checkbox"/>	316	Corrosion	ACTIVE CORROSION WITH 1/8 INCHES SECTION LOSS ON BEARING WITH 95 PERCENT REMAINING	3	1	1	Each
<input checked="" type="checkbox"/>	515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1	Square Feet

General Comments

Span 4 Far Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/>	313	Corrosion	ACTIVE CORROSION WITH UP TO 1/16 INCHES SECTION LOSS ON BEARING	2	1	Each
<input checked="" type="checkbox"/>	515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1 Square Feet

General Comments

Span 4 Near Bearing
Other Bearing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
316	Other Bearings	1	0	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	
<input checked="" type="checkbox"/>	316	Corrosion	ACTIVE CORROSION WITH 1/8 INCHES SECTION LOSS ON OUTSIDE HALF OF BEARING WITH 95 PERCENT REMAINING	3	1	1 Each
<input checked="" type="checkbox"/>	515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1 Square Feet

General Comments

Span 4 Far Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
<input checked="" type="checkbox"/>	313	Corrosion	ACTIVE CORROSION WITH 1/8 INCHES SECTION LOSS ON BEARING WITH 95 PERCENT REMAINING	2	1	Each
<input checked="" type="checkbox"/>	515	Effectiveness (Steel Protective Coatings)	PAINT FAILURE ON BEARING	4	1	1 Square Feet

General Comments

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	39	36	1	2	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 234	Delamination/Spall	20 INCHES HIGH X 20 INCHES WIDE X 1.5 INCHES DEEP SPALL WITH EXPOSED REBAR WITH ACTIVE CORROSION NO LOSS ON NEAR FACE IN BAY 1	3	2	4 Feet
<input checked="" type="checkbox"/> 234	Delamination/Spall	5 INCHES DIAMETER DELAMINATED AREA ON FAR SIDE UNDER BEAM 2	2	1	1 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	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 205	Cracking (RC and Other)	6 FEET LONG HAIRLINE VERTICAL CRACK ON FAR FACE OF COLUMN 1 AT MIDHEIGHT	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	1	0	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 205	Cracking (RC and Other)	4 FEET LONG VERTICAL HAIRLINE CRACK ON SOUTH FACE OF PILE	1	1	Each

General Comments**End Bent 1****Abutment****Reinforced Concrete Abutment**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
215	Reinforced Concrete Abutment	50	47	3	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 215	Cracking (RC and Other)	(3) ISOLATED 18" LONG HAIRLINE VERTICAL CRACKS IN BACKWALL AT BAY 1	2	3	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	40	10	7	23	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 234	Cracking (RC and Other)	(2) 18 INCHES LONG HORIZONTAL CRACKS UP TO 1/16 INCHES WIDE AT BOTTOM OF FAR FACE UNDER BEAM 2	3	4	4 Feet
<input checked="" type="checkbox"/> 234	Cracking (RC and Other)	2 FEET LONG HORIZONTAL CRACK 1/16 INCHES WIDE ON NEAR FACE IN BAY 2	3	2	2 Feet
<input checked="" type="checkbox"/> 234	Cracking (RC and Other)	3 FEET LONG HORIZONTAL CRACK UP TO 1/16 INCHES WIDE ON NEAR FACE UNDER BEAM 2	3	3	3 Feet
<input checked="" type="checkbox"/> 234	Delamination/Spall	2 FOOT-6 INCHES HIGH X 1 FOOT-6 INCHES WIDE X 1 1/4 INCHES DEEP SPALL WITH EXPOSED REBAR/AREA OF DELAMINATION WITH ACTIVE CORROSION NO LOSS ON NEAR FACE UNDER BEAM 3	3	3	2 Feet
<input checked="" type="checkbox"/> 234	Delamination/Spall	4 FEET LONG X 10 INCHES HIGH DELAMINATION TOP OF FAR FACE WITH UP TO 1/8 INCHES WIDE CRACKING UNDER BAY 2	3	4	4 Feet
<input checked="" type="checkbox"/> 234	Delamination/Spall	4 FOOT-8 INCHES LONG X 1 FOOT-10 INCHES HIGH X 1 1/2 INCHES DEEP SPALL WITH EXPOSED REBAR/AREA OF DELAMINATION WITH ACTIVE CORROSION NO LOSS ON NEAR FACE IN BAY 4	3	5	5 Feet
<input checked="" type="checkbox"/> 234	Patched Area	FAILED PATCHED AREA THAT IS 2 FEET DIAMETER X UP TO 3/4 INCHES DEEP ON FAR FACE UNDER BAY 4	3	2	2 Feet
<input checked="" type="checkbox"/> 234	Cracking (RC and Other)	MAP CRACKING UP TO 1/32 INCHES WIDE ON FAR FACE BELOW BEAM 4 FOR 2 FEET LENGTH OF CAP	2	2	Feet
<input checked="" type="checkbox"/> 234	Cracking (RC and Other)	MAP CRACKING UP TO 1/32 INCHES WIDE, TOP OF FAR FACE UNDER BAY 1 FOR A LENGTH OF 2 FEET	2	2	Feet
<input checked="" type="checkbox"/> 234	Delamination/Spall	2 FOOT-6 INCHES HIGH X 2 FOOT-6 INCHES WIDE AREA OF DELAMINATION ON FAR FACE OF CAP BELOW BEAM 4	2	3	3 Feet

