



NC DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 STRUCTURE MANAGEMENT UNIT

ATTENTION: PRIORITY ACTION REQUEST, APPROACH ROADWAY SKETCH REVISED, TYPICAL SECTION SKETCH REVISED

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 01/19/2021

DIVISION: 10 COUNTY: ANSON STRUCTURE NUMBER: 030014 FREQUENCY: 24 MONTHS

FACILITY CARRIED: US52 MILE POST: _____

LOCATION: 0.6 MI. N. JCT. SR1127

FEATURE INTERSECTED: SOUTH FORK JONES CREEK

LATITUDE: 34° 53' 28.23" LONGITUDE: 80° 1' 2.56"

SUPERSTRUCTURE: _____

SUBSTRUCTURE: _____

SPANS: 3 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 4/4 SUBSTRUCTURE 4/4 CULVERT N/N

POSTED SV: Not Posted POSTED TTST: Not Posted

OTHER SIGNS PRESENT: NONE



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

DIRECTION OF INSPECTION S-N

DIRECTION MATCHES PLANS _____

SOUTH APPROACH

INSPECTED BY JOSH B. WHITE, PE	SIGNATURE 	ASSISTED BY JWD
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NATIONAL BRIDGE INVENTROY ----- STRUCTURE INVENTORY AND APPRAISAL

03/01/2021

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE **030014**
 (8) STRUCTURE NUMBER (FEDERAL) **0070014**
 (5) INVENTORY ROUTE (ON/UNDER) ON **121000520**
 (2) STATE HIGHWAY DEPARTMENT DISTRICT **10**
 (3) COUNTY CODE (FEDERAL) **7** (4) PLACE CODE **00000**
 (6) FEATURE INTERSECTED **SOUTH FORK JONES CREEK**
 (7) FACILITY CARRIED **US52**
 (9) LOCATION **0.6 MI. N. JCT. SR1127**
 (11) MILEPOINT **0.0**
 (12) BASE HIGHWAY NETWORK **1**
 (13) LRS INVENTORY ROUTE & SUBROUTE **20052**
 (16) LATITUDE **34° 53' 28.23"** (17) LONGITUDE **80° 1' 2.56"**
 (98) BORDER BRIDGE STATE CODE PERCENT SHARED
 (99) BORDER BRIDGE STRUCTURE NUMBER

SUFFICIENCY RATING **53.88**
 STATUS = **Structurally Deficient**

CLASSIFICATION **CODE**

(112) NBIS BRIDGE SYSTEM **YES**
 (104) HIGHWAY SYSTEM **Inventory Route is on NHS 1**
 (26) FUNCTIONAL CLASS **Rural Minor Arterial 06**
 (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 **1**
 (20) TOLL **On Free Road 3**
 (21) MAINT - **01**
 (22) OWNER - **01**
 (37) HISTORICAL SIGNIFICANCE - **5**

STRUCTURE TYPE AND MATERIAL

(43) STRUCTURE TYPE MAIN **Steel**
 TYPE **Stringer/Multi-beam or girder** CODE **302**
 (44) STRUCTURE TYPE APPROACH
 TYPE CODE
 (45) NUMBER OF SPANS IN MAIN UNIT **3**
 (46) NUMBER OF SPANS IN APPROACH **0**
 (107) DECK STRUCTURE TYPE CODE **1**
 (108) WEARING SURFACE/PROTECTIVE SYSTEM
 (A) TYPE OF WEARING SURFACE CODE **6**
 (B) TYPE OF MEMBRANE CODE **0**
 (C) TYPE OF DECK PROTECTION CODE **0**

CONDITION **CODE**

(58) DECK **7**
 (59) SUPERSTRUCTURE **4**
 (60) SUBSTRUCTURE **4**
 (61) CHANNEL & CHANNEL PROTECTION **6**
 (62) CULVERTS **N**

LOAD RATING AND POSTING **CODE**

(31) DESIGN LOAD **H 20 + Mod 6**
 (63) OPERATING RATING METHOD - **Load Factor 1**
 (64) OPERATING RATING - **HS-32 57**
 (65) INVENTORY RATING METHOD - **1**
 (66) INVENTORY RATING **HS-19 34**
 (70) BRIDGE POSTING **No Posting Required 5**
 (41) STRUCTURE OPEN, POSTED, OR CLOSED
 DESCRIPTION **Open, no restriction A**

AGE AND SERVICE

(27) YEAR BUILT **1954**
 (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 **4200**
 (30) YEAR OF ADT **2015** (109) TRUCK ADT PCT **8**
 (19) BYPASS OR DETOUR LENGTH **2.0**

APPRAISAL **CODE**

(67) STRUCTURAL EVALUATION **4**
 (68) DECK GEOMETRY **4**
 (69) UNDERCLEARANCES, VERT & HORIZ **N**
 (71) WATERWAY ADEQUACY **4**
 (72) APPROACH ROADWAY ALIGNMENT **4**
 (36) TRAFFIC SAFETY FEATURES **1111**
 (113) SCOUR CRITICAL BRIDGES **8**

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN **39.0**
 (49) STRUCTURE LENGTH **121.0**
 (50) CURB OR SIDEWALK: LEFT **1.7** RIGHT **1.7**
 (51) BRIDGE ROADWAY WIDTH, CURB TO CURB **28.1**
 (52) DECK WIDTH OUT TO OUT **33.2**
 (32) APPROACH ROADWAY WITH (W/ SHOULDERS) **25.0**
 (33) BRIDGE MEDIAN **No median** CODE **0**
 (34) SKEW **0** (35) STRUCTURE FLARED **0**
 (10) INVENTORY ROUTE MIN VERT CLEAR **999.9**
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR **28.0**
 (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**

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 **8,400** YEAR OF FUTURE ADT **2040**

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**

INSPECTION

(90) INSPECTION DATE **01/21** (91) FREQUENCY **24**
 (92) CRITICAL FEATURE INSPECTION (93) CFI DATE
 A) FRACTURE CRIT DETAIL A)
 B) UNDERWATER INSP **60** B) **08/18**
 C) OTHER SPECIAL INSP C)

