NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: Prompt Action Request; Snooper

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 03/10/2022

DIVISION: 4 **COUNTY:** NASH **STRUCTURE NUMBER:** 630029 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: US64ALT **MILE POST:**

LOCATION: 0.4MI.E. OF JCT.SR1331

FEATURE INTERSECTED: TAR RIVER

LATITUDE: 35° 55' 41.27" **LONGITUDE:** 78° 8' 53.14"

SUPERSTRUCTURE: RC DECK GIRDERS

SUBSTRUCTURE: E.BTS:RC CAP/H-PILES;INT.BTS:RCP&BEAM

SPANS: 7 SPANS. SEE SPAN PROFILE SHEET FOR SPAN DETAILS

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

GRADES: (Inspector/NBI Coding) **DECK** 7 / 7 **SUPERSTRUCTURE** 5 / 5 **SUBSTRUCTURE** 5 / 5 **CULVERT** N / N

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

OTHER SIGNS PRESENT: NONE

Looking East

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

INSPECTED BY	SIGNATURE	ASSISTED BY
Jonathan M. Simpson	Jonathan M Simpson	J. Zach Blinson

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

05/19/2022

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE **630029**
(8) STRUCTURE NUMBER (FEDERAL) **1270029**
(5) INVENTORY ROUTE (ON/UNDER) ON **122000640**
(2) STATE HIGHWAY DEPARTMENT DISTRICT **4**
(3) COUNTY CODE (FEDERAL) **127** (4) PLACE CODE **00000**
(6) FEATURE INTERSECTED **TAR RIVER**
(7) FACILITY CARRIED **US64ALT**
(9) LOCATION **0.4MI.E. OF JCT.SR1331**
(11) MILEPOINT **0.0**
(12) BASE HIGHWAY NETWORK **0**
(13) LRS INVENTORY ROUTE & SUBROUTE
(16) LATITUDE **35° 55' 41.27"** (17) LONGITUDE **78° 8' 53.14"**
(98) BORDER BRIDGE STATE CODE PERCENT SHARED
(99) BORDER BRIDGE STRUCTURE NUMBER

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN **Concrete**
TYPE **Tee Beam** CODE **104**
(44) STRUCTURE TYPE APPROACH
TYPE CODE
(45) NUMBER OF SPANS IN MAIN UNIT **7**
(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 **1952**
(106) YEAR RECONSTRUCTED **0**
(42) TYPE OF SERVICE ON - **Highway**
OFF - **Waterway** CODE **15**
(28) LANES ON STRUCTURE **2** LANES UNDER STRUCTURE **0**
(29) AVERAGE DAILY TRAFFIC **2700**
(30) YEAR OF ADT **2019** (109) TRUCK ADT PCT **7**
(19) BYPASS OR DETOUR LENGTH **3.0**

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN **44.0**
(49) STRUCTURE LENGTH **315.0**
(50) CURB OR SIDEWALK: LEFT **1.6** RIGHT **1.6**
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB **28.2**
(52) DECK WIDTH OUT TO OUT **33.5**
(32) APPROACH ROADWAY WITH (W/ SHOULDERS) **28.0**
(33) BRIDGE MEDIAN **No median** CODE **0**
(34) SKEW **15** (35) STRUCTURE FLARED **0**
(10) INVENTORY ROUTE MIN VERT CLEAR **999.9**
(47) INVENTORY ROUTE TOTAL HORIZ CLEAR **28.2**
(53) MIN VERT CLEAR OVER BRIDGE RDWY **999.9**
(54) MIN VERT UNDERCLEAR: REFERENCE **0.0**
(55) MIN LAT UNDERCLEARANCE RT: REFERENCE **N** **0.0**
(56) MIN LAT UNDERCLEARANCE LT: **0.0**

NAVIGATION DATA

(38) NAVIGATION CONTROL - CODE **0**
(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 **73.87**
STATUS =

CLASSIFICATION — CODE

(112) NBIS BRIDGE SYSTEM **YES**
(104) HIGHWAY SYSTEM **Inventory Route not on NHS** **0**
(26) FUNCTIONAL CLASS **Rural Major Collector** **07**
(100) STRAHNET HIGHWAY **Not a STRAHNET Route** **0**
(101) PARALLEL STRUCTURE **No parallel structure exists** **N**
(102) DIRECTION OF TRAFFIC **2-way traffic** **2**
(103) TEMPORARY STRUCTURE
(110) DESIGNATED NATIONAL NETWORK - **on national network for trucks** **0**
(20) TOLL **On Free Road** **3**
(21) MAINT - **01**
(22) OWNER - **01**
(37) HISTORICAL SIGNIFICANCE - **5**

CONDITION — CODE

(58) DECK **7**
(59) SUPERSTRUCTURE **5**
(60) SUBSTRUCTURE **5**
(61) CHANNEL & CHANNEL PROTECTION **5**
(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-29** **52**
(65) INVENTORY RATING METHOD - **1**
(66) INVENTORY RATING **HS-17** **31**
(70) BRIDGE POSTING **No Posting Required** **5**
(41) STRUCTURE OPEN, POSTED, OR CLOSED **A**
DESCRIPTION **Open, no restriction**

APPRAISAL — CODE

(67) STRUCTURAL EVALUATION **5**
(68) DECK GEOMETRY **4**
(69) UNDERCLEARANCES, VERT & HORIZ **N**
(71) WATERWAY ADEQUACY **8**
(72) APPROACH ROADWAY ALIGNMENT **8**
(36) TRAFFIC SAFETY FEATURES **0010**
(113) SCOUR CRITICAL BRIDGES **8**

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 **5,400** YEAR OF FUTURE ADT **2040**

INSPECTION

(90) INSPECTION DATE **03/22** (91) FREQUENCY **24**
(92) CRITICAL FEATURE INSPECTION (93) CFI DATE
A) FRACTURE CRIT DETAIL A)
B) UNDERWATER INSP **60** B) **03/20**
C) OTHER SPECIAL INSP C)
SCOUR

Superstructure Build Details

Span Number 1 **Span Length** 45.0000 **Skew** 105.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	180 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1418 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	90 Feet		
1	Asphalt Wearing Surface	Wearing Surface	1268 Square Feet		

Span Number 2 **Span Length** 45.0000 **Skew** 105.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1418 Square Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	180 Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	90 Feet		
1	Asphalt Wearing Surface	Wearing Surface	1268 Square Feet		
1	Standard Joint	Pourable Joint Seal	30 Feet		

Span Number 3 **Span Length** 45.0000 **Skew** 105.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1418 Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	1268 Square Feet		
1	Standard Joint	Pourable Joint Seal	30 Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	90 Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	180 Feet		

Span Number 4 **Span Length** 45.0000 **Skew** 105.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	180 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1418 Square Feet		

Superstructure Build Details

1	Asphalt Wearing Surface	Wearing Surface	1268 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	90 Feet		
1	Standard Joint	Pourable Joint Seal	30 Feet		

Span Number 5 **Span Length** 45.0000 **Skew** 105.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1268 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	90 Feet		
1	Standard Joint	Pourable Joint Seal	30 Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	180 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1418 Square Feet		

Span Number 6 **Span Length** 45.0000 **Skew** 105.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1268 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	90 Feet		
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	180 Feet		
1	Standard Joint	Pourable Joint Seal	30 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1418 Square Feet		

Span Number 7 **Span Length** 45.0000 **Skew** 105.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	180 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1418 Square Feet		
1	Epoxy Wearing Surface	Wearing Surface	1268 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	90 Feet		

Superstructure Build Details

1	Standard Joint	Pourable Joint Seal	30 Feet		

Structure Element Scoring

Structure Number: **630029**

Inspection Date **3/10/2022**

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	9926	9890	24	12	0
110	0	Reinforced Concrete Open Girder/Beam	Beam	1260	470	720	63	7
205	0	Reinforced Concrete Column	Piles and Columns	12	1	2	9	0
215	0	Reinforced Concrete Abutment	Abutments	72	62	10	0	0
220	0	Reinforced Concrete Pile Cap/Footing	Footing	60	50	0	10	0
225	0	Steel Pile	Piles and Columns	16	16	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	236	146	59	31	0
301	0	Pourable Joint Seal	Expansion Joints	180	180	0	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	630	0	628	2	0
510	0	Wearing Surface	Wearing Surfaces	8876	8489	17	370	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **630029** Inspection Date: **03/10/2022**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Exposed Rebar	36 Square Feet
3306	Reinforced Concrete Open Girder/Beam	Cracking (RC and Other)	20 Feet
3306	Reinforced Concrete Open Girder/Beam	Delamination/Spall	5 Feet
3306	Reinforced Concrete Open Girder/Beam	Patched Area	12 Feet
3306	Reinforced Concrete Open Girder/Beam	Exposed Rebar	47 Feet
3348	Reinforced Concrete Column	Delamination/Spall	3 Each
3348	Reinforced Concrete Column	Cracking (RC and Other)	4 Each
3348	Reinforced Concrete Column	Exposed Rebar	33 Each
3348	Reinforced Concrete Pile Cap/Footing	Abrasion/Wear (PSC/RC)	10 Feet
3348	Reinforced Concrete Pier Cap	Exposed Rebar	8 Feet
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	13 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	13 Feet
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	632 Feet
3318	Reinforced Concrete Bridge Railing	Exposed Rebar	7 Feet
2816	Wearing Surface	Crack (Wearing Surface)	461 Square Feet
2816	Wearing Surface	Delamination/Spall (Wearing Surfaces)	2 Square Feet
2816	Wearing Surface	Patched Area/Pothole (Wearing Surface)	3 Square Feet

Element Structure Maintenance Quantities

Structure Number: **630029** Inspection Date **03/10/2022**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	0	72	0	0	10	62
Beam	3306	Maintenance Concrete Superstructure Components	80	1260	7	63	720	470
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	639	630	0	2	628	0
Caps	3348	Maintenance of Concrete Substructure	34	236	0	31	59	146
Deck	3326	Maintenance of Concrete Deck	36	9926	0	12	24	9890
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	180	0	0	0	180
Footing	3348	Maintenance of Concrete Substructure	10	60	0	10	0	50
Piles and Columns	3348	Maintenance of Concrete Substructure	40	12	0	9	2	1
Piles and Columns	3354	Maintenance of Steel Substructure Components	0	16	0	0	0	16
Wearing Surfaces	2816	Asphalt Surface Repair	382	8876	0	370	17	8489

Priority Actions Request

Structure Number 630029

Span1

3306 **Beam 3** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	1	Span 1 Beam 3: 6" LONG x 19" TALL SPALLING AND AREA OF DELAMINATION ON BEAM END OVER BENT 1, RIGHT (PAR)

Span2

3306 **Beam 4** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 2 Beam 4: 2 1/2" x 5" x 1/2" deep spall with exposed rebar on left side of beam at Bent 2 (PAR)

Span4

3306 **Beam 2** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	[PROMPT ACTION REQUEST] 8" x 18" x 4 1/2" DEEP SPALL WITH EXPOSED REBAR WITH 19" x 19" AREA OF PATCH ON LEFT SIDE OF BEAM END AT BENT 4; RIGHT SIDE SIMILAR

3306 **Beam 3** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 4 Beam 3: [PROMPT ACTION REQUEST] 7" x 9" x 5" DEEP SPALL WITH EXPOSED REBAR WITH 19" x 19" AREA OF PATCH ON LEFT SIDE OF BEAM END AT BENT 4; RIGHT SIDE SIMILAR

Span5

3306 **Beam 1** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	3	Span 5 Beam 1: [PROMPT ACTION REQUEST] 32" x 18" x 3" DEEP SPALL WITH EXPOSED REBAR ON BOTTOM OF GIRDER WITH 12" x 4" x 5" DEEP SPALL ON LEFT SIDE OF BEAM END AT BENT 5 WITH VOIDS RESULTING FROM POOR CONSOLIDATION. APPROXIMATELY 50% OF BEARING AREA HAS BEEN LOST. THERE IS UP TO 50% SECTION LOSS ON THE SECONDARY REINFORCING.
2	Exposed Rebar	3	Span 5 Beam 1: [PROMPT ACTION REQUEST] 26" x 14" x 3 1/2" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT MIDSPAN. THERE ARE VOIDS AROUND THE REBAR AS A RESULT OF POOR CONSOLIDATION. THE SECONDARY REINFORCING HAS UP PTO 50% SECTION LOSS.

3306 **Beam 2** Reinforced Concrete Girder

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

Priority Actions Request

Structure Number **630029**

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 5 Beam 2: [PROMPT ACTION REQUEST] 6" LONG x 18" TALL x 4" DEEP SPALL WITH EXPOSED REBAR WITH ADJACENT 16" x 10" AREA OF PATCH ON RIGHT SIDE OF BEAM END AT BENT 5, NO MEASURABLE SECTION LOSS

3306 **Beam 3** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	2	Span 5 Beam 3: [PROMPT ACTION REQUEST] 7" LONG x 18" TALL x 5" DEEP SPALL WITH EXPOSED REBAR WITH ADJACENT 16" x 20" AREA OF PATCH ON LEFT SIDE OF BEAM END AT BENT 5, NO MEASURABLE SECTION LOSS

3306 **Beam 4** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	3	Span 5 Beam 4: [PROMPT ACTION REQUEST] 3' x 15" x 5" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT 15' FROM BENT 4, NO MEASURABLE SECTION LOSS
2	Exposed Rebar	4	Span 5 Beam 4: [PROMPT ACTION REQUEST] 3.5' x 18" x 4" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT MIDSPAN. THERE ARE VOIDS IN THE CONCRETE RESULTING FROM POOR CONSOLIDATION. THE SECONDARY REINFORCING HAS UP TO 50% SECTION LOSS.