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

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 205	Delamination/Spall	3 SPALLS UP TO 12 INCHES X 4 INCHES X 4 INCHES AT NEAR LEFT CORNER NEAR BASE OF COLUMN 1	3	1	3 Each

General Comments

End Bent 2

Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	53	30	4	19	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 234	Cracking (RC and Other)	18 INCHES LONG HORIZONTAL CRACK UP TO 1/16 INCHES WIDE ON FACE OF CAP UNDER BEAM 4 AND 2 FEET LONG HORIZONTAL CRACK UP TO 1/16 INCHES WIDE ON BAY 4 FACE OF CAP	3	4	4 Feet
<input checked="" type="checkbox"/> 234	Cracking (RC and Other)	4 FEET LONG HORIZONTAL CRACK UP TO 1/16 INCHES WIDE ON BAY 1 FACE OF CAP	3	4	4 Feet
<input checked="" type="checkbox"/> 234	Cracking (RC and Other)	4 FEET LONG HORIZONTAL CRACK UP TO 1/16 INCHES WIDE ON FACE OF CAP UNDER BEAM 3	3	4	4 Feet
<input checked="" type="checkbox"/> 234	Cracking (RC and Other)	78 INCHES LONG HORIZONTAL CRACK UP TO 1/8 INCHES WIDE ON BAY 3 FACE OF CAP	3	7	7 Feet
<input checked="" type="checkbox"/> 234	Delamination/Spall	38 INCHES LONG 1/16 INCH WIDE CRACK ON FACE OF CAP UNDER BEAM 2 INTO BAY 2	2	4	4 Feet

General Comments

Bent 3

Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	40	26	6	8	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 234	Cracking (RC and Other)	MAP CRACKING UP TO 1/16 INCHES WIDE AT BOTTOM OF NEAR FACE OF CAP UNDER BEAM 4 FOR 1 FEET LENGTH	3	1	1 Feet
<input checked="" type="checkbox"/> 234	Delamination/Spall	18 INCHES HIGH X 8 INCHES WIDE X 1 INCHES DEEP SPALL WITH EXPOSED REBAR WITH ACTIVE CORROSION NO LOSS WITH A 3 FEET LONG HORIZONTAL CRACK UP TO 1/16 INCHES WIDE ON NEAR FACE OF CAP UNDER BAY 4	3	3	3 Feet
<input checked="" type="checkbox"/> 234	Delamination/Spall	3 FEET-6 INCHES LONG X 9 INCHES HIGH DELAMINATION, 6 INCHES DIAMETER X 1 INCHES DEEP SPALL WITH EXPOSED REBAR WITH ACTIVE CORROSION NO LOSS AND 5 INCHES HIGH X 1 INCHES WIDE X 3/4 INCHES DEEP SPALL WITH EXPOSED REBAR WITH ACTIVE CORROSION NO LOSS ON NEAR FACE UNDER BEAM 3	3	4	5 Feet
<input checked="" type="checkbox"/> 234	Cracking (RC and Other)	8 INCHES HIGH X 2 INCHES WIDE AREA OF DELAMINATION WITH A 2 FEET LONG VERTICAL CRACK UP TO 1/32 INCHES WIDE AT FAR FACE OF CAP UNDER BEAM 1	2	1	Feet
<input checked="" type="checkbox"/> 234	Cracking (RC and Other)	HAIRLINE MAP CRACKING ON NEAR FACE UNDER BAY 1 FOR 2 FEET LENGTH	2	2	Feet
<input checked="" type="checkbox"/> 234	Delamination/Spall	12 INCHES X 6 INCHES DELAMINATION ON NEAR FACE OF CAP UNDER BEAM 5	2	1	1 Feet
<input checked="" type="checkbox"/> 234	Delamination/Spall	16 INCHES LONG X 6 FEET HIGH AREA OF DELAMINATION WITH CRACKING UP TO 0.0625 INCHES WIDE ON BOTTOM OF CAP AND EXTENDING UP FAR FACE UNDER BEAM 4	2	1	1 Feet
<input checked="" type="checkbox"/> 234	Delamination/Spall	9 INCHES DIAMETER DELAMINATED AREA ON FAR FACE UNDER BEAM 1	2	1	1 Feet

General Comments**Bent 3 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	1	0	0 Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 205	Delamination/Spall	6 INCHES X 3 INCHES X 1/2 INCHES DEEP SPALL WITH NO AT NEAR LEFT CORNER OF COLUMN 1 (BASE OF COLUMN)	2	1	1 Each