SCOUR

Superstructure Build Details

Span Number 1

Span Length 40.3333

Skew 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
4	Fixed Bearing	Fixed Bearing	4 Each	Inorganic Zinc Pimer with Acrylic Top Coat	0
4	Plate Girder	Steel Open Girder/Beam	164 Feet	Inorganic Zinc Pimer with Acrylic Top Coat	0
2	Concrete Railing	Reinforced Concrete Bridge Railing	82 Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1338 Square Feet		
1	Asphalt Wearing Surface	Wearing Surface	1130 Square Feet		
4	Movable Bearing	Movable Bearing	4 Each	Inorganic Zinc Pimer with Acrylic Top Coat	0

Span Number 2

Span Length 40.0000

Skew 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
1	Epoxy Wearing Surface	Wearing Surface	1120 Square Feet		
4	Plate Girder	Steel Open Girder/Beam	160 Feet	Inorganic Zinc Pimer with Acrylic Top Coat	0
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1338 Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	80 Feet		
4	Movable Bearing	Movable Bearing	4 Each	Inorganic Zinc Pimer with Acrylic Top Coat	0
4	Fixed Bearing	Fixed Bearing	4 Each	Inorganic Zinc Pimer with Acrylic Top Coat	0
1	Standard Joint	Pourable Joint Seal	28 Feet		

Span Number 3

Span Length 40.3333

Skew 90.0000

Number of Items	Type of Component	Element Name	Quantity	Protective System Applied	Quantity (Sq Ft)
4	Plate Girder	Steel Open Girder/Beam	164 Feet	Inorganic Zinc Pimer with Acrylic Top Coat	0
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1271 Square Feet		
4	Movable Bearing	Movable Bearing	4 Each	Inorganic Zinc Pimer with Acrylic Top Coat	0
2	Concrete Railing	Reinforced Concrete Bridge Railing	82 Feet		

Superstructure Build Details

1	Standard Joint	Pourable Joint Seal	28 Feet		
4	Fixed Bearing	Fixed Bearing	4 Each	Inorganic Zinc Primer with Acrylic Top Coat	0
1	Asphalt Wearing Surface	Wearing Surface	1130 Square Feet		

Structure Element Scoring

Structure Number: **030014**

Inspection Date 1/19/2021

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	3947	3398	549	0	0
107	0	Steel Open Girder/Beam	Beam	488	453	4	0	31
515	107	Steel Protective Coating	Beam	0	0	0	0	0
215	0	Reinforced Concrete Abutment	Abutments	68	37	31	0	0
225	0	Steel Pile	Piles and Columns	15	0	8	2	5
515	225	Steel Protective Coating	Piles and Columns	1155	1155	0	0	0
234	0	Reinforced Concrete Pier Cap	Caps	118	49	52	17	0
301	0	Pourable Joint Seal	Expansion Joints	56	56	0	0	0
311	0	Movable Bearing	Bearing Device	12	1	10	0	1
515	311	Steel Protective Coating	Bearing Device	0	0	0	0	0
313	0	Fixed Bearing	Bearing Device	12	8	4	0	0
515	313	Steel Protective Coating	Bearing Device	0	0	0	0	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	244	99	145	0	0
510	0	Wearing Surface	Wearing Surfaces	3380	2786	480	114	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **030014**

Inspection Date: **01/19/2021**

MMS Code	Element Name	Defect Name	Recommended Quantity
3326	Reinforced Concrete Deck	Cracking (RC and Other)	510 Square Feet
3314	Steel Open Girder/Beam	Damage	5 Feet
3314	Steel Open Girder/Beam	Corrosion	31 Feet
3354	Steel Pile	Corrosion	11 Each
3348	Reinforced Concrete Pier Cap	Cracking (RC and Other)	12 Feet
3348	Reinforced Concrete Pier Cap	Delamination/Spall	3 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	5 Feet
3334	Movable Bearing	Corrosion	1 Each
3318	Reinforced Concrete Bridge Railing	Exposed Rebar	1 Feet
2816	Wearing Surface	Crack (Wearing Surface)	592 Square Feet
2816	Wearing Surface	Patched Area/Pothole (Wearing Surface)	2 Square Feet

Element Structure Maintenance Quantities

Structure Number: **030014**

Inspection Date **01/19/2021**

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	68	0	0	31	37
Beam	3314	Maintenance Steel Superstructure Components	36	488	31	0	4	453
Beam	3342	Clean and Paint Steel	0	0	0	0	0	0
Bearing Device	3334	Bridge Bearing	1	24	1	0	14	9
Bearing Device	3342	Clean and Paint Steel	0	0	0	0	0	0
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	1	244	0	0	145	99
Caps	3348	Maintenance of Concrete Substructure	20	118	0	17	52	49
Deck	3326	Maintenance of Concrete Deck	510	3947	0	0	549	3398
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	56	0	0	0	56
Piles and Columns	3342	Clean and Paint Steel	0	1155	0	0	0	1155
Piles and Columns	3354	Maintenance of Steel Substructure Components	11	15	5	2	8	0
Wearing Surfaces	2816	Asphalt Surface Repair	594	3380	0	114	480	2786

Priority Actions Request

Structure Number 030014

Span1

3314	Beam 1	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
1	Corrosion	1	Span 1 Beam 1: PAR: AT BENT 1 SECTION LOSS WEB AROUND END DIAPHRAGM 1/4" REMAINING FOR 8" LONG X 2" TALL AND BOTH BOTTOM FLANGES 1/4" REMAINING, FULL WIDTH X 7" LONG	
3314	Beam 2	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
1	Corrosion	2	Span 1 Beam 2: PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 1 IN WEB AROUND DIAPHRAGM, FOR 8" TALL X 2" WIDE WITH 7/16" OF WEB THICKNESS REMAINING, IN LOWER WEB FOR 3" TALL X 20" LONG WITH 7/16" OF WEB THICKNESS REMAINING, AND BOTTOM FLANGE FOR FULL WIDTH X 6" LONG WITH 1/2" OF FLANGE THICKNESS REMAINING	
3314	Beam 3	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
1	Corrosion	2	Span 1 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 1" WIDE, LOWER 5" X 20" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED	
3314	Beam 4	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
1	Corrosion	2	Span 1 Beam 4: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING 6" LONG X 2" WIDE, AND LOWER 3" X 24" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 5/16" REMAINING X 16" LONG X FULL WIDTH, CORROSION ARRESTED.	