Span6

3306 **Beam 1** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 6 Beam 1: [PROMPT ACTION REQUEST] 7" LONG x 12" TALL x 3" DEEP SPALL WITH EXPOSED REBAR ON LEFT SIDE OF BEAM END AT BENT 6, NO MEASURABLE SECTION LOSS

3306 **Beam 2** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 6 Beam 2: [PROMPT ACTION REQUEST] 5" LONG x 19" TALL x 2 1/2" DEEP SPALL WITH EXPOSED REBAR ON BOTH SIDES OF BEAM END AT BENT 6, NO MEASURABLE SECTION LOSS

3306 **Beam 3** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 6 Beam 3: [PROMPT ACTION REQUEST] 5" LONG x 19" TALL x 4" DEEP SPALL WITH EXPOSED REBAR [NO MEASURABLE SECTION LOSS] ON LEFT SIDE OF BEAM END AT BENT 6 AND 8" LONG x 10" TALL x 2 1/2" DEEP SPALL WITH EXPOSED REBAR [NO MEASURABLE SECTION LOSS] ON RIGHT SIDE OF BEAM END OVER BENT 6

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

Priority Actions Request

Structure Number **630029**

Span7

3306 **Beam 1** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 7 Beam 1: 2" x 11" x 4" deep spall with exposed rebar on left side of beam at Bent 6 (PAR)

3306 **Beam 2** Reinforced Concrete Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Span 7 Beam 2: 4" LONG x 19" TALL x 3 1/2" DEEP SPALL WITH EXPOSED REBAR ON RIGHT SIDE OF BEAM END AT BENT 6 (PAR)

Bent 2

3348 **Pile 1** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	4	Bent 2 Pile 1: 44" x 9" x 8" SPALL WITH EXPOSED REBAR ON Northwest CORNER (PAR)

3348 **Pile 2** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	5	Bent 2 Pile 2: [PROMPT ACTION REQUEST] 50" x 10" x 8" SPALL WITH EXPOSED REBAR ON Southwest CORNER

Bent 3

3348 **Pile 2** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	6	Bent 3 Pile 2: [PROMPT ACTION REQUEST] 2' DOWN FROM CAP, [2] AREAS OF SPALLING WITH EXPOSED REBAR AND AREA OF DELAMINATION UP TO 3' HIGH x 12" WIDE x 3" DEEP WITH NO MEASURABLE SECTION LOSS ON Span 4 FACE

Bent 4

3348 **Pile 2** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	5	Bent 4 Pile 2: [PROMPT ACTION REQUEST] 4.5' x 7" x 8" DEEP SPALL WITH EXPOSED REBAR ON Southeast CORNER

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

Priority Actions Request

Structure Number **630029**

Bent 5

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Delamination/Spall	3	Bent 5 Cap 1: 32" x 14" x 3" DEEP SPALL AND DELAMINATED AREA ON WEST FACE UNDER GIRDER 4 (PAR)

3348 **Pile 1** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	4	Bent 5 Pile 1: 37" x 5" x 2 1/1" deep spall with exposed rebar and area of delamination on Northeast corner (PAR)

3348 **Pile 2** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	5	Bent 5 Pile 2: [PROMPT ACTION REQUEST] 4.75' x 8" x 8" SPALL WITH EXPOSED REBAR AND AREA OF DELAMINATION ON Southeast CORNER

Bent 6

3348 **Cap 1** Reinforced Concrete Pier Cap

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	2	Bent 6 Cap 1: 18" x 9" x 3" DEEP SPALL WITH EXPOSED REBAR ON EAST FACE UNDER GIRDER 3 (PAR)

3348 **Pile 2** Reinforced Concrete Column

Priority Level	Defect Type	Quantity	Defect Description
2	Exposed Rebar	1	Bent 6 Pile 2: 12" x 6" x 1 1/2" DEEP SPALL WITH EXPOSED REBAR ON Northwest CORNER AT STRUT (PAR)

Slope Protection

3352 **Slope Protection** Slope Protection

Priority Level	Defect Type	Quantity	Defect Description
2		6	2' x 18" deep undermining under End Bent 2 slope at North end (South end similar) (PAR)
2		8	4' x 1' deep undermining under End Bent 1 slope at North end (South end similar) (PAR)

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

Priority Actions Request

Structure Number 630029

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

Element Condition and Maintenance Data

Structure Number: **630029** Inspection Date: **03/10/2022**

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	45	20	25	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	1/64" VERTICAL CRACKING AT RANDOM AREAS	2	25		Feet

General Comments

Span 1 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	45	19	25	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	1/16" DIAGONAL CRACKING ON BOTH SIDES OF BEAM END OVER BENT 1	3	1	1	Feet
110	Cracking (RC and Other)	1/64" VERTICAL CRACKING AT RANDOM AREAS	2	25		Feet

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	45	18	25	2	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	1/16" DIAGONAL CRACKING ON BOTH SIDES OF BEAM END OVER BENT 1	3	1	1	Feet
110	Delamination/Spall	6" LONG x 19" TALL SPALLING AND AREA OF DELAMINATION ON BEAM END OVER BENT 1, RIGHT (PAR)	3	1	1	Feet
110	Cracking (RC and Other)	1/64" VERTICAL CRACKING AT RANDOM AREAS	2	25		Feet

General Comments

Span 1 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	45	19	25	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Delamination/Spall	6" LONG x 6" TALL SPALLING UP TO 2" DEEP AND ARE OF DELAMINATION ON BEAM END OVER BENT 1, LEFT SIDE	3	1	1	Feet
110	Cracking (RC and Other)	1/64" VERTICAL CRACKING AT RANDOM AREAS	2	25		Feet

General Comments

Span 1 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,268	1,193	0	75	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**28 square feet up to 1/8" transverse crack at End Bent 1**	3	28	28	Square Feet
510	**Crack (Wearing Surface)**	**47 square feet up to 1/16" longitudinal crack**	3	47	47	Square Feet

General Comments

Span 1 — Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	45	0	45	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**SCALING THROUGHOUT RAIL**	2	43	43	Feet
331	**Exposed Rebar**	**(3) UP TO 5" x 1" x 1/4" DEEP SPALLS WITH EXPOSED REBAR ON CURB NEAR POST 7**	2	2	2	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	45	0	44	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Exposed Rebar**	**12" x 11" x 5" DEEP SPALL WITH EXPOSED REBAR ON POST 2**	3	1	1	Feet
331	**Delamination/Spall**	**SCALING THROUGHOUT RAIL**	2	44	44	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	1,268	1,209	0	59	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**29 square feet up to 1/16" transverse crack at Bent 1**	3	29	29	Square Feet
510	**Crack (Wearing Surface)**	**30 square feet up to 1/16" longitudinal crack**	3	30	30	Square 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	45	0	45	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**2" x 2" x 1/2" deep spall on rail between Posts 2 and 3**	2	1	1	Feet
331	**Delamination/Spall**	**3" x 2" x 1/2" deep spall on rail between Posts 5 and 6**	2	1	1	Feet
331	**Delamination/Spall**	**SCALING THROUGHOUT RAIL**	2	43	45	Feet

General Comments

Span 2 — Right Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	45	0	44	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Exposed Rebar**	**3" x 2" x 1 1/2" deep spall with exposed rebar on rail at Post**	3	1	1	Feet
331	**Delamination/Spall**	**SCALING THROUGHOUT RAIL**	2	44	45	Feet

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	45	20	25	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet

General Comments

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	45	20	25	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		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	45	19	25	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Delamination/Spall**	**2 1/2" LONG x 18" TALL x 1 1/2" DEEP SPALL AND AREA OF DELAMINATION ON LEFT SIDE OF BEAM END OVER BENT 2**	3	1	1	Feet
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		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	45	18	26	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Exposed Rebar**	**2 1/2" x 5" x 1/2" deep spall with exposed rebar on left side of beam at Bent 2 (PAR)**	3	1	1	Feet
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet
110	**Cracking (RC and Other)**	**HAIRLINE DIAGONAL CRACKING ON LEFT SIDE OF BEAM AT BENT 2**	2	1		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	1,268	1,195	2	71	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**1/8" TRANSVERSE CRACK OVER BENT 2**	3	28	28	Square Feet
510	**Crack (Wearing Surface)**	**40 square feet up to 1/16" longitudinal crack**	3	40	40	Square Feet
510	**Patched Area/Pothole (Wearing Surface)**	**(2) UP TO 36" x 5" x 2 1/2" DEEP POTHOLE IN WEST BOUND LANE AT BENT 2**	3	3	3	Square Feet
510	**Delamination/Spall (Wearing Surfaces)**	**(4) up to 23" x 3" x 1/2" deep area of missing asphalt wearing surface, 20' from Bent 2**	2	2	2	Square 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	45	0	45	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**6" x 3 1/2" x 1/2" deep spall on rail between Posts 8 and 9**	2	1	1	Feet

331	**Delamination/Spall**	**SCALING THROUGHOUT RAIL**	2	44	45	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	45	0	45	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**SCALING THROUGHOUT RAIL**	2	45	45	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	45	20	25	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet

General Comments

Span 3 — 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	45	16	26	3	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**1/8" DIAGONAL CRACKING ALONG BEAM END AT BENT 3**	3	1	1	Feet
110	**Patched Area**	**18" x 19" area of delaminated patch on left side of beam at Bent 3**	3	2	2	Feet
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet
110	**Delamination/Spall**	**1" x 3" x 1/2" deep spall on right side of beam at Bent 2**	2	1	1	Feet

General Comments

Span 3 — 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	45	19	26	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet
110	**Cracking (RC and Other)**	**HAIRLINE DIAGONAL CRACKING ALONG LEFT SIDE OF BEAM AT BENT 3**	2	1		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	45	20	25	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet

General Comments

Span 4 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,418	1,411	0	7	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Exposed Rebar**	**(2) up to 20" x 17" x 2 1/2" deep spalls with exposed rebar on bottom of deck in Bay 3 near Bent 4**	3	4	4	Square Feet
12	**Exposed Rebar**	**20" x 17" x 2 1/2" deep spall with exposed rebar on bottom of deck in Bay 1 near Bent 4**	3	3	3	Square Feet

General Comments

Span 4 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,268	1,215	5	48	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**1/8" TRANSVERSE CRACK OVER BENT 3**	3	28	28	Square Feet
510	**Crack (Wearing Surface)**	**20 square feet up to 1/16" longitudinal crack**	3	20	20	Square Feet
510	**Patched Area/Pothole (Wearing Surface)**	**4" x 2" DEEP POTHOLE IN WEST BOUND LANE AT BENT 3**	2	5		Square Feet

General Comments

Span 4 Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	45	0	45	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**SCALING THROUGHOUT RAIL**	2	45	45	Feet

General Comments

Span 4 — Right Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	45	0	45	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**SCALING THROUGHOUT RAIL**	2	45	45	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	45	16	26	3	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**GIRDER END AT BENT 4, LEFT SIDE, DIAGONAL CRACKING TO 3/16" WIDE x APPROXIMATELY 15" LONG WITH ASSOCIATEED DELAMINATION**	3	1	1	Feet
110	**Cracking (RC and Other)**	**GIRDER END AT BENT 4, LOWER RIGHT CORNER, MAP CRACKING TO 1/16" WIDE WITH ASSOCIATED DELAMINATION, APPROXIMATELY 1 SQUARE FEET TOTAL**	3	1	1	Feet
110	**Cracking (RC and Other)**	**GIRDER END AT BENT 4, RIGHT SIDE, DIAGONAL CRACKING TO 1/8" WIDE x APPROXIMATELY 12" LONG WITH APPROXIMATELY 1/4 SQUARE FEET DELAMINATION**	3	1	1	Feet
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet
110	**Cracking (RC and Other)**	**9" hairline longitudinal crack on bottom of beam at Bent 4**	2	1		Feet

General Comments

Span 4 — 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	45	13	25	7	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Exposed Rebar**	**[PROMPT ACTION REQUEST] 8" x 18" x 4 1/2" DEEP SPALL WITH EXPOSED REBAR WITH 19" x 19" AREA OF PATCH ON LEFT SIDE OF BEAM END AT BENT 4; RIGHT SIDE SIMILAR**	3	1	1	Feet
110	**Patched Area**	**6' x 6" area of delaminated patch on Bent 4 diaphragm in Bay 2**	3	6	6	Feet
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		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	45	14	25	6	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Exposed Rebar**	**[PROMPT ACTION REQUEST] 7" x 9" x 5" DEEP SPALL WITH EXPOSED REBAR WITH 19" x 19" AREA OF PATCH ON LEFT SIDE OF BEAM END AT BENT 4; RIGHT SIDE SIMILAR**	3	1	1	Feet
110	**Exposed Rebar**	**30" x 5" x 1 1/2" deep spall with exposed rebar and area of delamination on Bent 3 diaphragm in Bay 3**	3	3	3	Feet
110	**Patched Area**	**18" x 18" area of delaminated patch on right side of beam at Bent 4**	3	2	2	Feet
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		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	45	19	25	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**1/8" DIAGONAL CRACKING ALONG BOTH SIDES OF BEAM END AT BENT 4**	3	1	1	Feet
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet

General Comments

Span 5 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,418	1,408	10	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Exposed Rebar**	**6" X 4" X 1/2" DEEP MINOR POPOUTS WITH EXPOSED REBAR IN OVERHANGS AT RANDOM AREAS**	2	10	10	Square Feet

General Comments

Span 5 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,268	1,239	0	29	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**29 square feet up to 1/16" transverse crack with (2) up to 42" x 3" x 1" dee area of missing asphalt wearing surface at Bent 4**	3	29	29	Square Feet

General Comments

Span 5 Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	45	0	45	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Cracking (RC and Other)**	**8" hairline vertical crack on Post 3 (Post 4 similar)**	2	2		Feet
331	**Delamination/Spall**	**5" x 4" x 1" deep spall on rail near Post 1**	2	1	1	Feet
331	**Delamination/Spall**	**SCALING THROUGHOUT RAIL**	2	42	45	Feet

General Comments

Span 5 Right Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	45	0	45	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**SCALING THROUGHOUT RAIL**	2	42	45	Feet
331	**Exposed Rebar**	**(5) up to 4 1/2" x 2" x 1/2" deep spalls with exposed rebar on curb face**	2	2	2	Feet
331	**Exposed Rebar**	**8" x 3" x 1/2" deep spall with exposed rebar on West face of Post 6 bracket**	2	1	1	Feet

General Comments

Span 5 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	45	14	25	0	6	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Exposed Rebar**	**[PROMPT ACTION REQUEST] 26" X 14" X 3 1/2" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT MIDSPAN. THERE ARE VOIDS AROUND THE REBAR AS A RESULT OF POOR CONSOLIDATION. THE SECONDARY REINFORCING HAS UP PTO 50% SECTION LOSS.**	4	3	3	Feet
110	**Exposed Rebar**	**[PROMPT ACTION REQUEST] 32" X 18" X 3" DEEP SPALL WITH EXPOSED REBAR ON BOTTOM OF GIRDER WITH 12" X 4" X 5" DEEP SPALL ON LEFT SIDE OF BEAM END AT BENT 5 WITH VOIDS RESULTING FROM POOR CONSOLIDATION. APPROXIMATELY 50% OF BEARING AREA HAS BEEN LOST. THERE IS UP TO 50% SECTION LOSS ON THE SECONDARY REINFORCING.**	4	3	3	Feet
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet

General Comments

Span 5 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	45	15	29	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Exposed Rebar**	**[PROMPT ACTION REQUEST] 6" LONG x 18" TALL x 4" DEEP SPALL WITH EXPOSED REBAR WITH ADJACENT 16" x 10" AREA OF PATCH ON RIGHT SIDE OF BEAM END AT BENT 5, NO MEASURABLE SECTION LOSS**	3	1	1	Feet
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet
110	**Exposed Rebar**	**(3) up to 2" x 7" x 1/2" deep spalls with exposed rebar on bottom of beam near Bent 4**	2	1	1	Feet
110	**Exposed Rebar**	**12" X 2" X 1/2" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT 6' FROM BENT 4**	2	1	1	Feet
110	**Patched Area**	**17" x 18" area of sound patch on left side of beam at Bent 5**	2	2		Feet

General Comments

Span 5 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	45	17	27	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Exposed Rebar**	**[PROMPT ACTION REQUEST] 7" LONG x 18" TALL x 5" DEEP SPALL WITH EXPOSED REBAR WITH ADJACENT 16" x 20" AREA OF PATCH ON LEFT SIDE OF BEAM END AT BENT 5, NO MEASURABLE SECTION LOSS**	3	1	2	Feet
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet
110	**Patched Area**	**14" x 18" area of sound patch on right side of beam at Bent 5**	2	2		Feet

General Comments

Span 5 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	45	9	28	8	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Delamination/Spall**	**3" x 12" x 3" deep spall on right side of beam at Bent 5**	3	1	1	Feet
110	**Exposed Rebar**	**[PROMPT ACTION REQUEST] 3' X 15" X 5" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT 15' FROM BENT 4, NO MEASURABLE SECTION LOSS**	3	3	3	Feet
110	**Exposed Rebar**	**[PROMPT ACTION REQUEST] 3.5' X 18" X 4" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT MIDSPAN. THERE ARE VOIDS IN THE CONCRETE RESULTING FROM POOR CONSOLIDATION. THE SECONDARY REINFORCING HAS UP TO 50% SECTION LOSS.**	3	4	4	Feet
110	**Cracking (RC and Other)**	**1/32" DIAGONAL CRACKING ON BEAM END AT BENT 5**	2	1		Feet
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet
110	**Patched Area**	**16" x 20" area of sound patch on left side of beam at Bent 5**	2	2		Feet

General Comments

Span 6 — Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,418	1,400	14	4	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Exposed Rebar**	**16" x 14" x 3" deep spall with exposed rebar on bottom of deck in Bay 3 near midspan (Bay 1 similar)**	3	4	4	Square Feet
12	**Exposed Rebar**	**UNDERSIDE OF THE RIGHT & LEFT OVERHANGS, SCATTERED EXPOSED REBAR UP TO 8" x 4" x 1" DEEP**	2	14	14	Square Feet

General Comments

Span 6 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,268	1,240	0	28	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**1/8" TRANSVERSE CRACK WITH (2) UP TO 56" x 6" x 2" DEEP AREAS OF MISSING ASPHALT WEATING SURFACE OVER BENT 5**	3	28	28	Square Feet

General Comments

Span 6 — Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	45	0	45	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**SCALING THROUGHOUT RAIL**	2	45	45	Feet

General Comments

Span 6 — Right Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	45	0	45	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**SCALING THROUGHOUT RAIL**	2	45	45	Feet

General Comments

Span 6 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	45	9	26	10	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	36" x 4" area of delamination with 1/16" horizontal crack on Bent 5 diaphragm in Bay 1	3	3	3	Feet
110	Cracking (RC and Other)	NEAR MIDSPAN, UNDERSIDE OF THE GIRDER, MAP CRACKING TO 1/16" WIDE WITH ASSOCIATED DELAMINATION AND SPALLING WITH EXPOSED REBAR UP TO 1" DEEP [APPROXIMATELY 2 SQUARE FEET TOTAL]	3	2	2	Feet
110	Exposed Rebar	[PROMPT ACTION REQUEST] 7" LONG X 12" TALL X 3" DEEP SPALL WITH EXPOSED REBAR ON LEFT SIDE OF BEAM END AT BENT 6, NO MEASURABLE SECTION LOSS	3	1	1	Feet
110	Exposed Rebar	16" x 14" x 1" deep spall with exposed rebar and area of delamination on bottom of beam near midspan	3	2	2	Feet
110	Patched Area	20" x 16" area of patch with 3 1/2" x 3" x 1/2" deep spall on bottom of beam near midspan	3	2	2	Feet
110	Cracking (RC and Other)	1/64" VERTICAL CRACKING AT RANDOM AREAS	2	25		Feet
110	Exposed Rebar	3" DIAMETER X 1/2" DEEP POPOUT WITH EXPOSED REBAR AT 2' FROM BENT 5	2	1	1	Feet

General Comments

Span 6 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	45	15	26	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Exposed Rebar	[PROMPT ACTION REQUEST] 5" LONG X 19" TALL X 2 1/2" DEEP SPALL WITH EXPOSED REBAR ON BOTH SIDES OF BEAM END AT BENT 6, NO MEASURABLE SECTION LOSS	3	1	1	Feet
110	Exposed Rebar	36" x 5" x 2" deep spall with exposed rebar and area of delamination on Bent 5 diaphragm in Bay 2	3	3	3	Feet
110	Cracking (RC and Other)	1/64" VERTICAL CRACKING AT RANDOM AREAS	2	25		Feet
110	Exposed Rebar	3" x 2 1/2" x 1/2" deep spall with exposed rebar on bottom of beam at Bent 6	2	1	1	Feet

General Comments

Span 6 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	45	13	29	3	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	Cracking (RC and Other)	(2) up to 11" long 1/16" horizontal cracks on right side of beam at Bent 6	3	2	2	Feet
110	Exposed Rebar	[PROMPT ACTION REQUEST] 5" LONG X 19" TALL X 4" DEEP SPALL WITH EXPOSED REBAR [NO MEASURABLE SECTION LOSS] ON LEFT SIDE OF BEAM END AT BENT 6 AND 8" LONG X 10" TALL X 2 1/2" DEEP SPALL WITH EXPOSED REBAR [NO MEASURABLE SECTION LOSS] ON RIGHT SIDE OF BEAM END OVER BENT 6	3	1	1	Feet

110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25	Feet
110	**Cracking (RC and Other)**	**4' hairline horizontal crack on West face of intermediate diaphragm in Bay 3**	2	4	Feet

General Comments

Span 6 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	45	16	25	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**4' x 6" DELAMINATED AREA WITH 1/8" HORIZONTAL CRACKING**	3	4	4	Feet
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet

General Comments

Span 7 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,418	1,417	0	1	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Exposed Rebar**	**14" x 9" x 1" DEEP, 8" DIAMETER x 1 1/2" DEEP, AND 2" x 6" x 1/2" DEEP SPALLS ALL EXPOSING REBAR AND AREA OF DELAMINATION IN RIGHT OVERHANG AT DRAIN 4**	3	1	1	Square Feet

General Comments

Span 7 Wearing Surface

Epoxy Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,268	1,198	10	60	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**30 square feet up to 1/8" transverse crack at End Bent 2**	3	30	30	Square Feet
510	**Crack (Wearing Surface)**	**30 square feet up to 1/8" transverse crack with (4) up to 12" x 3" x 2" deep area of missing asphalt wearing surface at Bent 6**	3	30	30	Square Feet
510	**Crack (Wearing Surface)**	**10 square feet hairline longitudinal cracks**	2	10	10	Square Feet

General Comments

Span 7 — Left Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	45	0	45	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Cracking (RC and Other)**	**(18) hairline vertical and transverse cracks on rail**	2	18		Feet
331	**Cracking (RC and Other)**	**(3) hairline transverse cracks on curb**	2	3		Feet
331	**Cracking (RC and Other)**	**18" x 12" area of hairline map cracking on curb at End Bent 2**	2	2		Feet
331	**Delamination/Spall**	**3" x 2" x 1" deep spall on Post 7**	2	1	1	Feet
331	**Delamination/Spall**	**SCALING THROUGHOUT RAIL**	2	21	45	Feet

General Comments

Span 7 — Right Bridge Rail

Concrete Railing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
331	Reinforced Concrete Bridge Railing	45	0	45	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**SCALING THROUGHOUT RAIL**	2	45	45	Feet

General Comments

Span 7 — 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	45	18	26	0	1	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Exposed Rebar**	**2" x 11" x 4" deep spall with exposed rebar on left side of beam at Bent 6 (PAR)**	4	1	1	Feet
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet
110	**Exposed Rebar**	**2" x 11" x 1/2" deep spall with exposed rebar and area of delamination on right side of beam at Bent 6**	2	1	1	Feet

General Comments

Span 7 — 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	45	19	25	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Exposed Rebar**	**4" LONG x 19" TALL x 3 1/2" DEEP SPALL WITH EXPOSED REBAR ON RIGHT SIDE OF BEAM END AT BENT 6 (PAR)**	3	1	1	Feet
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet

General Comments

Span 7 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	45	20	25	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet

General Comments

Span 7 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	45	15	25	5	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
110	**Exposed Rebar**	**3.5' x 24" x 3/4" DEEP SPALL WITH EXPOSED REBAR ON RIGHT SIDE AT 6' FROM END BENT 2, NO MEASURABLE SECTION LOSS**	3	4	7	Feet
110	**Exposed Rebar**	**MID Span ON THE RIGHT SIDE, TOP, SPALLING WITH EXPOSED REBAR [(2) UP TP APPROXIMATELY 8" DIAMETER x UP TO 3/4" DEEP], NO MEASURABLE SECTION LOSS**	3	1	1	Feet
110	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING AT RANDOM AREAS**	2	25		Feet

General Comments

Bent 1 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	28	14	11	3	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Delamination/Spall**	**34" X 11" AREA OF DELAMINATION ON WEST FACE UNDER GIRDER 1**	3	3	3	Feet
234	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING**	2	10		Feet
234	**Exposed Rebar**	**EAST FACE, LEFT CORBEL, SPALLING WITH EXPOSED REBAR [APPROXIMATELY 4" X 3" X 1" DEEP], NO MEASURABLE SECTION LOSS**	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	0	1	0	Each

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

205	**Exposed Rebar**	**EAST FACE ON THE STRUCT, SPALLING WITH EXPOSED REBAR [APPROXIMATELY (3) UP TO 12" x 4" x 1" DEEP], NO MEASURABLE SECTION LOSS**	3	1	3	Each
205	**Cracking (RC and Other)**	**1/16" VERTICAL CRACKING**	2			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" VERTICAL CRACKING**	2	1		Each