General Comments**Bent 3 Pile 3****Reinforced Concrete Column**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
<input checked="" type="checkbox"/> 205	Cracking (RC and Other)	FULL-HEIGHT VERTICAL CRACK UP TO 1/16 INCHES WIDE ON NEAR FACE OF COLUMN	3	1	12 Each
<input checked="" type="checkbox"/> 205	Cracking (RC and Other)	HAIRLINE FULL-HEIGHT VERTICAL CRACK ON FAR FACE OF COLUMN	2		Each

General Comments

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2052
Span 1	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 1	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 1	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 1	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 1	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Other Bearing	Other Bearings	1
Span 1	DELINATOR 1,SW	Delineator	Warning Signs	1
Span 1	DELINATOR 2,SE	Delineator	Warning Signs	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2160
Span 2	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 2	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 2	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 2	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 2	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	60
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	60
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2160
Span 3	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 3	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 3	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 3	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 3	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	60
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	60

Elements Verified

Location	Name	Component	Element Name	Amount
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	60
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Other Bearing	Other Bearings	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	2052
Span 4	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 4	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 4	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 4	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 4	Beam 5	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	55
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	57
Span 4	Expansion Joint	Standard Joint	Pourable Joint Seal	31
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Other Bearing	Other Bearings	1
Span 4	DELINEATOR 3,NW	Delineator	Warning Signs	1
Span 4	DELINEATOR 4,NE	Delineator	Warning Signs	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	39
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
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	53
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	50
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	40
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
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	53
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	50
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	40

Elements Verified

Location	Name	Component	Element Name	Amount
Bent 3	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 3	Reinforced Concrete Column	Reinforced Concrete Column	1

General Inspection Notes

Span 1 Expansion Joint
JOINT NOT VISIBLE, COVERED WITH TAR

Span 2 Expansion Joint
JOINT NOT VISIBLE, COVERED WITH TAR

Span 3 Expansion Joint
JOINT NOT VISIBLE, COVERED WITH TAR

Span 4 Expansion Joint
JOINT NOT VISIBLE, COVERED WITH TAR

Span 4 Expansion Joint
JOINT NOT VISIBLE, COVERED WITH TAR

National Bridge and NC Inspection Items

Structure Number: 170176

Inspection Date: 04/04/2023

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	5
Item 59: Superstructure	0 - 9 , N	6
Item 60: Substructure	0 - 9 , N	6
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:

Items 58,59,60,62 reflect this inspection only.

For overall NBI coding grade, see cover sheet.

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

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	G	0	3376
Drainage System	G, F, P, or C	G	0	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	G	0	3352
Scour	G, F, P, or C			
Wingwall	G, F, P, or C	G	0	3350
Field Scour Evaluation				
Drift	G, F, P, or C		0	3366
Fender System	G, F, P, or C		0	3364
Movable Span Machinery	G, F, P, or C			
Response to Live Load	G, F, P, or C	G		
Superstructure Paint Code				

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	7
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	Y
Bucket Truck Used	YES/NO	N
Boat Used	YES/NO	N
Other Equipment Used	YES/NO	N
Portion of Structure in > 3' of water	YES/NO	N

National Bridge and NC SMU Inspection Item Details

Structure Number: 170176

Inspection Date: 04/04/2023

Item	General Comments and Misc Items	Grade	Maint Code	Qty. 0
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Details	SOUTHWEST GUARDRAIL IMPACT DAMAGE 15 FEET LONG 20 FEET FROM TERMINAL END			
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SOUTHWEST GUARDRAIL IMPACT DAMAGE 15 FEET LONG 20 FEET FROM TERMINAL END



Span 4 Deck: SEVERAL SOUND DECK PATCHES UP TO 4.5 FEET X 3 FEET WITH CRACKING UP TO 1/32 INCHES WIDE



TYPICAL SOUND PATCHED AREAS IN SPAN 4 DECK



Span 4 Deck: UP TO 1/8 INCH WIDE TRANSVERSE CRACKS AT VARIOUS LOCATIONS IN TOP OF DECK



Span 3 Deck: SOUND PATCH TO FIX PREVIOUS PAR 18 INCHES LONG X 14 INCHES WIDE IN NORTHBOUND LANE 2 FEET FROM BENT 3 JOINT



Span 3 Deck: 4.5 FEET WIDE X 7 FEET LONG SOUND PATCH WITH INTERMITTENT SEALED CRACKING IN SOUTHBOUND TRAVEL LANE NEAR BENT 2



Span 3 Deck: SOUND PATCH TO FIX PREVIOUS PAR 18 INCHES DIAMETER LOCATED 6 FEET FROM BENT 2 IN THE NORTHBOUND TRAVEL LANE



TYPICAL SOUND PATCHES IN SPAN 3 DECK



SPAN 2 LEFT SIDEWALK (3) 9 INCHES HIGH X 3/4 INCHES WIDE X 1/4 INCHES DEEP SPALLS WITH EXPOSED REBAR ON VERTICAL FACE OF LEFT SIDEWALK , APPROXIMATELY 15 FEET FROM BENT 1