Span2

3314	Beam 1	Plate Girder		
Priority Level	Defect Type	Quantity	Defect Description	
2	Corrosion	3	Span 2 Beam 1: PAR: 5" LONG X 2" TALL AREA OF 100% SECTION LOSS LOWER WEB, TWO RUSTED HOLES 1 FT FROM BENT 2, SECTION LOSS AREA UP TO 5" HIGH X 2.5 FT LONG IN BOTTOM OF WEB, CORROSION ARRESTED. AT BENT 2 IN BOTTOM FLANGE, 2 FT LONG X FULL WIDTH SECTION LOSS WITH 1/8" REMAINING, CORROSION ARRESTED.	
2	Corrosion	2	Span 2 Beam 1: PAR: 5" TALL X 2" WIDE AREA OF COMPLETE SECTION LOSS IN WEB AT END OF DIAPHRAGM AT BENT 1, 1/4" REMAINING ALONG BOTH BOTTOM FLANGES FOR 12" LONG X FULL WIDTH, AND 3/16" REMAINING ALONG LOWER 3" OF WEB FOR 12" LONG AT BENT 1	
3314	Beam 3	Plate Girder		

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

Priority Actions Request

Structure Number 030014

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	3	Span 2 Beam 3: PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 2, IN LOWER WEB FOR 4" TALL X 34" LONG WITH 7/16" OF WEB THICKNESS REMAINING, IN BOTTOM FLANGE FOR FULL WIDTH X 12" LONG WITH 3/8" OF FLANGE THICKNESS REMAINING
1	Corrosion	2	Span 2 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 2" WIDE, AND LOWER 5" X 13" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED.

3314 **Beam 4** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
1	Corrosion	3	Span 2 Beam 4: PAR: AT BENT 2 SECTION LOSS BOTTOM FLANGE DOWN TO 5/16" REMAINING FULL WIDTH X 24" LONG, AND LOWER WEB DOWN TO 3/8" REMAINING FOR 6" TALL X 36" LONG, CORROSION ARRESTED
2	Corrosion	3	Span 2 Beam 4: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING FOR 8" LONG X 2.5" WIDE WITH RUST HOLE 3" X 1" LOCATED AT 6" FROM BEARING, LOWER 3" X 24" LONG WITH 7/16" REMAINING IN WEB, AND SECTION LOSS IN BOTTOM FLANGE DOWN TO 3/16" REMAINING FOR 36" LONG X FULL WIDTH, CORROSION ARRESTED

Span3

3314 **Beam 1** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	3	Span 3 Beam 1: PAR: AT BENT 2, SECTION LOSS 7/16" REMAINING LOWER WEB 6" X 30" LONG, AROUND END DIAPHRAGM IN WEB 7" LONG X 1" WIDE WITH 1/2" DIAMETER RUST HOLE, AND BOTTOM FLANGE DOWN TO 1/4" REMAINING FULL WIDTH X 16" LONG, CORROSION ARRESTED

3314 **Beam 3** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
1	Corrosion	2	Span 3 Beam 3: PAR: ARRESTED CORROSION WITH SECTION LOSS IN BEAM AT BENT 2, IN BOTTOM FLANGE FOR FULL WIDTH X 24" LONG WITH 7/16" OF FLANGE THICKNESS REMAINING, AND IN WEB AROUND DIAPHRAGM FOR 8" LONG X 1" WIDE X 7/16" REMAINING

3334 **Beam 4** Plate Girder

Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Span 3 Beam 4 - Near Bearing: PAR: COMPLETE SECTION LOSS IN LEFT ANCHOR BOLT NUT
2	Corrosion	3	Span 3 Beam 4: PAR: AT BENT 2 SECTION LOSS LOWER WEB DOWN 7/16" REMAINING X 3" TALL X 36" LONG, AND BOTTOM FLANGE DOWN TO 3/8" REMAINING FULL WIDTH X 24" LONG, CORROSION ARRESTED.

Priority Actions Request

Structure Number 030014

Bent 1

3354	Pile 9	Steel Pile	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Bent 1 Pile 9: PAR: TOP OF PILE ACTIVE CORROSION BOTH DOWNSTREAM FLANGE PLATES WITH COMPLETE SECTION LOSS 5-1/2" X 1", AND SECTION LOSS WITH 3/8" REMAINING 6-1/2" X 2".

Bent 2

3354	Pile 1	Steel Pile	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Bent 2 Pile 1: PAR: TOP OF PILE FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 2" TALL X 12" WIDE, NEAR FLANGE PLATE AT CONCRETE ENCASMENT ACTIVE CORROSION WITH SECTION LOSS 5" TALL X 12" WIDE, 7/16" REMAINING.
3354	Pile 4	Steel Pile	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Bent 2 Pile 4: PAR: BENT 2 TOP OF PILE 4 ACTIVE CORROSION WITH SECTION LOSS 7/16" REMAINING X 12" WIDE X 2" TALL
3354	Pile 5	Steel Pile	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	1	Bent 2 Pile 5: PAR: TOP OF PILE AT CAP ACTIVE CORROSION WITH SECTION LOSS 4" TALL X 12" WIDE X 1/4" REMAINING SECTION BOTH FLANGE PLATES AND WEB.
3354	Pile 6	Steel Pile	
Priority Level	Defect Type	Quantity	Defect Description
2	Corrosion	2	Bent 2 Pile 6: PAR: TOP OF PILE AT CAP: FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 6" WIDE X 1" TALL, DOWN TO 1/4" REMAINING. NEAR FLANGE PLATE AT CONCRETE ENCASMENT: ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 12" WIDE X 8". TALL

Slope Protection

3352	Slope Protection	Slope Protection	
Priority Level	Defect Type	Quantity	Defect Description
2		104	PAR: 13' WIDE X 8' LONG X 2' DEEP EROSION OF SPAN 1 SLOPE