General Comments

Vegetation growth

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	34	24	10	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Cracking (RC and Other)**	**1/16" HORIZONTAL AND 1/64" VERTICAL CRACKING**	2	10		Feet

General Comments

Vegetation growth at South end

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	36	28	8	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING IN BACKWALL**	2	8		Feet

General Comments

Vegetation growth at South 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	28	17	8	3	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Delamination/Spall**	**20" X 12" X 8" DEEP SPALL AND DELAMINATED AREA ON WEST FACE UNDER GIRDER 3**	3	2	2	Feet
234	**Exposed Rebar**	**WEST FACE, LEFT END, CORBEL, SPALLING WITH EXPOSED REBAR [APPROXIMATELY 12" x 12" x 1" DEEP]**	3	1	1	Feet
234	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING**	2	7		Feet

234	**Delamination/Spall**	**3 1/2" x 3" x 1/2" deep spall on Span 3 face under Bay 2**	2	1	1	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	**Exposed Rebar**	**44" x 9" x 8" SPALL WITH EXPOSED REBAR ON Northwest CORNER (PAR)**	3	1	4	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)**	**38" x 18" area of delamination with 1/16" transverse cracks on top of strut between Columns 1 and 2**	3		4	Each
205	**Exposed Rebar**	**[PROMPT ACTION REQUEST] 50" X 10" X 8" SPALL WITH EXPOSED REBAR ON SOUTHWEST CORNER**	3	1	5	Each
205	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.125 INCH	2			Each
205	**Cracking (RC and Other)**	**19" hairline vertical crack on Span 2 face at corbel (South face similar)**	2			Each

General Comments

End Bent 2 — Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	34	25	0	9	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Cracking (RC and Other)**	**1/16" HORIZONTAL AND 1/64" VERTICAL CRACKING UNDER Bays 1 AND 3**	3	6	6	Feet
234	**Cracking (RC and Other)**	**2.5' x 8" x 5" DELAMINATION AND UP TO 1/16" CRACKING IN Bay 1**	3	3	3	Feet

General Comments

Vegetation growth at North end

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	36	34	2	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING IN BAY 3 BACKWALL**	2	2		Feet

General Comments

Vegetation growth at North end

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	28	20	5	3	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Exposed Rebar**	**32" X 14" X 3 1/2" DEEP SPALL WITH EXPOSED REBAR ON WEST FACE UNDER GIRDER 4**	3	3	3	Feet
234	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING**	2	5		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	
205	**Abrasion/Wear (PSC/RC)**	**SCALING ALONG THE BOTTOM OF COLUMN**	2	1		Each

General Comments

Bent 3 — Pile 2

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	Delamination/Spall	UNDERWATER INSPECTION: FACES 2 AND 3 HAVE RANDOM 10 INCH HIGH X 4 INCHES WIDE X 4 INCHES DEEP CORNER SPALLS AT FOOTING/COLUMN JUNCTION.	3		2	Each
205	**Exposed Rebar**	**[PROMPT ACTION REQUEST] 2' DOWN FROM CAP, [2] AREAS OF SPALLING WITH EXPOSED REBAR AND AREA OF DELAMINATION UP TO 3' HIGH x 12" WIDE x 3" DEEP WITH NO MEASURABLE SECTION LOSS ON Span 4 FACE**	3	1	6	Each
205	**Abrasion/Wear (PSC/RC)**	**SCALING ALONG BOTTOM OF COLUMN**	2			Each

General Comments

Bent 3 — Footing

Reinforced Concrete Footing

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
220	Reinforced Concrete Pile Cap/Footing	10	0	0	10	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
220	Abrasion/Wear (PSC/RC)	UNDERWATER INSPECTION: ABRASION UP TO 0.125 INCH FROM MUDLINE TO TOP OF FOOTING.	3	10	10	Feet

General Comments

Bent 4 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	28	19	8	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Delamination/Spall**	**5" x 33" x 2" DEEP SPALL ON WEST FACE UNDER GIRDER 1**	3	1	1	Feet
234	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING**	2	7		Feet
234	**Exposed Rebar**	**WEST FACE AT RIGHT CORBEL, SPALLING WITH EXPOSED REBAR [APPROXIMATELY 6" DIAMETER X 1/2" DEEP], NO MEASURABLE SECTION LOSS**	2	1	1	Feet

General Comments

Bent 4 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	**Delamination/Spall**	**3" x 5" x 1 1/2" deep spall on Northwest corner**	3	1	1	Each

General Comments

Bent 4 Pile 2

Reinforced Concrete Column

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
205	**Exposed Rebar**	**[PROMPT ACTION REQUEST] 4.5' X 7" X 8" DEEP SPALL WITH EXPOSED REBAR ON SOUTHEAST CORNER**	3	1	5	Each

General Comments

Bent 5 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	28	9	10	9	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Cracking (RC and Other)**	**40" x 7" AREA OF DELAMINATION WITH 1/8" HORIZONTAL CRACK ON EAST FACE UNDER Bay 2**	3	4	4	Feet
234	**Delamination/Spall**	**20" X 10" X 2" DEEP SPALL ON WEST FACE UNDER GIRDER 1**	3	2	2	Feet
234	**Delamination/Spall**	**32" x 14" x 3" DEEP SPALL AND DELAMINATED AREA ON WEST FACE UNDER GIRDER 4 (PAR)**	3	3	3	Feet

234	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING**	2	6	Feet
234	**Cracking (RC and Other)**	**12" hairline horizontal crack on Span 6 face under Bay 3**	2	1	Feet
234	**Patched Area**	**34" x 7" x 5" DEEP SPALL ON WEST FACE UNDER GIRDER 2 (PATCHED)**	2	3	Feet

General Comments

Bent 5 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	**Exposed Rebar**	**37" x 5" x 2 1/2" deep spall with exposed rebar and area of delamination on Northeast corner (PAR)**	3	1	4	Each

General Comments

Bent 5 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	**Exposed Rebar**	**[PROMPT ACTION REQUEST] 4.75' x 8" x 8" SPALL WITH EXPOSED REBAR AND AREA OF DELAMINATION ON Southeast CORNER**	3	1	5	Each

General Comments

Bent 6 Cap 1

Reinforced Concrete Pier Cap

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
234	Reinforced Concrete Pier Cap	28	18	7	3	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Delamination/Spall**	**12" x 4" x 2" deep spall on Span 7 face under Beam 4**	3	1	1	Feet
234	**Exposed Rebar**	**18" x 9" x 3" DEEP SPALL WITH EXPOSED REBAR ON EAST FACE UNDER GIRDER 3 (PAR)**	3	2	2	Feet
234	**Cracking (RC and Other)**	**1/64" VERTICAL CRACKING**	2	6		Feet
234	**Delamination/Spall**	**7" x 2" x 1" deep spall on Span 7 face under Beam 2**	2	1		Feet

General Comments

Bent 6 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	**Exposed Rebar**	**12" x 6" x 1 1/2" DEEP SPALL WITH EXPOSED REBAR AND AREA OF DELAMINATION ON Northwest CORNER AT STRUT (PAR)**	3	1	1	Each

General Comments

Vegetation growth

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1418
Span 1	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 1	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 1	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 1	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	45
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	45
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1268
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1418
Span 2	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 2	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 2	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 2	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	45
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	45
Span 2	Expansion Joint	Standard Joint	Pourable Joint Seal	30
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1268
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1418
Span 3	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 3	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 3	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 3	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	45
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	45
Span 3	Expansion Joint	Standard Joint	Pourable Joint Seal	30
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1268
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1418
Span 4	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 4	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 4	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 4	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	45
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	45
Span 4	Expansion Joint	Standard Joint	Pourable Joint Seal	30
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1268
Span 5	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1418
Span 5	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 5	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 5	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 5	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 5	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	45
Span 5	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	45
Span 5	Expansion Joint	Standard Joint	Pourable Joint Seal	30
Span 5	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1268
Span 6	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1418

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 6	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 6	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 6	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 6	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 6	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	45
Span 6	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	45
Span 6	Expansion Joint	Standard Joint	Pourable Joint Seal	30
Span 6	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1268
Span 7	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1418
Span 7	Beam 1	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 7	Beam 2	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 7	Beam 3	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 7	Beam 4	Reinforced Concrete Girder	Reinforced Concrete Open Girder/Beam	45
Span 7	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	45
Span 7	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	45
Span 7	Expansion Joint	Standard Joint	Pourable Joint Seal	30
Span 7	Wearing Surface	Epoxy Wearing Surface	Wearing Surface	1268
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
Bent 1	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 1	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	34
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	36
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
Bent 2	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 2	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	34
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	36
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
Bent 3	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 3	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
Bent 4	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 4	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 5	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
Bent 5	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 5	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 6	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	28
Bent 6	Pile 1	Reinforced Concrete Column	Reinforced Concrete Column	1
Bent 6	Pile 2	Reinforced Concrete Column	Reinforced Concrete Column	1

General Inspection Notes

Bent 6 Pile 1

Vegetation growth

National Bridge and NC Inspection Items

Structure Number: 630029 **Inspection Date:** 03/10/2022

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**7**
Item 59: Superstructure	0 - 9 , N	**5**
Item 60: Substructure	0 - 9 , N	**5**
Item 61: Channel and Channel Protection	0 - 9 , N	**5**
Item 62: Culvert	0 - 9 , N	**N**
Item 71: Waterway Adequacy	0 - 9 , N	**8**
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	**F**		
Slope Protection	G, F, P, or C	**F**	**7**	**3352**
Scour	G, F, P, or C	**G**		
Wingwall	G, F, P, or C	**F**	**2**	**3350**
Field Scour Evaluation		**O**		
Drift	G, F, P, or C	**G**	**0**	**3366**
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				

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	**7**
Traffic Control Time	Hours	**5**
Snooper Time	Hours	**4**
Ladder Used	YES/NO	**N**
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	**Y**

National Bridge and NC SMU Inspection Item Details

Structure Number: 630029 **Inspection Date:** 03/10/2022

Item	Slope Protection	**Grade**	F	**Maint Code**	3352	**Qty.**	7
Details	4' x 1' deep undermining under End Bent 1 slope protection at North end (South end similar) (PAR)						
	2' x 18" deep undermining under End Bent 2 slope protection at North end (South end similar) (PAR)						

Item	Utilities	**Grade**	F	**Maint Code**		**Qty.**	0
Details	Disconnected utility in Span 5 (Span 4 similar)						

Item	Wingwalls	**Grade**	F	**Maint Code**	3350	**Qty.**	2
Details	(2) up to 5" x 2" x 1" deep spalls on Northwest wingwall						
	14" x 13" x 1 1/2" deep spall on Southeast wingwall						

Item	Portion of structure in > 3' of water (Y or N)	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	Bents 2-4 have portions up to 7' of water						

Span 7 Beam 1: 2" x 11" x 4" deep spall with exposed rebar on left side of beam at Bent 6 (PAR)

Span 6 Beam 1: [PROMPT ACTION REQUEST] 7" LONG x 12" TALL x 3" DEEP SPALL WITH EXPOSED REBAR ON LEFT SIDE OF BEAM END AT BENT 6, NO MEASURABLE SECTION LOSS

Span 6 Beam 2: [PROMPT ACTION REQUEST] 5" LONG x 19" TALL x 2 1/2" DEEP SPALL WITH EXPOSED REBAR ON BOTH SIDES OF BEAM END AT BENT 6, NO MEASURABLE SECTION LOSS

Span 7 Beam 2: 4" LONG x 19" TALL x 3 1/2" DEEP SPALL WITH EXPOSED REBAR ON RIGHT SIDE OF BEAM END AT BENT 6 (PAR)

Span 6 Beam 3: [PROMPT ACTION REQUEST] 5" LONG x 19" TALL x 4" DEEP SPALL WITH EXPOSED REBAR [NO MEASURABLE SECTION LOSS] ON LEFT SIDE OF BEAM END AT BENT 6 AND 8" LONG x 10" TALL x 2 1/2" DEEP SPALL WITH EXPOSED REBAR [NO MEASURABLE SECTION LOSS] ON RIGHT SIDE OF BEAM END OVER BENT 6

Span 6 Beam 3: [PROMPT ACTION REQUEST] 5" LONG x 19" TALL x 4" DEEP SPALL WITH EXPOSED REBAR [NO MEASURABLE SECTION LOSS] ON LEFT SIDE OF BEAM END AT BENT 6 AND 8" LONG x 10" TALL x 2 1/2" DEEP SPALL WITH EXPOSED REBAR [NO MEASURABLE SECTION LOSS] ON RIGHT SIDE OF BEAM END OVER BENT 6

Span 6 Beam 3: (2) up to 11" long 1/16" horizontal cracks on right side of beam at Bent 6

Span 7 Deck: 14" x 9" x 1" DEEP, 8" DIAMETER x 1 1/2" DEEP, AND 2" x 6" x 1/2" DEEP SPALLS ALL EXPOSING REBAR AND AREA OF DELAMINATION IN RIGHT OVERHANG AT DRAIN 4