TYPICAL-- MAP CRACKING UP TO 1/16 INCHES WIDE INTERMITTENT THROUGHOUT BRIDGE DECK, SPAN 2 SHOWN



TYPICAL SOUND PATCHES IN SPAN 2 DECK



Span 1 Deck: SOUND PATCH 2 FEET DIAMETER IN NORTHBOUND LANE, APPROXIMATELY MIDSPAN



TYPICAL SOUND PATCHES IN SPAN 1 DECK



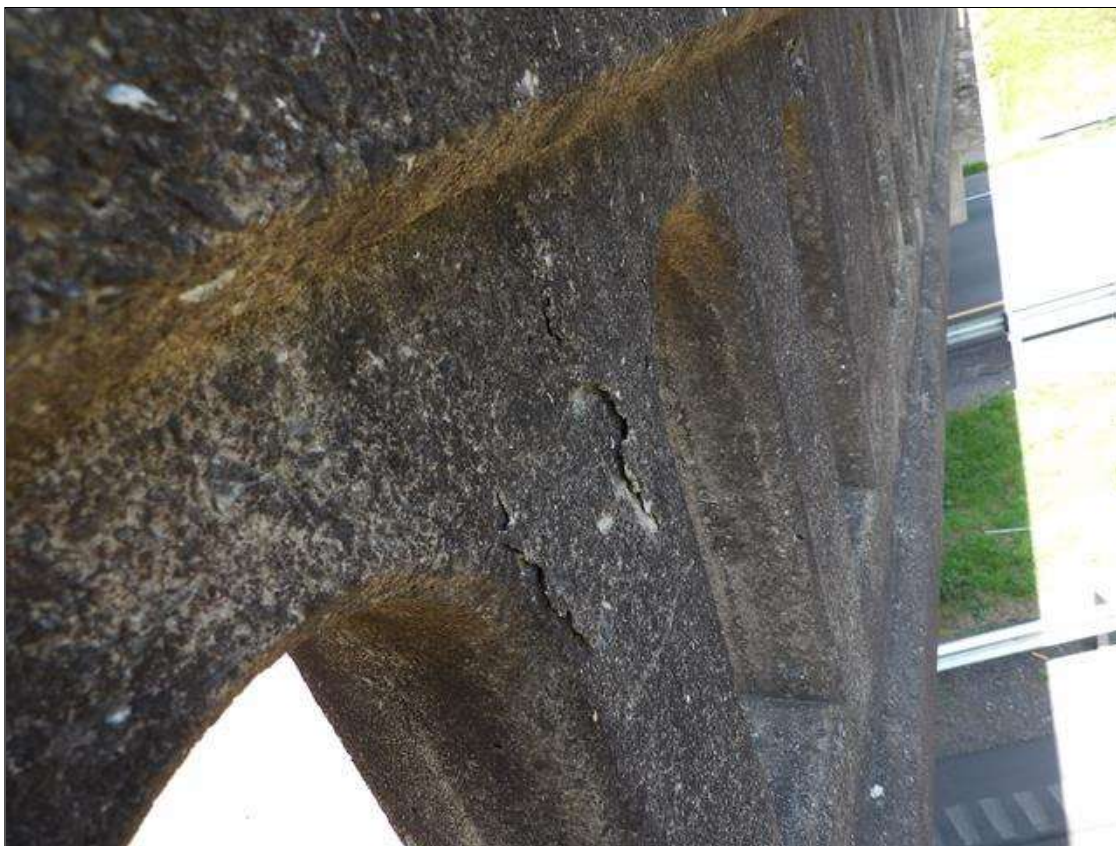
TYPICAL-- SPALLS UP TO 19 INCHES HIGH X 2 INCHES WIDE X 0.5 INCHES DEEP WITH EXPOSED REBAR THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS SPAN 1 LEFT SHOWN



Span 2 Left Bridge Rail: PAR: (13) SPALLS AND DELAMINATED AREAS UP TO 2 FEET HIGH X 3 INCHES WIDE X 3 INCHES DEEP WITH EXPOSED REBAR INTERMITTENT THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS, SOME AREAS ON BACK FACE ARE LOOSE AND OVER TRAFFIC



Span 3 Right Bridge Rail: SPALL 9 INCH X 6 INCH X 3/4 INCH DEEP ON INSIDE FACE OF END POSTS AT PIER 3
AT BOTTOM



Span 2 Right Bridge Rail: PAR: (6) SPALLS AND DELAMINATED AREAS UP TO 8 INCHES HIGH X 5 INCHES WIDE X 0.5 INCHES DEEP WITH EXPOSED REBAR INTERMITTENT THROUGHOUT FRONT AND BACK FACE OF BARRIER RAIL PEDESTALS, SOME AREAS ON BACK FACE ARE LOOSE AND OVER TRAFFIC - NCDOT NOTIFIED



TYPICAL VERTICAL CRACKS UP TO 1/32 INCHES WIDE UP TO FULL-HEIGHT OF WEB SCATTERED THROUGHOUT BEAMS, BEAM 1 SPAN 1 SHOWN



Span 2 Beam 1: AT BENT 1, UP TO 1/16 INCHES WIDE HORIZONTAL CRACK UP TO 3 FEET LONG IN LEFT FACE AT BOTTOM OF BEAM



Span 2 Beam 1: 4 INCHES LONG X 3 INCHES WIDE X 1 1/2 INCHES DEEP SPALL ON BOTTOM RIGHT CORNER AT NEAR END, NO LOSS OF BEARING NOTED