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

Priority Actions Request

Structure Number 030014

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2

525 PROTECTION NEAR BENT 1
PAR: 15' X 35' X 3' DEEP EROSION OF SPAN 3 SLOPE PROTECTION ALONG
BENT 2 PILES

Element Condition and Maintenance Data

Structure Number: 030014

Inspection Date: 01/19/2021

Span 1 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,338	885	453	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	1/64" MAP CRACKING WITH EFFLORESCENCE SCATTERED THROUGHOUT UNDERSIDE OF DECK IN ALL BAYS	2	414	414	Square Feet
12	Cracking (RC and Other)	8 FULL WIDTH TRANSVERSE 1/64" CRACKS WITH EFFLORESCENCE SCATTERED THROUGHOUT UNDERSIDE OF LEFT OVERHANG. 5 SIMILAR IN RIGHT OVERHANG	2	39		Square Feet

General Comments

Span 1 Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	41	40	0	0	1	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PAR: AT BENT 1 SECTION LOSS WEB AROUND END DIAPHRAGM 1/4" REMAINING FOR 8" LONG X 2" TALL AND BOTH BOTTOM FLANGES 1/4" REMAINING, FULL WIDTH X 7" LONG	4	1	1	Feet

General Comments

Span 1 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	41	39	0	0	2	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 1 IN WEB AROUND DIAPHRAGM, FOR 8" TALL X 2" WIDE WITH 7/16" OF WEB THICKNESS REMAINING, IN LOWER WEB FOR 3" TALL X 20" LONG WITH 7/16" OF WEB THICKNESS REMAINING, AND BOTTOM FLANGE FOR FULL WIDTH X 6" LONG WITH 1/2" OF FLANGE THICKNESS REMAINING	4	2	2	Feet

General Comments

Span 1 **Beam 3**
Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	41	39	0	0	2 Feet
515	Steel Protective Coating	0	0	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 1" WIDE, LOWER 5" X 20" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED	4	2	2 Feet

General Comments

Span 1 **Beam 4**
Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	41	39	0	0	2 Feet
515	Steel Protective Coating	0	0	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING 6" LONG X 2" WIDE, AND LOWER 3" X 24" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 5/16" REMAINING X 16" LONG X FULL WIDTH, CORROSION ARRESTED.	4	2	2 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	1,130	862	240	28	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
510	Crack (Wearing Surface)	FULL WIDTH TRANSVERSE CRACK UP TO 1/2" WIDE, WITH 3 SCATTERED SPALLS UP TO 1" DIAMETER X 1" DEEP SCATTERED ALONG THE LENGTH OF CRACK, AT END BENT 1	3	28	28 Square Feet
510	Crack (Wearing Surface)	1/16" MAP CRACKING IN TRAVEL LANES	2	240	240 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	41	18	23	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	3 FULL WIDTH TRANSVERSE 1/32" CRACKS SCATTERED THROUGHOUT TOP OF PARAPET OF RAIL	2	3	Feet

331	Damage	ABRASION/WEAR IN RAIL AND PARAPET SCATTERED THROUGHOUT ITS FULL LENGTH, AGGREGATE SECURE IN PLACE	2	20	Feet
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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	41	16	25	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	3 FULL WIDTH TRANSVERSE 1/32" CRACKS SCATTERED THROUGHOUT TOP OF PARAPET OF RAIL	2	2	Feet
331	Damage	ABRASION/WEAR IN RAIL AND PARAPET SCATTERED THROUGHOUT ITS FULL LENGTH, AGGREGATE SECURE IN PLACE	2	20	Feet
331	Exposed Rebar	4" LONG EXPOSED REBARS IN TOP OF PARAPET AT END BENT 1 JOINT, NO MEASURABLE SECTION LOSS	2	3	Feet

General Comments

Span 1 Far Bearing
Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING.	2	1	Each

General Comments

Span 1 Far Bearing
Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING.	2	1	Each

General Comments

Span 1 Far Bearing
Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING.	2	1		Each

General Comments

Span 1 Far Bearing
Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING.	2	1		Each

General Comments

Span 2 Beam 1
Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	40	35	0	0	5	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PAR: 5" LONG X 2" TALL AREA OF 100% SECTION LOSS LOWER WEB, TWO RUSTED HOLES 1 FT FROM BENT 2, SECTION LOSS AREA UP TO 5" HIGH X 2.5 FT LONG IN BOTTOM OF WEB, CORROSION ARRESTED. AT BENT 2 IN BOTTOM FLANGE, 2 FT LONG X FULL WIDTH SECTION LOSS WITH 1/8" REMAINING, CORROSION ARRESTED.	4	3	3	Feet
107	Corrosion	PAR: 5" TALL X 2" WIDE AREA OF COMPLETE SECTION LOSS IN WEB AT END OF DIAPHRAGM AT BENT 1, 1/4" REMAINING ALONG BOTH BOTTOM FLANGES FOR 12" LONG X FULL WIDTH, AND 3/16" REMAINING ALONG LOWER 3" OF WEB FOR 12" LONG AT BENT 1	4	2	2	Feet

General Comments

Span 2 Beam 2
Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	40	37	3	0	0	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
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107	Corrosion	ARRESTED CORROSION WITH SECTION LOSS AT BENT 1, IN WEB AROUND END DIAPHRAGM FOR 8" X 1" WITH 7/16" OF WEB THICKNESS REMAINING	2	1	Feet
107	Corrosion	ARRESTED CORROSION WITH SECTION LOSS AT BENT 2, IN LOWER WEB FOR 4" X 24" WITH 7/16" OF WEB THICKNESS REMAINING, IN BOTTOM FLANGE FOR 6" X FULL WIDTH WITH 15/16" OF FLANGE THICKNESS REMAINING.	2	2	Feet

General Comments

Span 2

Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	40	35	0	0	5 Feet
515	Steel Protective Coating	0	0	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 2, IN LOWER WEB FOR 4" TALL X 34" LONG WITH 7/16" OF WEB THICKNESS REMAINING, IN BOTTOM FLANGE FOR FULL WIDTH X 12" LONG WITH 3/8" OF FLANGE THICKNESS REMAINING	4	3	3 Feet
107	Corrosion	PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 2" WIDE, AND LOWER 5" X 13" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED.	4	2	2 Feet