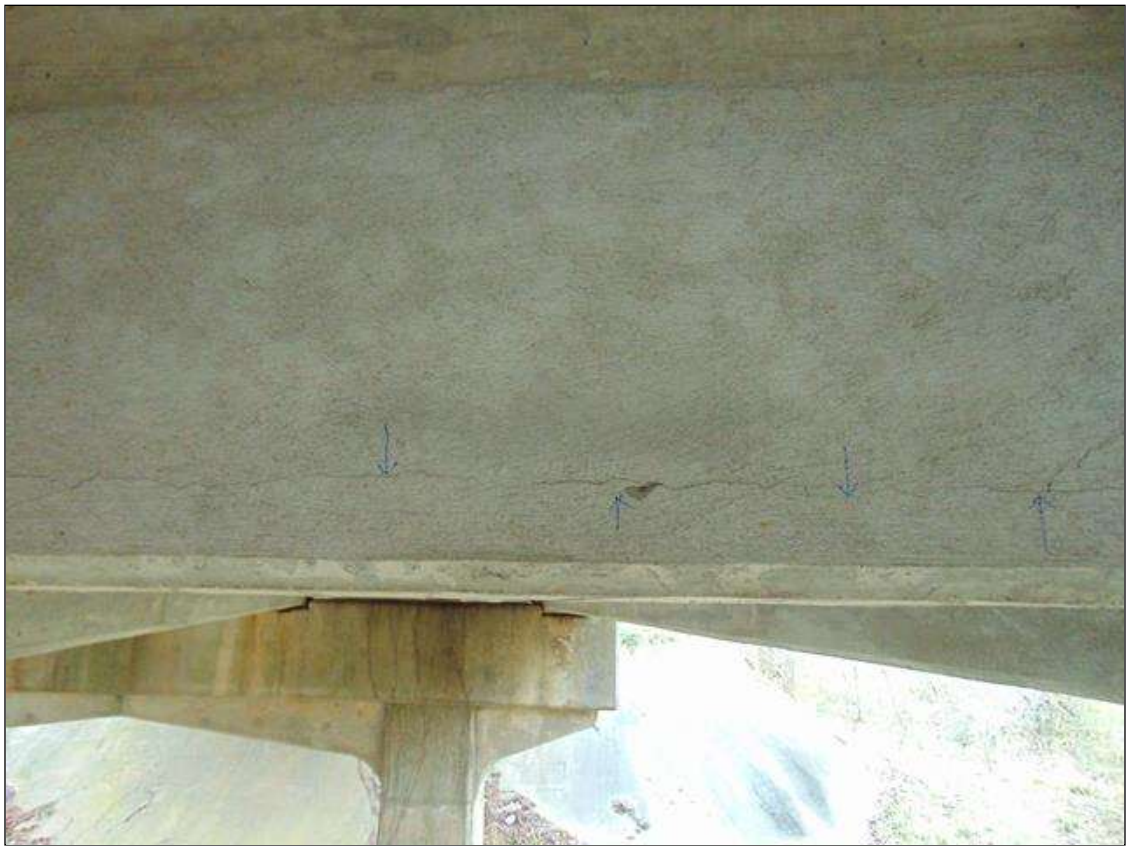
Span 6 Beam 4: 4' x 6" DELAMINATED AREA WITH 1/8" HORIZONTAL CRACKING

Bent 6 Cap 1: 18" x 9" x 3" DEEP SPALL WITH EXPOSED REBAR ON EAST FACE UNDER GIRDER 3 (PAR)

Span 6 Beam 1: 16" x 14" x 1" deep spall with exposed rebar and area of delamination on bottom of beam near midspan

Span 6 Beam 1: 20" x 16" area of patch with 3 1/2" x 3" x 1/2" deep spall on bottom of beam near midspan

Span 6 Deck: 16" x 14" x 3" deep spall with exposed rebar on bottom of deck in Bay 3 near midspan (Bay 1 similar)



Span 6 Beam 3: 4' hairline horizontal crack on West face of intermediate diaphragm in Bay 3

Bent 5 Cap 1: 32" x 14" x 3" DEEP SPALL AND DELAMINATED AREA ON WEST FACE UNDER GIRDER 4 (PAR)

Bent 5 Cap 1: 40" x 7" AREA OF DELAMINATION WITH 1/8" HORIZONTAL CRACK ON EAST FACE UNDER Bay 2

Bent 5 Pile 1: 37" x 5" x 2 1/2" deep spall with exposed rebar and area of delamination on Northeast corner (PAR)

Bent 5 Pile 2: [PROMPT ACTION REQUEST] 4.75' x 8" x 8" SPALL WITH EXPOSED REBAR AND AREA OF DELAMINATION ON Southeast CORNER

Span 5 Beam 3: 14" x 18" area of sound patch on right side of beam at Bent 5

Span 5 Beam 3: [PROMPT ACTION REQUEST] 7" LONG x 18" TALL x 5" DEEP SPALL WITH EXPOSED REBAR WITH ADJACENT 16" x 20" AREA OF PATCH ON LEFT SIDE OF BEAM END AT BENT 5, NO MEASURABLE SECTION LOSS

Span 5 Beam 2: [PROMPT ACTION REQUEST] 6" LONG x 18" TALL x 4" DEEP SPALL WITH EXPOSED REBAR WITH ADJACENT 16" x 10" AREA OF PATCH ON RIGHT SIDE OF BEAM END AT BENT 5, NO MEASURABLE SECTION LOSS

Span 6 Beam 2: 36" x 5" x 2" deep spall with exposed rebar and area of delamination on Bent 5 diaphragm in Bay 2

Span 5 Beam 1: [PROMPT ACTION REQUEST] 26" x 14" x 3 1/2" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT MIDSPAN. THERE ARE VOIDS AROUND THE REBAR AS A RESULT OF POOR CONSOLIDATION. THE SECONDARY REINFORCING HAS UP PTO 50% SECTION LOSS.

Span 5 Beam 1: [PROMPT ACTION REQUEST] 32" x 18" x 3" DEEP SPALL WITH EXPOSED REBAR ON BOTTOM OF GIRDER WITH 12" x 4" x 5" DEEP SPALL ON LEFT SIDE OF BEAM END AT BENT 5 WITH VOIDS RESULTING FROM POOR CONSOLIDATION. APPROXIMATELY 50% OF BEARING AREA HAS BEEN LOST. THERE IS UP TO 50% SECTION LOSS ON THE SECONDARY REINFORCING.

Span 5 Beam 4: [PROMPT ACTION REQUEST] 3.5' x 18" x 4" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT MIDSPAN. THERE ARE VOIDS IN THE CONCRETE RESULTING FROM POOR CONSOLIDATION. THE SECONDARY REINFORCING HAS UP TO 50% SECTION LOSS.

Span 5 Beam 4: [PROMPT ACTION REQUEST] 3' x 15" x 5" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT 15' FROM BENT 4, NO MEASURABLE SECTION LOSS

Span 5 Right Bridge Rail: 8" x 3" x 1/2" deep spall with exposed rebar on West face of Post 6 bracket

Bent 4 Pile 2: [PROMPT ACTION REQUEST] 4.5' x 7" x 8" DEEP SPALL WITH EXPOSED REBAR ON Southeast CORNER

Span 4 Beam 1: GIRDER END AT BENT 4, LEFT SIDE, DIAGONAL CRACKING TO 3/16" WIDE x APPROXIMATELY 15" LONG WITH ASSOCIATEED DELAMINATION

Span 4 Beam 2: [PROMPT ACTION REQUEST] 8" x 18" x 4 1/2" DEEP SPALL WITH EXPOSED REBAR WITH 19" x 19" AREA OF PATCH ON LEFT SIDE OF BEAM END AT BENT 4; RIGHT SIDE SIMILAR

Span 4 Beam 3: [PROMPT ACTION REQUEST] 7" x 9" x 5" DEEP SPALL WITH EXPOSED REBAR WITH 19" x 19" AREA OF PATCH ON LEFT SIDE OF BEAM END AT BENT 4; RIGHT SIDE SIMILAR

Disconnected utility in Span 5 (Span 4 similar)

Bent 3 Pile 2: [PROMPT ACTION REQUEST] 2' DOWN FROM CAP, [2] AREAS OF SPALLING WITH EXPOSED REBAR AND AREA OF DELAMINATION UP TO 3' HIGH x 12" WIDE x 3" DEEP WITH NO MEASURABLE SECTION LOSS ON Span 4 FACE

Span 2 Beam 4: 2 1/2" x 5" x 1/2" deep spall with exposed rebar on left side of beam at Bent 2 (PAR)

Bent 2 Pile 2: 38" x 18" area of delamination with 1/16" transverse cracks on top of strut between Columns 1 and 2

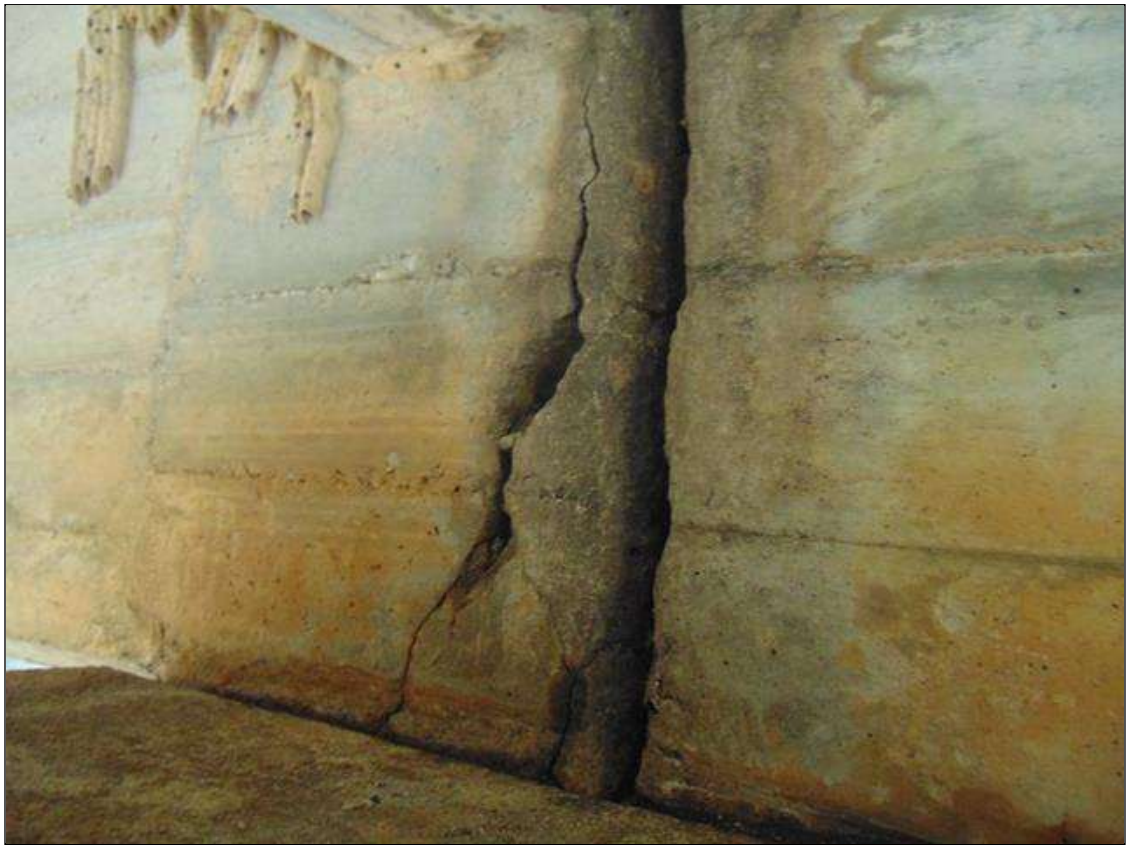
Bent 2 Pile 1: 44" x 9" x 8" SPALL WITH EXPOSED REBAR ON Northwest CORNER (PAR)

Bent 2 Cap 1: 20" x 12" x 8" DEEP SPALL AND DELAMINATED AREA ON WEST FACE UNDER GIRDER 3

Bent 2 Pile 2: [PROMPT ACTION REQUEST] 50" x 10" x 8" SPALL WITH EXPOSED REBAR ON Southwest CORNER

Bent 1 Pile 1: EAST FACE ON THE STRUCT, SPALLING WITH EXPOSED REBAR [APPROXIMATELY (3) UP TO 12" x 4" x 1" DEEP], NO MEASURABLE SECTION LOSS

Span 1 Beam 4: 6" LONG x 6" TALL SPALLING UP TO 2" DEEP AND ARE OF DELAMINATION ON BEAM END OVER BENT 1, LEFT SIDE



Span 1 Beam 3: 6" LONG x 19" TALL SPALLING AND AREA OF DELAMINATION ON BEAM END OVER BENT 1, RIGHT (PAR)

Span 7 Left Bridge Rail: 18" x 12" area of hairline map cracking on curb at End Bent 2