Span 2 Beam 1: (2) HIGH HIT SPALLS UP TO 18 INCHES LONG X 9 INCHES (BOTTOM FACE) X 4 INCHES (WEB) X 1 INCHES DEEP AT BOTTOM LEFT CORNER OF BEAM 1 NEAR MIDSPAN



ROUTE 1716 SIGN REATTACHED TO SPAN 2 BEAM 1 WEST FACE TO FIX PREVIOUS PAR



Span 2 Beam 2: IMPACT SPALL 15 INCHES LONG X 6 INCHES (BOTTOM FACE) X 6 INCHES (WEB) X 3 INCHES DEEP AT BOTTOM CORNER OF BEAM 2 NEAR MIDSPAN



Span 2 Beam 3: IMPACT SPALL 15 INCHES LONG X 6 INCHES (BOTTOM FACE) X 6 INCHES (WEB) X 2 INCHES DEEP AT BOTTOM CORNER OF BEAM 3 NEAR MIDSPAN



Span 2 Beam 4: IMPACT SPALL 8 INCHES LONG X 5 INCHES WIDE (BOTTOM FACE) X 3 INCHES HIGH (LEFT FACE) X 1 1/4 INCHES DEEP ON BOTTOM CORNER APPROXIMATELY MID-SPAN



Span 2 Beam 5: IMPACT SPALL NEAR MIDSPAN, 6 INCHES X 4 INCHES X 2 INCHES DEEP AT BOTTOM OF BEAM



Span 2 Beam 5: AT BENT 1, 30 INCHES HIGH VERTICAL CRACK UP TO 1/8 INCHES WIDE EAST FACE



Bent 1 Cap 1: 20 INCHES HIGH X 20 INCHES WIDE X 1.5 INCHES DEEP SPALL WITH EXPOSED REBAR WITH ACTIVE CORROSION NO LOSS ON NEAR FACE IN BAY 1



Bent 2 Cap 1: 2 FEET LONG HORIZONTAL CRACK 1/16 INCHES WIDE ON NEAR FACE IN BAY 2



Bent 2 Cap 1: 2 FOOT-6 INCHES HIGH X 1 FOOT-6 INCHES WIDE X 1 1/4 INCHES DEEP SPALL WITH EXPOSED REBAR/AREA OF DELAMINATION WITH ACTIVE CORROSION NO LOSS ON NEAR FACE UNDER BEAM 3



Bent 2 Cap 1: 4 FOOT-8 INCHES LONG X 1 FOOT-10 INCHES HIGH X 1 1/2 INCHES DEEP SPALL WITH EXPOSED REBAR/AREA OF DELAMINATION WITH ACTIVE CORROSION NO LOSS ON NEAR FACE IN BAY 4



Bent 2 Cap 1: FAILED PATCHED AREA THAT IS 2 FEET DIAMETER X UP TO 3/4 INCHES DEEP ON FAR FACE UNDER BAY 4



Bent 2 Cap 1: 4 FEET LONG X 10 INCHES HIGH DELAMINATION TOP OF FAR FACE WITH UP TO 1/8 INCHES WIDE CRACKING UNDER BAY 2



Bent 2 Pile 1: 3 SPALLS UP TO 12 INCHES X 4 INCHES X 4 INCHES AT NEAR LEFT CORNER NEAR BASE OF COLUMN 1



Span 2 Deck: 12 INCHES WIDE X 12 INCHES LONG X 1 INCHES DEEP SPALL WITH EXPOSED REBAR WITH ACTIVE CORROSION NO LOSS LOCATED AT UNDERSIDE OF LEFT OVERHANG 15 FEET FROM BENT 2



Span 2 Beam 5: AT BENT 2 BEARING, 24 INCHES HIGH X 6 INCHES WIDE DELAMINATION ON RIGHT SIDE, 1 FEET HIGH X 4 INCHES LONG ON LEFT SIDE, EXTENDING 3 INCHES ACROSS THE BEARING NO LOSS



Span 2 Beam 5: 4 INCHES LONG X 4 INCHES WIDE X 1 INCHES DEEP SPALL ON BOTTOM FACE OF BEAM WITH EXPOSED STEEL NO LOSS AT FAR BEARING



Span 3 Beam 4: AT BENT 3, 2 FEET HIGH X 6 INCHES WIDE DELAMINATED AREA ON LEFT SIDE



Span 4 Beam 3: AT BENT 3, DELAMINATION 4 INCHES HIGH X 4 INCHES WIDE ON END OF BEAM RIGHT CORNER



Span 4 Beam 4: AT BENT 3, 6 INCHES WIDE X 24 INCHES LONG DELAMINATION WITH CRACKING UP $\frac{3}{32}$ INCHES WIDE ON LEFT SIDE AT END OF BEAM 4