General Comments

Span 2

Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	40	34	0	0	6 Feet
515	Steel Protective Coating	0	0	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PAR: AT BENT 2 SECTION LOSS BOTTOM FLANGE DOWN TO 5/16" REMAINING FULL WIDTH X 24" LONG, AND LOWER WEB DOWN TO 3/8" REMAINING FOR 6" TALL X 36" LONG, CORROSION ARRESTED	4	3	3 Feet
107	Corrosion	PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING FOR 8" LONG X 2.5" WIDE WITH RUST HOLE 3" X 1" LOCATED AT 6" FROM BEARING, LOWER 3" X 24" LONG WITH 7/16" REMAINING IN WEB, AND SECTION LOSS IN BOTTOM FLANGE DOWN TO 3/16" REMAINING FOR 36" LONG X FULL WIDTH, CORROSION ARRESTED	4	3	3 Feet

General Comments

Span 2

Wearing Surface

Epoxy Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
510	Wearing Surface	1,120	972	120	28	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
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Structure Number: **030014**

Inspection Date: **01/19/2021**

510	Crack (Wearing Surface)	FULL WIDTH TRANSVERSE CRACK UP TO 1/4" WIDE, WITH 1 SPALL UP TO 8 FT X 3" X 2" DEEP IN NORTH BOUND TRAVEL LANE AND 1 SPALL UP TO 9" X 4" X 2" DEEP IN SOUTH BOUND TRAVEL LANE, AT BENT 1	3	28	28	Square Feet
510	Crack (Wearing Surface)	1/16" MAP CRACKING IN TRAVEL LANES	2	120	120	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	40	11	29	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Cracking (RC and Other)	4 FULL WIDTH TRANSVERSE 1/32" CRACKS SCATTERED THROUGHOUT TOP OF PARAPET OF RAIL	2	4	Feet
331	Damage	ABRASION/WEAR IN RAIL AND PARAPET SCATTERED THROUGHOUT ITS FULL LENGTH, AGGREGATE SECURE IN PLACE	2	24	Feet
331	Exposed Rebar	2 - 2" LONG EXPOSED REBARS IN TOP OF PARAPET AT BENT 1 JOINT, NO MEASURABLE SECTION LOSS	2	1	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	40	19	21	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Damage	ABRASION/WEAR IN RAIL AND PARAPET SCATTERED THROUGHOUT ITS FULL LENGTH, AGGREGATE SECURE IN PLACE	2	20	Feet
331	Exposed Rebar	1" DIAMETER X 3/4" DEEP SPALL WITH EXPOSED REBAR ON TOP OF POST 8	2	1	1 Feet

General Comments

Span 2 Near Bearing
Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING.	2	1	Each

General Comments

Span 2 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING.	2	1	Each

General Comments

Span 2 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING.	2	1	Each

General Comments

Span 2 Far Bearing**Fixed Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
313	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING.	2	1	Each

General Comments

Span 2 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING.	2	1	Each

General Comments

Span 2 Far Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING.	2	1		Each

General Comments

Span 2 Near Bearing
Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING.	2	1		Each

General Comments

Span 2 Far Bearing
Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING.	2	1		Each

General Comments

Span 3 Deck
Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,271	1,175	96	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	Cracking (RC and Other)	1/64" MAP CRACKING IN UNDERSIDE OF DECK FOR 8 FT X 6 FT IN BAY 1 AT BENT 2, SIMILAR IN BAY 2	2	96	96	Square Feet

General Comments

Span 3

Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	41	38	0	0	3 Feet
515	Steel Protective Coating	0	0	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PAR: AT BENT 2, SECTION LOSS 7/16" REMAINING LOWER WEB 6" X 30" LONG, AROUND END DIAPHRAGM IN WEB 7" LONG X 1" WIDE WITH 1/2" DIAMETER RUST HOLE, AND BOTTOM FLANGE DOWN TO 1/4" REMAINING FULL WIDTH X 16" LONG, CORROSION ARRESTED	4	3	3 Feet

General Comments

Span 3

Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	41	40	1	0	0 Feet
515	Steel Protective Coating	0	0	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	ARRESTED CORROSION WITH SECTION LOSS AT BENT 2, IN LOWER WEB FOR 4" X 13" WITH 7/16" OF WEB THICKNESS REMAINING, IN BOTTOM FLANGE FOR 6" X FULL WIDTH WITH 7/16" OF FLANGE THICKNESS REMAINING.	2	1	Feet
107	Damage	2 FT LONG HORIZONTAL HAIRLINE CRACK IN BOTTOM CORNER OF NORTH FACE OF BENT DIAPHRAGM IN BAY 1 AT BENT 2	2		2 Feet

General Comments

Span 3

Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
107	Steel Open Girder/Beam	41	39	0	0	2 Feet
515	Steel Protective Coating	0	0	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
107	Corrosion	PAR: ARRESTED CORROSION WITH SECTION LOSS IN BEAM AT BENT 2, IN BOTTOM FLANGE FOR FULL WIDTH X 24" LONG WITH 7/16" OF FLANGE THICKNESS REMAINING, AND IN WEB AROUND DIAPHRAGM FOR 8" LONG X 1" WIDE X 7/16" REMAINING	4	2	2 Feet
107	Damage	2.5 FT X 10" X 3.5" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF BENT DIAPHRAGM IN BAY 2 AT BENT 2, NO MEASURABLE SECTION LOSS	3		3 Feet
107	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN BEAM AT BENT 2, IN LOWER WEB FOR 4" X 11" WITH 7/16" OF WEB THICKNESS REMAINING.	2		Feet

General Comments

Span 3

Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	41	38	0	0	3	Feet
515	Steel Protective Coating	0	0	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	Corrosion	PAR: AT BENT 2 SECTION LOSS LOWER WEB DOWN 7/16" REMAINING X 3" TALL X 36" LONG, AND BOTTOM FLANGE DOWN TO 3/8" REMAINING FULL WIDTH X 24" LONG, CORROSION ARRESTED.	4	3	3	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	1,130	952	120	58	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	Crack (Wearing Surface)	FULL WIDTH TRANSVERSE CRACK UP TO 1/2" WIDE, WITH SCATTERED SPALLS UP TO 1" DIAMETER X 1" DEEP SCATTERED ALONG THE LENGTH OF CRACK, AT END BENT 2	3	28	28	Square Feet
510	Crack (Wearing Surface)	FULL WIDTH TRANSVERSE CRACK UP TO 1/4" WIDE OVER BENT 2	3	28	28	Square Feet
510	Patched Area/Pothole (Wearing Surface)	16" X 4" X 2" DEEP POTHOLE IN NORTH BOUND LANE OVER BENT 2	3	2	2	Square Feet
510	Crack (Wearing Surface)	1/16" MAP CRACKING IN TRAVEL LANES	2	120	120	Square Feet