Span 5 Left Bridge Rail: 5" x 4" x 1" deep spall on rail near Post 1

Span 7 Wearing Surface: 30 square feet up to 1/8" transverse crack at End Bent 2

Span 7 Wearing Surface: 30 square feet up to 1/8" transverse crack with (4) up to 12" x 3" x 2" deep area of missing asphalt wearing surface at Bent 6

Span 6 Wearing Surface: Full width transverse crack with (2) up to 56" x 6" x 2" deep area of missing asphalt wearing surface at Bent 5

Span 5 Right Bridge Rail: (5) up to 4 1/2" x 2" x 1/2" deep spalls with exposed rebar on curb face

Span 1 Right Bridge Rail: 12" x 11" x 5" DEEP SPALL WITH EXPOSED REBAR ON POST 2

Span 1 Left Bridge Rail: (3) UP TO 5" x 1" x 1/4" DEEP SPALLS WITH EXPOSED REBAR ON CURB NEAR POST 7

(2) up to 5" x 2" x 1" deep spalls on Northwest wingwall

4' x 1' deep undermining under End Bent 1 slope protection at North end (South end similar) (PAR)

Vegetation growth on End Bent 1 cap at South end

End Bent 2 Cap 1: 2.5' x 8" x 5" DELAMINATION AND 1/16" CRACKING IN Bay 1

2' x 18" deep undermining under End Bent 2 slope protection at North end (South end similar) (PAR)

Span 7 Beam 4: 3.5' x 24" x 3/4" DEEP SPALL WITH EXPOSED REBAR ON RIGHT SIDE AT 6' FROM END BENT 2, NO MEASURABLE SECTION LOSS

14" x 13" x 1 1/2" deep spall on Southeast wingwall

Bent 6 Pile 2: 12" x 6" x 1 1/2" DEEP SPALL WITH EXPOSED REBAR AND AREA OF DELAMINATION ON Northwest CORNER AT STRUT (PAR)

Stream Bed Soundings

(Profile diagram on following sheet)

County **NASH** Structure Number: **630029** Inspection Date **03/11/2022**

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

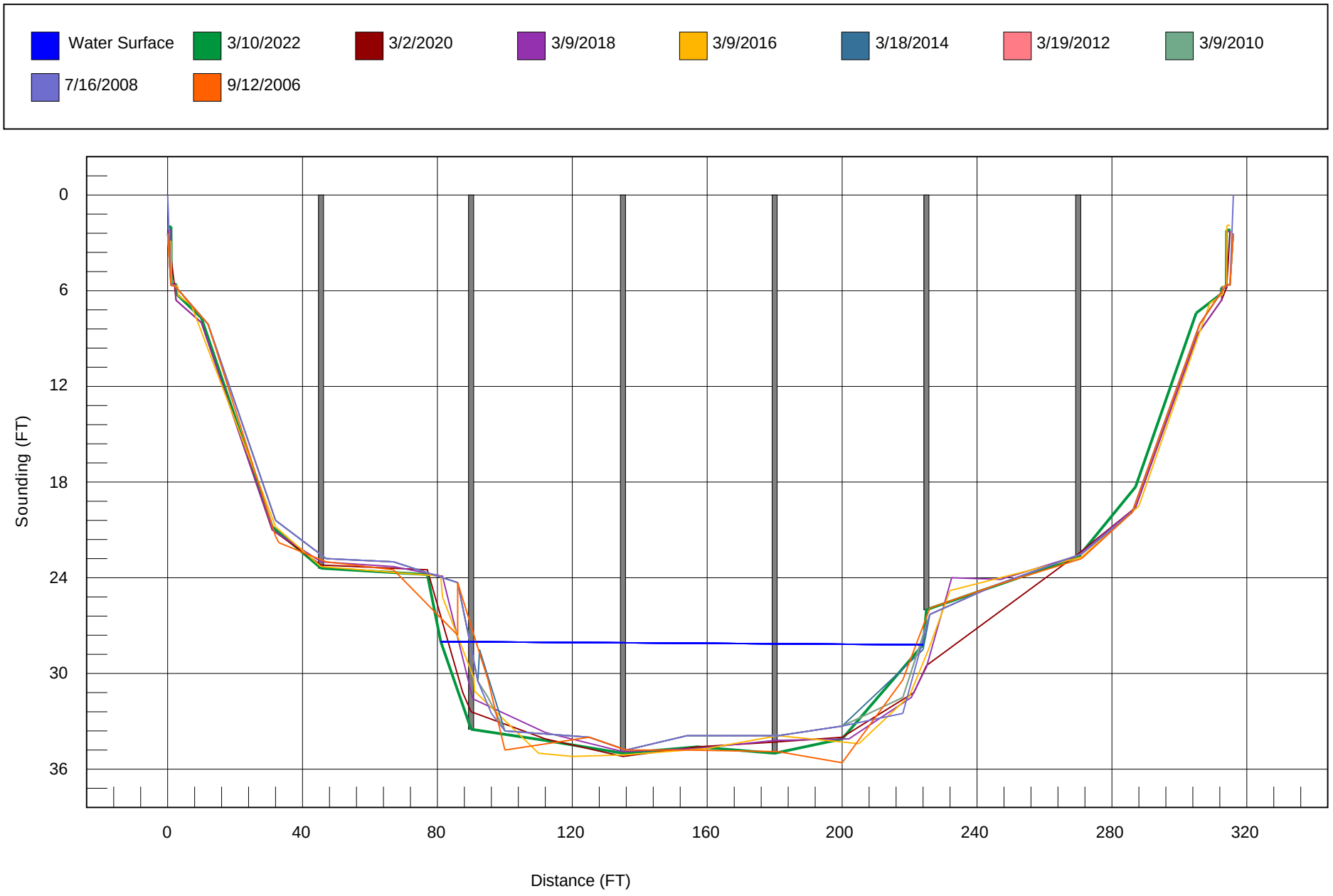
Highwater Mark Distance **20** Location of Highwater Mark **Abrasion on Columns**

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.000	0.000	TOP OF BACKWALL
1.000	2.000	0.000	TOP OF BACKWALL
1.100	5.600	0.000	TOP OF CAP
2.500	5.600	0.000	TOP OF CAP
2.600	6.200	6.100	FACE OF CAP
10.000	7.700	0.000	
31.000	20.800	0.000	
45.500	23.400	24.700	BENT 1
77.000	23.800	0.000	
81.000	28.000	0.000	WATER SURFACE/WATER EDGE (WS/WE)
90.000	33.500	32.900	BENT 2
112.000	34.200	0.000	
135.000	35.000	34.800	BENT 3
157.000	34.600	0.000	
180.000	35.000	35.000	BENT 4
200.000	34.100	0.000	
224.000	28.200	0.000	WATER SURFACE (WS)
225.000	26.000	31.800	BENT 5
270.000	22.700	22.100	BENT 6
287.000	18.300	0.000	BOTTOM OF SLOPE PROTECTION
305.000	7.400	0.000	TOP OF SLOPE PROTECTION
312.400	6.200	6.200	FACE OF CAP
312.500	5.800	0.000	TOP OF CAP
313.900	5.800	0.000	TOP OF CAP
314.000	2.200	0.000	TOP OF BACKWALL
315.000	2.200	0.000	TOP OF BACKWALL

Bridge: 630029 County: NASH Date: 03/10/2022

STREAMBED PROFILE (Downstream)

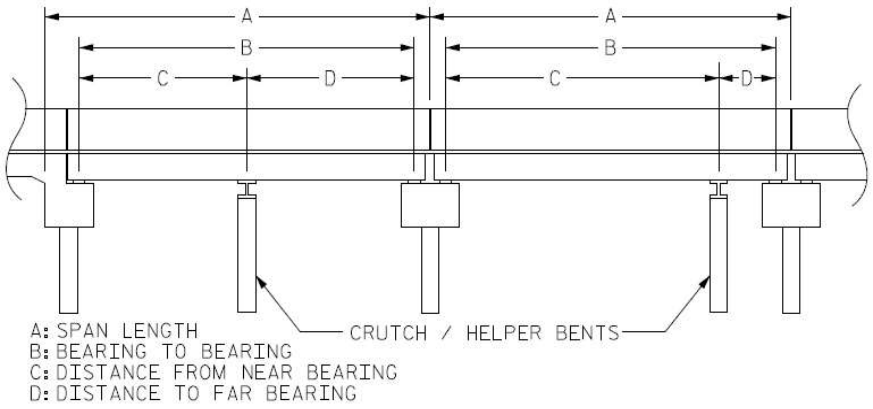
Top of Rail = 0FT (Sounding)



Structure Data Worksheet

Span Profile

County: **NASH** Structure Number: **630029**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	45.000	43.646			
2	45.000	43.813			
3	45.000	43.813			
4	45.000	43.813			
5	45.000	43.813			
6	45.000	43.813			
7	45.000	43.646			

Bent 5 (Bents 1-4, 6 similar)

Bent bearing (Beam 3, Bent 6 shown)

Intermediate diaphragm

Bent diaphragm

Underside of superstructure (Span 5 shown)

Downstream profile, looking North

(4) 4" diameter utilities in North overhang

Upstream profile, looking South

Looking East

Northwest guardrail end treatment (All others similar)

Northwest guardrail post spacing (All others similar)

Northwest guardrail transition (All others similar)

Southwest guardrail attachment (All others similar)

North bridge rail (South bridge rail similar)

West approach

Upstream view, looking North

Downstream view, looking South

East approach

Looking West

Bridge plaque at Northeast corner (Southwest corner similar)

Northwest wingwall (All others similar)

End Bent 1 (End Bent 2 similar)