Span 4 Beam 4: 20 INCHES HIGH X 5 INCHES WIDE AREA OF DELAMINATION WITH UP TO $\frac{1}{8}$ INCHES WIDE CRACKING ON RIGHT SIDE OF BEAM AT NEAR END



TYPICAL-- HORIZONTAL CRACK UP TO 1/16 INCHES WIDE ABUTMENT 2 CAP FACE, BAY 1 SHOWN



End Bent 2 Cap 1: 78 INCHES LONG HORIZONTAL CRACK UP TO 1/8 INCHES WIDE ON BAY 3 FACE OF CAP



Bent 3 Cap 1: 3 FEET-6 INCHES LONG X 9 INCHES HIGH DELAMINATION, 6 INCHES DIAMETER X 1 INCHES DEEP SPALL WITH EXPOSED REBAR WITH ACTIVE CORROSION NO LOSS AND 5 INCHES HIGH X 1 INCHES WIDE X 3/4 INCHES DEEP SPALL WITH EXPOSED REBAR WITH ACTIVE CORROSION NO LOSS ON NEAR FACE UNDER BEAM 3



Bent 3 Cap 1: 18 INCHES HIGH X 8 INCHES WIDE X 1 INCHES DEEP SPALL WITH EXPOSED REBAR WITH ACTIVE CORROSION NO LOSS WITH A 3 FEET LONG HORIZONTAL CRACK UP TO 1/16 INCHES WIDE ON NEAR FACE OF CAP UNDER BAY 4



Bent 3 Cap 1: 16 INCHES LONG X 6 FEET HIGH AREA OF DELAMINATION WITH CRACKING UP TO 0.0625 INCHES WIDE ON BOTTOM OF CAP AND EXTENDING UP FAR FACE UNDER BEAM 4



Bent 3 Pile 1: 6 INCHES X 3 INCHES X 1/2 INCHES DEEP SPALL WITH NO AT NEAR LEFT CORNER OF COLUMN 1 (BASE OF COLUMN)



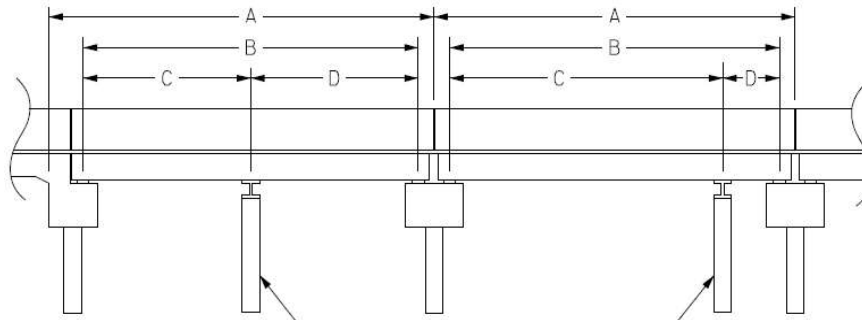
SPAN 4 DECK UNDERSIDE-- DECK REPAIR FORM LEFT IN PLACE (BAY 2, 6 FEET FROM BENT 3)

Structure Data Worksheet

Span Profile

County: **CATAWBA**

Structure Number: **170176**



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

Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	57.000	55.000			
2	60.000	57.500			
3	60.000	57.500			
4	57.000	55.000			

Structure Number: 170176

Span: 2

Route Name: I 40 E



LOOKING EAST THROUGH SPAN 2

Route Number: 11000400		Route Name: I 40 E			Reference Feature: H	
Minimum Vertical Clearance 15.500 feet		Maximum Minimum Vertical Clearance 15.550 feet				
Total Horizontal Clearance 39.510 feet		Lateral Clearances: Left: 16.290 feet		Right: 9.510 feet		
<input checked="" type="checkbox"/> Base Highway Network		LRS Inventory Route, Sub Route Number 10040				
Milepost: 135.300	Number of Lanes: 2	ADT: 25500	Year of ADT: 2017	Percentage of Trucks: 16		
<input checked="" type="checkbox"/> National Highway System			<input type="checkbox"/> STRAHNET Highway Designator			
Functional Classification 11		Local Principal Arterial - Interstate		Direction of Traffic: 1 1 - way traffic		

Structure Number: 170176

Span: 3

Route Name: I 40 W

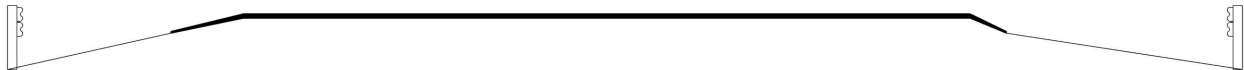


LOOKING WEST THROUGH SPAN 3

Route Number: 11000400		Route Name: I 40 W			Reference Feature: H	
Minimum Vertical Clearance 15.290 feet		Maximum Minimum Vertical Clearance 15.330 feet				
Total Horizontal Clearance 39.700 feet		Lateral Clearances: Left: 15.930 feet Right 9.200 feet				
<input checked="" type="checkbox"/> Base Highway Network		LRS Inventory Route, Sub Route Number 10040				
Milepost: 135.300	Number of Lanes: 2	ADT: 25500	Year of ADT: 2017	Percentage of Trucks: 16		
<input checked="" type="checkbox"/> National Highway System			<input type="checkbox"/> STRAHNET Highway Designator			
Functional Classification 11 Local Principal Arterial - Interstate		Direction of Traffic: 1 1 - way traffic				