General Comments

3 FT DIAMETER UNSOUND ASPHALT PATCH WITH 1 FT X 5" X 2" DEEP SPALL IN NORTHBOUND TRAVEL LANE IN NORTH APPROACH SLAB

FULL WIDTH TRANSVERSE CRACKS UP TO 1/8" WIDE SCATTERED IN 4 FT LENGTH OF NORTH APPROACH SLAB

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	41	14	27	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	Cracking (RC and Other)	5 FULL WIDTH TRANSVERSE 1/32" CRACKS SCATTERED THROUGHOUT TOP OF PARAPET OF RAIL	2	5		Feet
331	Damage	ABRASION/WEAR IN RAIL AND PARAPET SCATTERED THROUGHOUT ITS FULL LENGTH, AGGREGATE SECURE IN PLACE	2	20		Feet
331	Patched Area	16" X 9" AREA OF UNSOUND CONCRETE PATCH IN PARAPET OF RAIL AT END BENT 2	2	2		Square 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	41	21	20	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
331	Damage	ABRASION/WEAR IN RAIL AND PARAPET SCATTERED THROUGHOUT ITS FULL LENGTH, AGGREGATE SECURE IN PLACE	2	20	Feet

General Comments

Span 3 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING.	2		Each

General Comments

Span 3 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING.	2	1	Each

General Comments

Span 3 Near Bearing**Movable Bearing**

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
311	Corrosion	ARRESTED CORROSION WITH SECTION LOSS IN STEEL PLATE, 5/8" OF PLATE THICKNESS REMAINING.	2	1	Each

General Comments

Span 3 Near Bearing
Movable Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	Corrosion	PAR: COMPLETE SECTION LOSS IN LEFT ANCHOR BOLT NUT	4	1	1	Each

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	27	24	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	Cracking (RC and Other)	3 FT LONG LONGITUDINAL CRACK UP TO 1/16" WIDE IN TOP OF NORTH FACE OF CAP ABOVE PILE 1 AND 6	2	3		Feet

General Comments

Bent 1 Pile 1
Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	1	0	Each
515	Steel Protective Coating	49	49	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	TOP OF PILE 1 NEAR FLANGE ACTIVE CORROSION WITH 1/16" SECTION LOSS 12" WIDE X 2" TALL	3	1	1	Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASEMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x 4" TO 9" DEEP x FULL LENGTH OF ENCASEMENT.

Bent 1 Pile 2
Steel Pile

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	49	49	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	SCATTERED FRECKLED RUST PRESENT THROUGHOUT FULL HEIGHT OF PILE	2	1		Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASEMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x 4" TO 9" DEEP x FULL LENGTH OF ENCASEMENT.

Bent 1**Pile 3****Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	49	49	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	SCATTERED FRECKLED RUST PRESENT THROUGHOUT FULL HEIGHT OF PILE	2	1		Each

General Comments

Supplemental Pile
8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x 4" TO 9" DEEP x FULL LENGTH OF ENCASMENT.

Bent 1**Pile 4****Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	49	49	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	SCATTERED FRECKLED RUST PRESENT THROUGHOUT FULL HEIGHT OF PILE	2	1		Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x 4" TO 9" DEEP x FULL LENGTH OF ENCASMENT.

Bent 1**Pile 5****Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	49	49	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	SCATTERED FRECKLED RUST PRESENT THROUGHOUT FULL HEIGHT OF PILE	2	1		Each

General Comments

Supplemental Pile
8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x 4" TO 9" DEEP x FULL LENGTH OF ENCASMENT.

Bent 1**Pile 6****Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	49	49	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	SCATTERED FRECKLED RUST PRESENT THROUGHOUT FULL HEIGHT OF PILE	2	1		Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x

4" TO 9" DEEP x FULL LENGTH OF ENCASEMENT.

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	34	13	21	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Cracking (RC and Other)	1/32" VERTICAL CRACKING ALONG BACKWALL	2	21		Feet

General Comments

Bent 1 Pile 7**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	49	49	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	SCATTERED FRECKLED RUST PRESENT THROUGHOUT FULL HEIGHT OF PILE	2	1		Each

General Comments

Supplemental Pile
8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASEMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x 4" TO 9" DEEP x FULL LENGTH OF ENCASEMENT.

Bent 1 Pile 8**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	49	49	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	SCATTERED FRECKLED RUST PRESENT THROUGHOUT FULL HEIGHT OF PILE	2	1		Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASEMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x 4" TO 9" DEEP x FULL LENGTH OF ENCASEMENT.

Bent 1 Pile 9**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	49	49	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	PAR: TOP OF PILE ACTIVE CORROSION BOTH DOWNSTREAM FLANGE PLATES WITH COMPLETE SECTION LOSS 5-1/2" X 1", AND SECTION LOSS WITH 3/8" REMAINING 6-1/2" X 2".	4	1	1	Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED. ENCASEMENT IS UNDERMINED ALONG NORTH FACE 4" HIGH x

4" TO 9" DEEP x FULL LENGTH OF ENCASEMENT.