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 630029 County NASH Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3306	Maintain Concrete Superstructure Components	SF	1	Span 2 Beam 4: 2 1/2" x 5" x 1/2" deep spall with exposed rebar on left side of beam at Bent 2 (PAR)	
3306	Maintain Concrete Superstructure Components	SF	1	[PROMPT ACTION REQUEST] 8" x 18" x 4 1/2" DEEP SPALL WITH EXPOSED REBAR WITH 19" x 19" AREA OF PATCH ON LEFT SIDE OF BEAM END AT BENT 4; RIGHT SIDE SIMILAR	
3306	Maintain Concrete Superstructure Components	SF	1	Span 4 Beam 3: [PROMPT ACTION REQUEST] 7" x 9" x 5" DEEP SPALL WITH EXPOSED REBAR WITH 19" x 19" AREA OF PATCH ON LEFT SIDE OF BEAM END AT BENT 4; RIGHT SIDE SIMILAR	
3306	Maintain Concrete Superstructure Components	SF	3	Span 5 Beam 1: [PROMPT ACTION REQUEST] 32" x 18" x 3" DEEP SPALL WITH EXPOSED REBAR ON BOTTOM OF GIRDER WITH 12" x 4" x 5" DEEP SPALL ON LEFT SIDE OF BEAM END AT BENT 5 WITH VOIDS RESULTING FROM POOR CONSOLIDATION. APPROXIMATELY 50% OF BEARING AREA HAS BEEN LOST. THERE IS UP TO 50% SECTION LOSS ON THE SECONDARY REINFORCING.	
3306	Maintain Concrete Superstructure Components	SF	3	Span 5 Beam 1: [PROMPT ACTION REQUEST] 26" x 14" x 3 1/2" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT MIDSPAN. THERE ARE VOIDS AROUND THE REBAR AS A RESULT OF POOR CONSOLIDATION. THE SECONDARY REINFORCING HAS UP PTO 50% SECTION LOSS.	
3306	Maintain Concrete Superstructure Components	SF	1	Span 5 Beam 2: [PROMPT ACTION REQUEST] 6" LONG x 18" TALL x 4" DEEP SPALL WITH EXPOSED REBAR WITH ADJACENT 16" x 10" AREA OF PATCH ON RIGHT SIDE OF BEAM END AT BENT 5, NO MEASURABLE SECTION LOSS	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 630029 County NASH Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3306	Maintain Concrete Superstructure Components	SF	2	Span 5 Beam 3: [PROMPT ACTION REQUEST] 7" LONG x 18" TALL x 5" DEEP SPALL WITH EXPOSED REBAR WITH ADJACENT 16" x 20" AREA OF PATCH ON LEFT SIDE OF BEAM END AT BENT 5, NO MEASURABLE SECTION LOSS	
3306	Maintain Concrete Superstructure Components	SF	4	Span 5 Beam 4: [PROMPT ACTION REQUEST] 3.5' x 18" x 4" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT MIDSPAN. THERE ARE VOIDS IN THE CONCRETE RESULTING FROM POOR CONSOLIDATION. THE SECONDARY REINFORCING HAS UP TO 50% SECTION LOSS.	
3306	Maintain Concrete Superstructure Components	SF	3	Span 5 Beam 4: [PROMPT ACTION REQUEST] 3' x 15" x 5" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT 15' FROM BENT 4, NO MEASURABLE SECTION LOSS	
3306	Maintain Concrete Superstructure Components	SF	1	Span 6 Beam 1: [PROMPT ACTION REQUEST] 7" LONG x 12" TALL x 3" DEEP SPALL WITH EXPOSED REBAR ON LEFT SIDE OF BEAM END AT BENT 6, NO MEASURABLE SECTION LOSS	
3306	Maintain Concrete Superstructure Components	SF	1	Span 6 Beam 2: [PROMPT ACTION REQUEST] 5" LONG x 19" TALL x 2 1/2" DEEP SPALL WITH EXPOSED REBAR ON BOTH SIDES OF BEAM END AT BENT 6, NO MEASURABLE SECTION LOSS	
3306	Maintain Concrete Superstructure Components	SF	1	Span 6 Beam 3: [PROMPT ACTION REQUEST] 5" LONG x 19" TALL x 4" DEEP SPALL WITH EXPOSED REBAR [NO MEASURABLE SECTION LOSS] ON LEFT SIDE OF BEAM END AT BENT 6 AND 8" LONG x 10" TALL x 2 1/2" DEEP SPALL WITH EXPOSED REBAR [NO MEASURABLE SECTION LOSS] ON RIGHT SIDE OF BEAM END OVER BENT 6	
3306	Maintain Concrete Superstructure Components	SF	1	Span 7 Beam 1: 2" x 11" x 4" deep spall with exposed rebar on left side of beam at Bent 6 (PAR)	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 630029 County NASH Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
3306	Maintain Concrete Superstructure Components	SF	1	Span 7 Beam 2: 4" LONG x 19" TALL x 3 1/2" DEEP SPALL WITH EXPOSED REBAR ON RIGHT SIDE OF BEAM END AT BENT 6 (PAR)	
3306	Maintain Concrete Superstructure Components	SF	1	Span 1 Beam 3: 6" LONG x 19" TALL SPALLING AND AREA OF DELAMINATION ON BEAM END OVER BENT 1, RIGHT (PAR)	
3348	Maintain Concrete Substructure Components	LF	4	Bent 2 Pile 1: 44" x 9" x 8" SPALL WITH EXPOSED REBAR ON Northwest CORNER (PAR)	
3348	Maintain Concrete Substructure Components	LF	5	Bent 2 Pile 2: [PROMPT ACTION REQUEST] 50" x 10" x 8" SPALL WITH EXPOSED REBAR ON Southwest CORNER	
3348	Maintain Concrete Substructure Components	LF	6	Bent 3 Pile 2: [PROMPT ACTION REQUEST] 2' DOWN FROM CAP, [2] AREAS OF SPALLING WITH EXPOSED REBAR AND AREA OF DELAMINATION UP TO 3' HIGH x 12" WIDE x 3" DEEP WITH NO MEASURABLE SECTION LOSS ON Span 4 FACE	
3348	Maintain Concrete Substructure Components	LF	5	Bent 4 Pile 2: [PROMPT ACTION REQUEST] 4.5' x 7" x 8" DEEP SPALL WITH EXPOSED REBAR ON Southeast CORNER	
3348	Maintain Concrete Substructure Components	LF	4	Bent 5 Pile 1: 37" x 5" x 2 1/1" deep spall with exposed rebar and area of delamination on Northeast corner (PAR)	
3348	Maintain Concrete Substructure Components	LF	5	Bent 5 Pile 2: [PROMPT ACTION REQUEST] 4.75' x 8" x 8" SPALL WITH EXPOSED REBAR AND AREA OF DELAMINATION ON Southeast CORNER	
3348	Maintain Concrete Substructure Components	LF	2	Bent 6 Cap 1: 18" x 9" x 3" DEEP SPALL WITH EXPOSED REBAR ON EAST FACE UNDER GIRDER 3 (PAR)	
3348	Maintain Concrete Substructure Components	LF	1	Bent 6 Pile 2: 12" x 6" x 1 1/2" DEEP SPALL WITH EXPOSED REBAR ON Northwest CORNER AT STRUT (PAR)	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 630029 County NASH 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 5 Cap 1: 32" x 14" x 3" DEEP SPALL AND DELAMINATED AREA ON WEST FACE UNDER GIRDER 4 (PAR)	
3352	Maint Slope Protection	SF	8	4' x 1' deep undermining under End Bent 1 slope at North end (South end similar) (PAR)	
3352	Maint Slope Protection	SF	6	2' x 18" deep undermining under End Bent 2 slope at North end (South end similar) (PAR)	

Key

Priority Maintenance Item Critical Finding Item Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 630029 County NASH

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	1 SF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Span 2 Beam 4: 2 1/2" x 5" x 1/2" deep spall with exposed rebar on left side of beam at Bent 2 (PAR)

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	1 SF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

[PROMPT ACTION REQUEST] 8" x 18" x 4 1/2" DEEP SPALL WITH EXPOSED REBAR WITH 19" x 19" AREA OF PATCH ON LEFT SIDE OF BEAM END AT BENT 4; RIGHT SIDE SIMILAR

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 630029 County NASH

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	1 SF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Span 4 Beam 3: [PROMPT ACTION REQUEST] 7" x 9" x 5" DEEP SPALL WITH EXPOSED REBAR WITH 19" x 19" AREA OF PATCH ON LEFT SIDE OF BEAM END AT BENT 4; RIGHT SIDE SIMILAR

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	3 SF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Span 5 Beam 1: [PROMPT ACTION REQUEST] 32" x 18" x 3" DEEP SPALL WITH EXPOSED REBAR ON BOTTOM OF GIRDER WITH 12" x 4" x 5" DEEP SPALL ON LEFT SIDE OF BEAM END AT BENT 5 WITH VOIDS RESULTING FROM POOR CONSOLIDATION. APPROXIMATELY 50% OF BEARING AREA HAS BEEN LOST. THERE IS UP TO 50% SECTION LOSS ON THE SECONDARY REINFORCING.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 630029 County NASH

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	3 SF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Span 5 Beam 1: [PROMPT ACTION REQUEST] 26" x 14" x 3 1/2" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT MIDSPAN. THERE ARE VOIDS AROUND THE REBAR AS A RESULT OF POOR CONSOLIDATION. THE SECONDARY REINFORCING HAS UP PTO 50% SECTION LOSS.

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	1 SF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Span 5 Beam 2: [PROMPT ACTION REQUEST] 6" LONG x 18" TALL x 4" DEEP SPALL WITH EXPOSED REBAR WITH ADJACENT 16" x 10" AREA OF PATCH ON RIGHT SIDE OF BEAM END AT BENT 5, NO MEASURABLE SECTION LOSS

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 630029 County NASH

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	2 SF

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

Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Span 5 Beam 3: [PROMPT ACTION REQUEST] 7" LONG x 18" TALL x 5" DEEP SPALL WITH EXPOSED REBAR WITH ADJACENT 16" x 20" AREA OF PATCH ON LEFT SIDE OF BEAM END AT BENT 5, NO MEASURABLE SECTION LOSS

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	4 SF

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

Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Span 5 Beam 4: [PROMPT ACTION REQUEST] 3.5' x 18" x 4" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT MIDSPAN. THERE ARE VOIDS IN THE CONCRETE RESULTING FROM POOR CONSOLIDATION. THE SECONDARY REINFORCING HAS UP TO 50% SECTION LOSS.

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 630029 County NASH

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	3 SF

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

Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Span 5 Beam 4: [PROMPT ACTION REQUEST] 3' x 15" x 5" DEEP SPALL WITH EXPOSED REBAR ON UNDERSIDE AT 15' FROM BENT 4, NO MEASURABLE SECTION LOSS

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	1 SF

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

Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Span 6 Beam 1: [PROMPT ACTION REQUEST] 7" LONG x 12" TALL x 3" DEEP SPALL WITH EXPOSED REBAR ON LEFT SIDE OF BEAM END AT BENT 6, NO MEASURABLE SECTION LOSS

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 630029 County NASH

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	1 SF

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

Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Span 6 Beam 2: [PROMPT ACTION REQUEST] 5" LONG x 19" TALL x 2 1/2" DEEP SPALL WITH EXPOSED REBAR ON BOTH SIDES OF BEAM END AT BENT 6, NO MEASURABLE SECTION LOSS

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	1 SF

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

Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Span 6 Beam 3: [PROMPT ACTION REQUEST] 5" LONG x 19" TALL x 4" DEEP SPALL WITH EXPOSED REBAR [NO MEASURABLE SECTION LOSS] ON LEFT SIDE OF BEAM END AT BENT 6 AND 8" LONG x 10" TALL x 2 1/2" DEEP SPALL WITH EXPOSED REBAR [NO MEASURABLE SECTION LOSS] ON RIGHT SIDE OF BEAM END OVER BENT 6

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 630029 County NASH

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	1 SF

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

Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Span 7 Beam 1: 2" x 11" x 4" deep spall with exposed rebar on left side of beam at Bent 6 (PAR)

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	1 SF

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

Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Span 7 Beam 2: 4" LONG x 19" TALL x 3 1/2" DEEP SPALL WITH EXPOSED REBAR ON RIGHT SIDE OF BEAM END AT BENT 6 (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 630029 County NASH

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

MMS Code	MMS Description	Quantity
3306	Maintain Concrete Superstructure Components	1 SF

Location:
Bent/Span No.

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/16/2022	Jonathan M. Simpson	

Details
Span 1 Beam 3: 6" LONG x 19" TALL SPALLING AND AREA OF DELAMINATION ON BEAM END OVER BENT 1, RIGHT (PAR)

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:
03/11/2022	Jonathan M. Simpson	

Details
Bent 2 Pile 1: 44" x 9" x 8" SPALL WITH EXPOSED REBAR ON Northwest CORNER (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 630029 County NASH

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

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

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Bent 2 Pile 2: [PROMPT ACTION REQUEST] 50" x 10" x 8" SPALL WITH EXPOSED REBAR ON Southwest CORNER

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	6 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Bent 3 Pile 2: [PROMPT ACTION REQUEST] 2' DOWN FROM CAP, [2] AREAS OF SPALLING WITH EXPOSED REBAR AND AREA OF DELAMINATION UP TO 3' HIGH x 12" WIDE x 3" DEEP WITH NO MEASURABLE SECTION LOSS ON Span 4 FACE

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 630029 County NASH

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

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

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

Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Bent 4 Pile 2: [PROMPT ACTION REQUEST] 4.5' x 7" x 8" DEEP SPALL WITH EXPOSED REBAR ON Southeast CORNER

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:
03/11/2022	Jonathan M. Simpson	

Details

Bent 5 Pile 1: 37" x 5" x 2 1/1" deep spall with exposed rebar and area of delamination on Northeast corner (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 630029 County NASH

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

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

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

Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Bent 5 Pile 2: [PROMPT ACTION REQUEST] 4.75' x 8" x 8" SPALL WITH EXPOSED REBAR AND AREA OF DELAMINATION ON Southeast CORNER

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:
03/11/2022	Jonathan M. Simpson	

Details

Bent 6 Cap 1: 18" x 9" x 3" DEEP SPALL WITH EXPOSED REBAR ON EAST FACE UNDER GIRDER 3 (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 630029 County NASH

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

MMS Code	MMS Description	Quantity
3348	Maintain Concrete Substructure Components	1 LF

Location:		
Bent/Span No.		
Priority Level	Status	
Priority Maintenance	Division Bridge Maintenance Notification	
Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details

Bent 6 Pile 2: 12" x 6" x 1 1/2" DEEP SPALL WITH EXPOSED REBAR ON Northwest CORNER AT STRUT (PAR)

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:
03/16/2022	Jonathan M. Simpson	

Details

Bent 5 Cap 1: 32" x 14" x 3" DEEP SPALL AND DELAMINATED AREA ON WEST FACE UNDER GIRDER 4 (PAR)

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 630029 County NASH

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

MMS Code	MMS Description	Quantity
3352	Maint Slope Protection	8 SF

Location:	
Bent/Span No.	

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details
4' x 1' deep undermining under End Bent 1 slope at North end (South end similar) (PAR)

MMS Code	MMS Description	Quantity
3352	Maint Slope Protection	6 SF

Location:	
Bent/Span No.	

Priority Level	Status
Priority Maintenance	Division Bridge Maintenance Notification

Submitted Date:	Submitted By:	Assisted By:
03/11/2022	Jonathan M. Simpson	

Details
2' x 18" deep undermining under End Bent 2 slope at North end (South end similar) (PAR)

Bridge Inspection Field Sketch

MEASUREMENTS TAKEN 200' EAST OF BRIDGE

Roadway	24ft Wide	2 Paved Lanes	Looking East
Left Shoulder	2ft Wide	2ft Paved	
Right Shoulder	2ft Wide	2ft Paved	
Left Guardrail			
Right Guardrail			

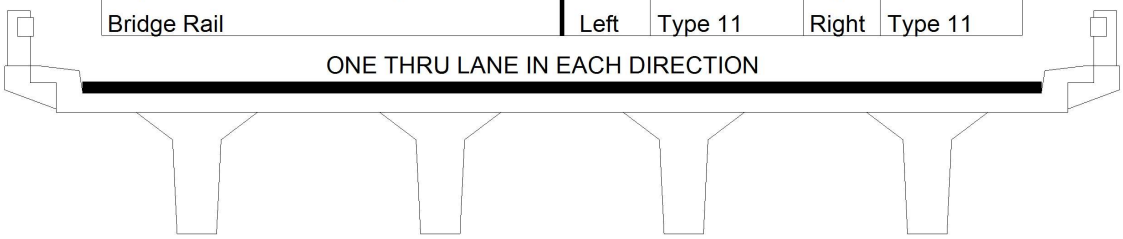
SKETCH VERIFIED 3/10/2022 BY JMS

Title	**Description**
APPROACH ROADWAY	LOOKING EAST

Bridge No: 630029	**Drawn By:** VMH	**Date:** 03/08/2010	**File Name:** S0026002776

Bridge Inspection Field Sketch

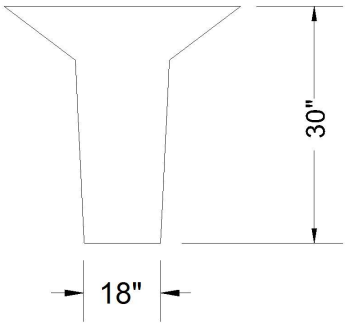
Deck Width/Out to Out	33.5ft	Between Rails				31.292ft
Clear Roadway	28.167ft	Wearing Surface				0.333ft
Median Width		Median Height				
Curb Height		Left	0.583ft	Right	0.583ft	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left	2.667ft	Right	2.667ft	
Top of Rail to Deck/Wearing Surface		Left	2.292ft	Right	2.292ft	
Bridge Rail		Left	Type 11	Right	Type 11	



Measurements for Spans	1 thru 7		
Deck Thickness	0.563	Left Overhang	4.75
Top of Rail to Bottom of Beam	5.667	Right Overhang	4.75

Beam Number	Beam Type	Spacing	Comments
1	RC Deck Girder	8.0ft	
2	RC Deck Girder	8.0ft	
3	RC Deck Girder	8.0ft	
4	RC Deck Girder		

*AWS resurfaced since 2014 Inspection.