Bridge Inspection Field Sketch

MEASUREMENTS TAKEN 30 FT FROM END BENT 1



Roadway	20ft Wide	2 Paved Lanes	Looking North
Left Shoulder	6.5ft Wide	2ft Paved	4.5ft Unpaved
Right Shoulder	7.5ft Wide	1ft Paved	6.5ft Unpaved
Left Guardrail	6.5ft from road		
Right Guardrail	7.5ft from road		

Title
APPROACH ROADWAY

Description
LOOKING NORTH

Structure No: 170176

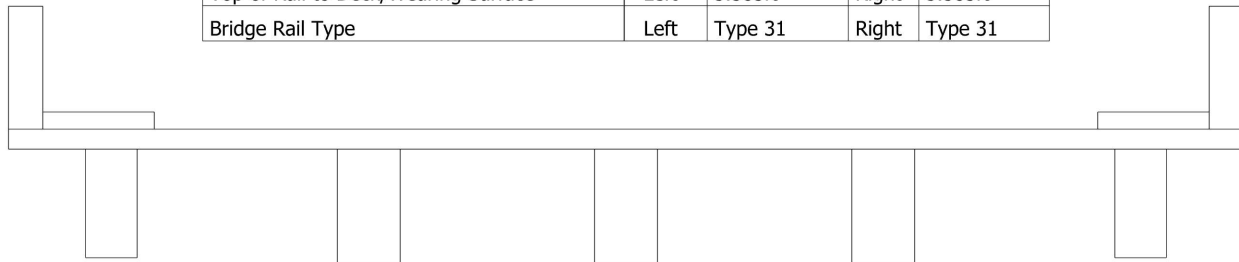
Drawn By: RFW

Date: 4/4/2023

Filename: S001458000206.wes

Bridge Inspection Field Sketch

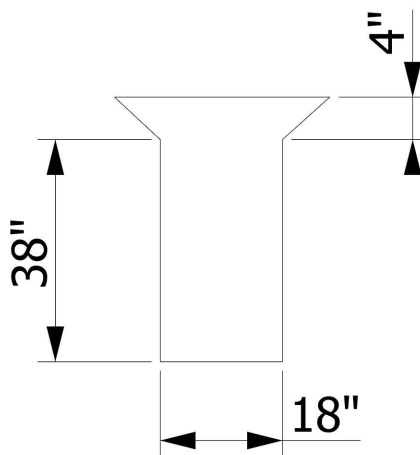
Deck Width/Out to Out	36ft	Between Rails	34.5ft	
Clear Roadway	28ft	Wearing Surface		
Median Width		Median Height		
Curb Height		Left	10in	Right 10in
Sidewalk Width		Left	3.25ft	Right 3.25ft
Clear Roadway (Rail to Median)		Left		Right
Guardrail Width		Left	10in	Right 10in
Top of Rail to Deck/Wearing Surface		Left	3.583ft	Right 3.583ft
Bridge Rail Type		Left	Type 31	Right Type 31



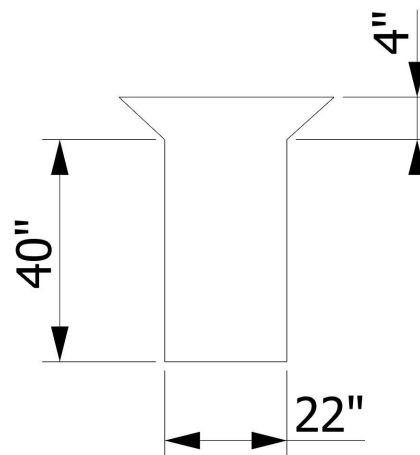
Measurements for Span #	1		
Deck Thickness	7in	Left Overhang	3ft
Top of Rail to Bottom of Beam (Avg)	7.333ft	Right Overhang	3ft

Beam #	Beam Type	Width	Height	Spacing	From
1	Reinforced Concrete Girder	18in	38in	3ft	Left Edge of Deck
2	Reinforced Concrete Girder	22in	40in	7.5ft	Beam 1
3	Reinforced Concrete Girder	22in	40in	7.5ft	Beam 2
4	Reinforced Concrete Girder	22in	40in	7.5ft	Beam 3
5	Reinforced Concrete Girder	18in	38in	7.5ft	Beam 4