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	32	11	21	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	1/32" VERTICAL AND HORIZONTAL CRACKING	2	21	Feet
General Comments					

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

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
234	Reinforced Concrete Pier Cap	27	4	6	17	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	12 FT LONG LONGITUDINAL CRACK UP TO 1/16" WIDE IN TOP OF NORTH FACE OF CAP BELOW BAY 3.	3	12	12 Feet
234	Delamination/Spall	3 FT X 1.5 FT AREA OF DELAMINATION IN NORTH FACE OF CAP BELOW BAY 3	3		3 Feet
234	Patched Area	5 FT X 1 FT AREA OF UNSOUND PATCH BELOW GIRDER 3 IN NORTH FACE OF CAP	3	5	5 Feet
234	Cracking (RC and Other)	6 FT LONG HORIZONTAL 1/32" CRACK IN TOP OF NORTH FACE OF CAP IN BAY 2	2	6	Feet
General Comments					

Bent 2 Pile 1**Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty
225	Steel Pile	1	0	0	0	1 Each
515	Steel Protective Coating	119	119	0	0	0 Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
225	Corrosion	PAR: TOP OF PILE FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 2" TALL X 12" WIDE, NEAR FLANGE PLATE AT CONCRETE ENCASEMENT ACTIVE CORROSION WITH SECTION LOSS 5" TALL X 12" WIDE, 7/16" REMAINING.	4	1	2 Each
225	Corrosion	ACTIVE CORROSION WITH NO MEASURABLE SECTION LOSS IN BOTTOM OF SOUTH FLANGE OF STEEL PILE	3		1 Each
225	Damage	18" X 7" X 3" DEEP SPALL IN TOP OF CONCRETE JACKET OF PILE EXPOSING BARE STEEL	3		Each
225	Corrosion	SCATTERED FRECKLED RUST PRESENT THROUGHOUT FULL HEIGHT OF PILE	2		Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED

Bent 2**Pile 2****Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	1	0	Each
515	Steel Protective Coating	119	119	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	BENT 2 PILE 2 NEAR FLANGE PLATE ACTIVE CORROSION WITH 1/16" SECTION LOSS AT CONCRETE ENCASMENT 2" TALL X 12" WIDE, 7/16" REMAINING. TOP OF PILE, RUST AND SCALE NO SECTION LOSS 5 FT LONG X 12" ALL PLATES.	3	1	1	Each
225	Corrosion	SCATTERED FRECKLED RUST PRESENT THROUGHOUT FULL HEIGHT OF PILE	2			Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED

Bent 2**Pile 3****Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	1	0	0	Each
515	Steel Protective Coating	119	119	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Damage	18" X 2" X 3" DEEP SPALL IN TOP OF NORTH AND SOUTH FACE OF CONCRETE JACKET OF PILE EXPOSING BARE STEEL	3			Each
225	Corrosion	SCATTERED FRECKLED RUST PRESENT THROUGHOUT FULL HEIGHT OF PILE	2	1		Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED

Bent 2**Pile 4****Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	119	119	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	PAR: BENT 2 TOP OF PILE 4 ACTIVE CORROSION WITH SECTION LOSS 7/16" REMAINING X 12" WIDE X 2" TALL	4	1	1	Each
225	Damage	2 VERTICAL CRACKS UP TO 1/16" WIDE X 10" LONG IN TOP OF SOUTHWEST AND SOUTHEAST CORNER OF CONCRETE JACKET	3			Each
225	Corrosion	SCATTERED FRECKLED RUST PRESENT THROUGHOUT FULL HEIGHT OF PILE	2			Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED

Bent 2**Pile 5****Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	119	119	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	PAR: TOP OF PILE AT CAP ACTIVE CORROSION WITH SECTION LOSS 4" TALL X 12" WIDE X 1/4" REMAINING SECTION BOTH FLANGE PLATES AND WEB.	4	1	1	Each
225	Corrosion	SURFACE CORROSION SCATTERED THROUGHOUT BOTH FLANGES AND WEB ALONG FULL HEIGHT OF PILE	3			Each
225	Damage	18" X 2" X 3" DEEP SPALL IN TOP OF CONCRETE JACKET OF PILE EXPOSING BARE STEEL	3			Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED

Bent 2**Pile 6****Steel Pile**

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
225	Steel Pile	1	0	0	0	1	Each
515	Steel Protective Coating	119	119	0	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
225	Corrosion	PAR: TOP OF PILE AT CAP: FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 6" WIDE X 1" TALL, DOWN TO 1/4" REMAINING. NEAR FLANGE PLATE AT CONCRETE ENCASEMENT: ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 12" WIDE X 8". TALL	4	1	2	Each
225	Corrosion	ACTIVE CORROSION WITH NO MEASURABLE SECTION LOSS IN BOTTOM OF SOUTH FLANGE OF STEEL PILE	3		1	Each
225	Damage	18" X 12" X 3" DEEP SPALL IN TOP OF CONCRETE JACKET OF PILE EXPOSING BARE STEEL	3			Each
225	Corrosion	SCATTERED FRECKLED RUST PRESENT THROUGHOUT FULL HEIGHT OF PILE	2			Each

General Comments

8-20-2018 UNDERWATER: PILE NOT EXPOSED

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	34	24	10	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	Cracking (RC and Other)	1/32" VERTICAL CRACKING ALONG BACKWALL	2	9		Feet
215	Delamination/Spall	8" X 1" AREA OF DELAMINATION IN TOP OF BACKWALL IN BAY 3 ADJACENT TO BEAM 3	2	1		Feet

General Comments

1 FT X 3" X 4" SPALL IN BOTTOM RIGHT CORNER OF NORTHWEST WINGWALL, NO EXPOSED REBAR

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	32	10	22	0	0 Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty
234	Cracking (RC and Other)	1/32" VERTICAL AND HORIZONTAL CRACKING	2	14	Feet
234	Patched Area	15 SOUND 2" DIAMETER PATCHES IN SOUTH FACE OF CAP BELOW BAY 2	2	8	Feet

General Comments

Elements Verified

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1338
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	41
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	41
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	41
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	41
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1130
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Far Bearing	Movable Bearing	Movable Bearing	1
Span 1	Near Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1338
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	40
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	40
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	40
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	40
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	40
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	40
Span 2	Wearing Surface	Epoxy Wearing Surface	Wearing Surface	1120
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1271
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	41
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	41
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	41
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	41
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	41
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	41
Span 3	Expansion Joint	Standard Joint	Pourable Joint Seal	28
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1130
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1