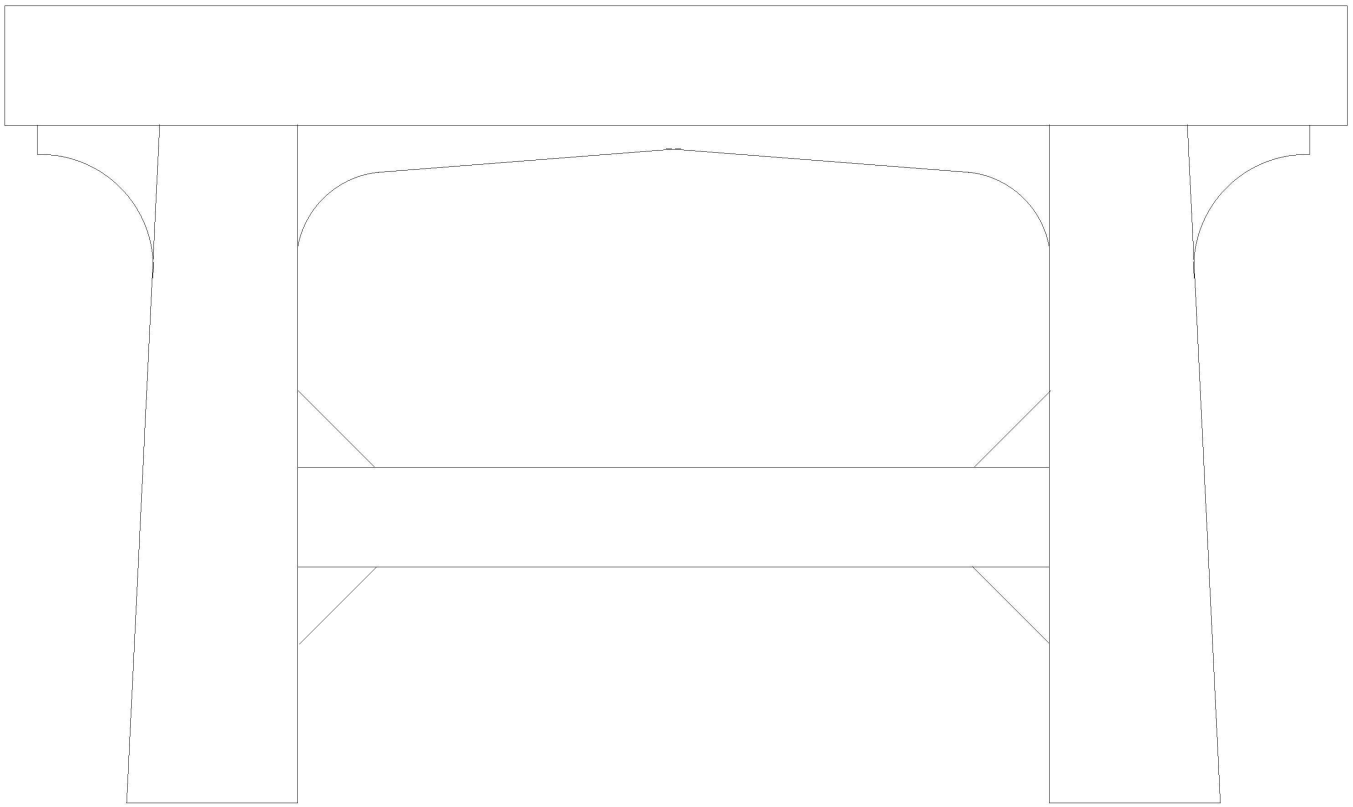


SKETCH VERIFIED 3/10/2022 BY JMS

Title	**Description**
TYPICAL SECTION	4 LINES OF RCDGs

Bridge No: 630029	**Drawn By:** VMH	**Date:** 03/08/2010	**File Name:** S0026002777

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.
28.0 ft.	2.5 ft.	2.5 ft.	5.0 ft.	5.0 ft.	1.58 ft.	1.58 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	18.0 ft.	2.5 ft.			Vertical	No	No	No	No
2	Concrete		2.5 ft.			Vertical	No	No	No	No

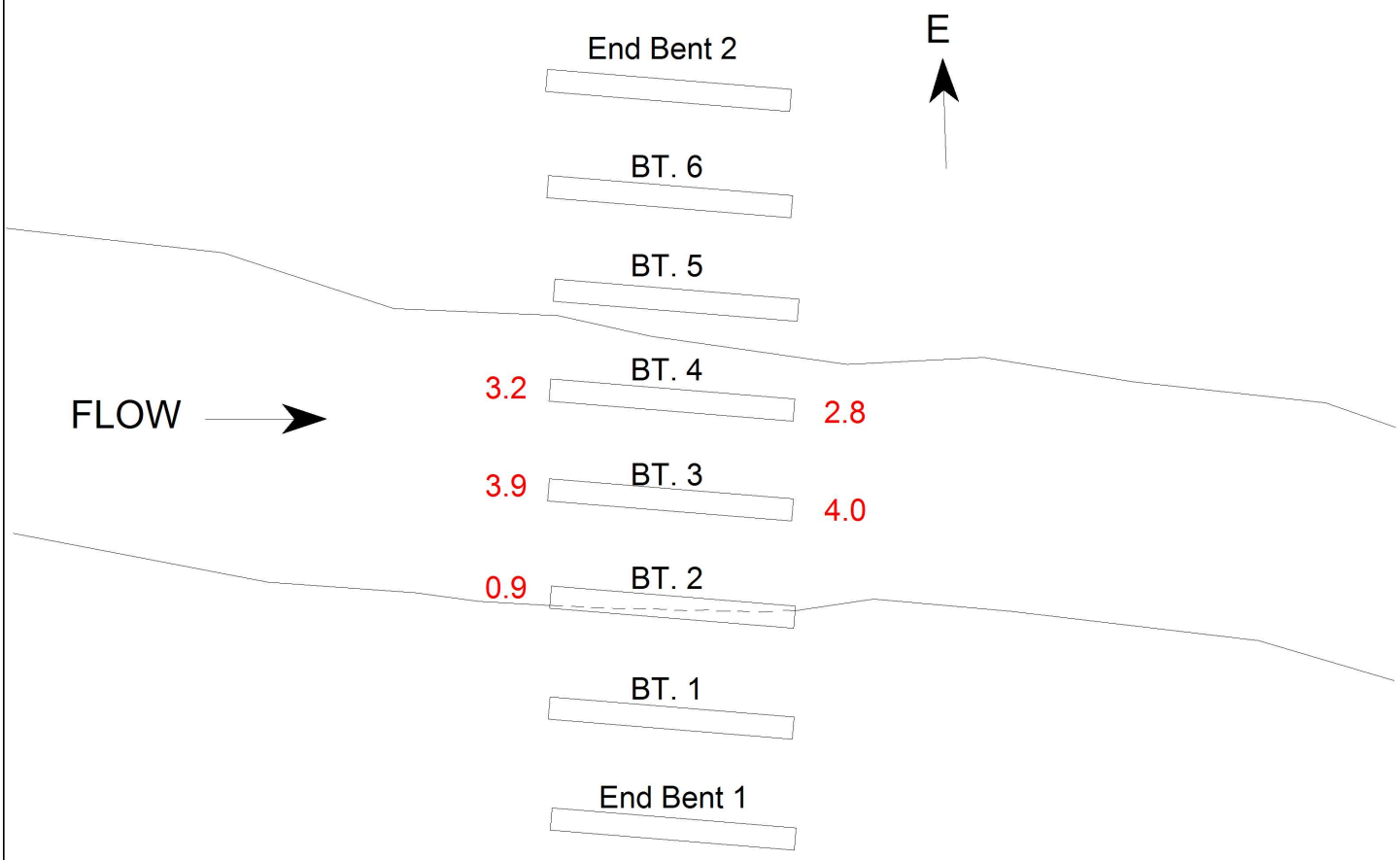
Bent: 1 Similar Bents: 2 thru 6

SKETCH VERIFIED 3/10/2022 BY JMS

Title	**Description**
BENT PROFILE	BENTS 1 THRU 6

Bridge No: 630029	**Drawn By:** VMH	**Date:** 03/08/2010	**File Name:** S0014003574

Bridge Inspection Field Sketch



WS: 31.9 ft approximately 1' to East of Bent 2, South side

BOTTOM COMP: RIVER GRAVEL, BEDROCK

BOTTOM PROBE: 4"

*BENTS 2-4 INSPECTED FROM MUDLINE TO HIGH WATERMARK 6 FEET.

Title	**Description**
PLAN VIEW	PLAN VIEW

Bridge No:	**Drawn By:**	**Date:**	**File Name:**
630029	JCB	3/14/2008	S0162000179

Bridge Inspection Field Sketch

VERTICAL FOOTING EXPOSURES

3-16-2020	NE	SE	NW	SW
BT 3 COL1	6"	6"	2"	6"
BT 3 COL2	6"	6"	6"	6"
BT 4 COL1	COV	COV	COV	COV
BT 4 COL2	COV	COV	COV	COV

VERTICAL FOOTING EXPOSURES

3-26-2012	NE	SE	NW	SW
BT 3 COL1	7"	5"	2"	9"
BT 3 COL2	5"	8"	6"	11"
BT 4 COL1	COV	COV	COV	COV
BT 4 COL2	COV	COV	4"	COV

Title	**Description**
VERTICAL FTG. EXPOSURE SHEET	VERTICAL FTG. EXPOSURE

Bridge No: 630029	**Drawn By:** JCB	**Date:** 3/14/2008	**File Name:** S0162000180

Bridge Inspection Field Sketch

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Title	Description
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Bridge No:	Drawn By:	Date:	File Name:
630029	VMH	03/08/2010	S0026002786

Bridge Inspection Field Sketch

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Title	Description
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Bridge No:	Drawn By:	Date:	File Name:
630029	VMH	03/08/2010	S0026002785

Bridge Inspection Field Sketch

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Title	Description
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Bridge No:	Drawn By:	Date:	File Name:
630029	VMH	03/08/2010	S0026002787

Bridge Inspection Field Sketch

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Title	Description
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Bridge No:	Drawn By:	Date:	File Name:
630029	VMH	03/08/2010	S0026002788

Bridge Inspection Field Sketch

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Title	Description
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Bridge No:	Drawn By:	Date:	File Name:
630029	VMH	03/08/2010	S0026002789

Bridge Inspection Field Sketch

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Title	Description
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Bridge No:	Drawn By:	Date:	File Name:
630029	VMH	03/08/2010	S0026002790

Bridge Inspection Field Sketch

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Title	Description
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Bridge No:	Drawn By:	Date:	File Name:
630029	VMH	03/08/2010	S0026002781

Bridge Inspection Field Sketch

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Title	Description
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Bridge No:	Drawn By:	Date:	File Name:
630029	VMH	03/08/2010	S0026002782

Bridge Inspection Field Sketch

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Title	Description
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Bridge No:	Drawn By:	Date:	File Name:
630029	VMH	03/08/2010	S0026002784

Bridge Inspection Field Sketch

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Title	Description
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Bridge No:	Drawn By:	Date:	File Name:
630029	VMH	03/08/2010	S0026002778

Bridge Inspection Field Sketch

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Title	Description
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Bridge No:	Drawn By:	Date:	File Name:
630029	VMH	03/08/2010	S0026002779

Bridge Inspection Field Sketch

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Title	Description
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Bridge No:	Drawn By:	Date:	File Name:
630029	VMH	03/08/2010	S0026002780

Bridge Inspection Field Sketch

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Title	Description
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Bridge No:	Drawn By:	Date:	File Name:
630029	VMH	03/08/2010	S0026002783