EXTERIOR



INTERIOR



Title
TYPICAL SECTION DETAILS

Description
SPANS 1 THROUGH 4

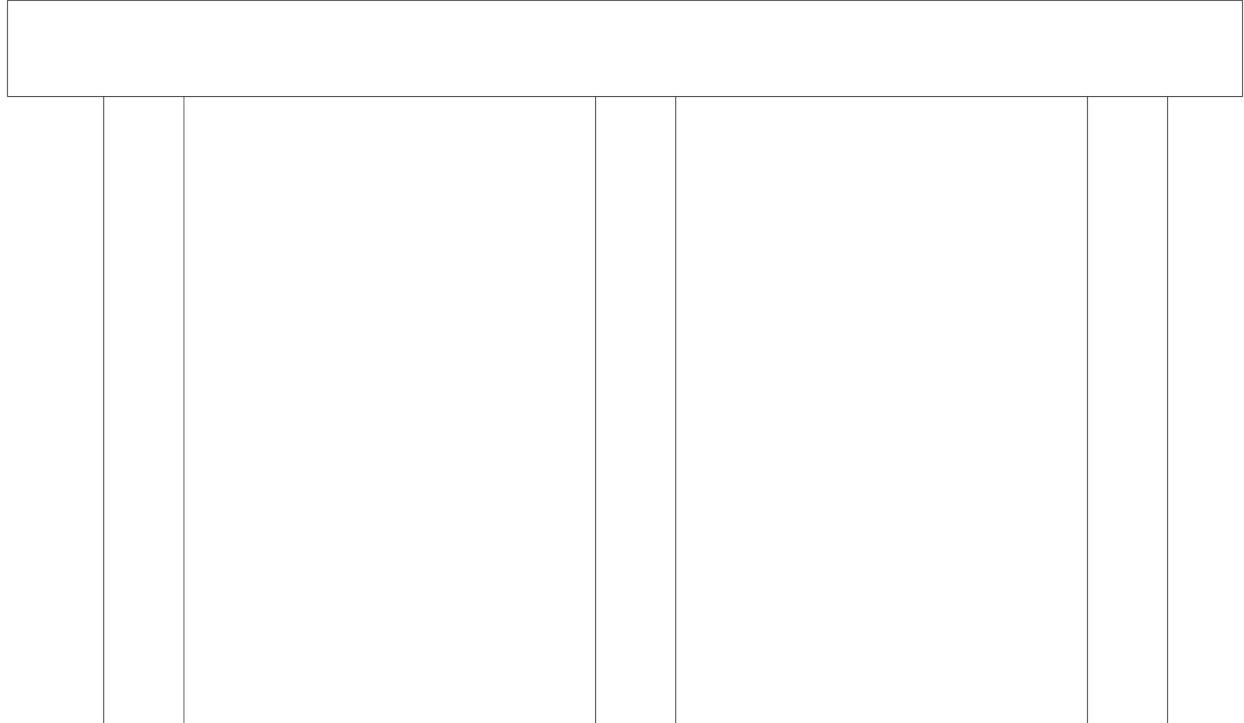
Structure No: 170176

Drawn By: RFW

Date: 4/4/2023

Filename: S001458000207.wes

Bridge Inspection Field Sketch



Caps							
#	Name	Type	Length	Width	Height	Left Beam to End of Cap	Right Beam to End of Cap
1	Cap 1	Reinforced Concrete Pier Cap	38.5ft	36in	36in	2ft	2ft
Piles							
#	Name	Type	Spacing	From	Height/Diam.	Width	Length
1	Pile 1	Reinforced Concrete Column	4.25ft	Left End of Bent	30in	36in	
2	Pile 2	Reinforced Concrete Column	15.333ft	Pile 1	30in	36in	
3	Pile 3	Reinforced Concrete Column	15.333ft	Pile 2	30in	36in	

Title
BENT DETAILS

Description
BENTS 1 THROUGH 3

Structure No: 170176

Drawn By: RFW

Date: 4/4/2023

Filename: S001458000208.wes



GUARDRAIL TERMINAL END SOUTHEAST CORNER, SOUTHWEST AND NORTHEAST SIMILAR



GUARDRAIL POST SPACING MIDWAY SOUTHEAST SHOWN ALL OTHERS SIMILAR



GUARDRAIL POST SPACING AT BRIDGE SOUTHEAST SHOWN ALL OTHERS SIMILAR



GUARDRAIL ATTACHMENT TO BRIDGE SOUTHEAST SHOWN ALL OTHERS SIMILAR



LOOKING NORTH



LOOKING EAST



LOOKING WEST



LOOKING SOUTH



GUARDRAIL TERMINAL END NORTHWEST CORNER



TYPICAL--JOINTS OVER SUBSTRUCTURES COVERED WITH TAR, JOINT OVER ABUTMENT 1 SHOWN



ABUTMENT 1, ABUTMENT 2 SIMILAR



PIER 1, ALL OTHERS SIMILAR



SUPERSTRUCTURE UNDERSIDE SPAN 2, ALL OTHERS SIMILAR



LOOKING EAST THROUGH SPAN 2



WEST ELEVATION



EAST ELEVATION



LOOKING WEST THROUGH SPAN 3



TYPICAL BEARING SPAN 1, BEAM 2 AT PIER 1 SHOWN