Elements Verified

Location	Name	Component	Element Name	Amount
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	27
Bent 1	Pile 1	Steel Pile	Steel Pile	1
Bent 1	Pile 2	Steel Pile	Steel Pile	1
Bent 1	Pile 3	Steel Pile	Steel Pile	1
Bent 1	Pile 4	Steel Pile	Steel Pile	1
Bent 1	Pile 5	Steel Pile	Steel Pile	1
Bent 1	Pile 6	Steel Pile	Steel Pile	1
Bent 1	Pile 7	Steel Pile	Steel Pile	1
Bent 1	Pile 8	Steel Pile	Steel Pile	1
Bent 1	Pile 9	Steel Pile	Steel Pile	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	34
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	27
Bent 2	Pile 1	Steel Pile	Steel Pile	1
Bent 2	Pile 2	Steel Pile	Steel Pile	1
Bent 2	Pile 3	Steel Pile	Steel Pile	1
Bent 2	Pile 4	Steel Pile	Steel Pile	1
Bent 2	Pile 5	Steel Pile	Steel Pile	1
Bent 2	Pile 6	Steel Pile	Steel Pile	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	32
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	34

General Inspection Notes

Span 3

Expansion Joint

not visible, paved over

National Bridge and NC Inspection Items

Structure Number: 030014

Inspection Date: 01/19/2021

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9, N	7
Item 59: Superstructure	0 - 9, N	4
Item 60: Substructure	0 - 9, N	4
Item 61: Channel and Channel Protection	0 - 9, N	6
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: If NBI Inspection Item is not present, code NBI item with "N"

NC SMU Inspection Items

Item	Grade Scale	Grade	Maint. Qty.	Maint. Code
Deck Debris	G, F, P, or C	F	3947	3376
Drainage System	G, F, P, or C	F	240	3332
Utilities	G, F, P, or C			
Slope Protection	G, F, P, or C	P	630	3352
Scour	G, F, P, or C	F		
Wingwall	G, F, P, or C	F	2	3350
Field Scour Evaluation		E		
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		I		

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	N
Priority Maintenance Request Submitted	YES/NO	Y
Inspection Time	Hours	10
Traffic Control Time	Hours	0
Snooper Time	Hours	0
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: 030014

Inspection Date: 01/19/2021

Item	Superstructure - Item 59	Grade 4	Maint Code	Qty. 0
Details	ALL GIRDERS HAVE BEEN PAINTED AND SECTION LOSS HAS BEEN ARRESTED MANY GIRDERS HAVE ADVANCED TO COMPLETE SECTION LOSS IN BOTTOM FLANGES AND WEBS AT INTERIOR BENTS GIRDER 4 SPAN 3 NEAR BEARING HAS COMPLETE SECTION LOSS ON LEFT ANCHOR BOLT NUT			
Item	Substructure - Item 60	Grade 4	Maint Code	Qty. 0
Details	SEVERAL PILES AT BENTS 1 AND 2 HAVE MODERATE SECTION LOSS AT TOP AND/OR BOTTOM OF PILES BENT 1 PILE 9 HAS COMPLETE SECTION LOSS ON BOTH DOWNSTREAM FLANGES AT TOP OF PILE BENT 1 CONCRETE PILE ENCASEMENT IS NOT TOUCHING STREAMBED			
Item	Deck Debris	Grade F	Maint Code 3376	Qty. 3947
Details	DEBRIS ALONG BOTH RAILS			
Item	Drainage System	Grade F	Maint Code 3332	Qty. 240
Details	DEBRIS BLOCKING DRAINAGE			
Item	Slope Protection	Grade P	Maint Code 3352	Qty. 630
Details	13' WIDE X 8' LONG X 2' DEEP EROSION OF SPAN 1 SLOPE PROTECTION NEAR BENT 1 15' LONG X 35' WIDE X 3' DEEP EROSION OF SPAN 3 SLOPE PROTECTION AROUND BENT 2 PILES BENT 1 IS UNDERMINED 12" DEEP UNDERNEATH			
Item	Scour	Grade F	Maint Code	Qty. 0
Details	BENT 1 HAS BEEN UNDERMINED UP TO 1' UNDER BOTTOM OF CONCRETE ENCASEMENT BUT PILES PROTRUDE DOWNSWARD AND 4' DEEP BENT 2 HAS BEEN SCOURED AROUND PILES UP TO 3' DEEP			
Item	Wingwalls	Grade F	Maint Code 3350	Qty. 2
Details	2' X 5" X 1" SPALL ON SOUTHEAST WINGWALL			
Item	General Comments and Misc Items	Grade	Maint Code	Qty. 0
Details	POTHOLING OVER INTERIOR BENTS IN WEARING SURFACE			
Item	Portion of structure in > 3' of water (Y or N)	Grade Y	Maint Code	Qty. 0
Details	BENT 1			



Span 3 Wearing Surface: FULL WIDTH TRANSVERSE CRACK UP TO 1/2" WIDE, WITH SCATTERED SPALLS UP TO 1" DIAMETER X 1" DEEP SCATTERED ALONG THE LENGTH OF CRACK, AT END BENT 2



Span 3 Wearing Surface: FULL WIDTH TRANSVERSE CRACK UP TO 1/4" WIDE OVER BENT 2



Span 3 Wearing Surface: 16" X 4" X 2" DEEP POTHOLE IN NORTH BOUND LANE OVER BENT 2



Span 2 Wearing Surface: FULL WIDTH TRANSVERSE CRACK UP TO 1/4" WIDE, WITH 1 SPALL UP TO 8 FT X 3" X 2" DEEP IN NORTH BOUND TRAVEL LANE AND 1 SPALL UP TO 9" X 4" X 2" DEEP IN SOUTH BOUND TRAVEL LANE, AT BENT 1



Span 1 Wearing Surface: FULL WIDTH TRANSVERSE CRACK UP TO 1/2" WIDE, WITH 3 SCATTERED SPALLS UP TO 1" DIAMETER X 1" DEEP SCATTERED ALONG THE LENGTH OF CRACK, AT END BENT 1



3' X 1' X 2 1/2" DEEP POTHOLE IN SOUTH APPROACH AT SOUTH BOUND LANE



Span 1 Wearing Surface: 1/16" MAP CRACKING IN TRAVEL LANES



DEBRIS ALONG BOTH RAILS



Span 2 Right Bridge Rail: 1" DIAMETER X 3/4" DEEP SPALL WITH EXPOSED REBAR ON TOP OF POST 8



Span 3 Left Bridge Rail: 5 FULL WIDTH TRANSVERSE 1/32" CRACKS SCATTERED THROUGHOUT TOP OF PARAPET OF RAIL



2' X 5" X 1" SPALL ON TOP OF SOUTHEAST WINGWALL



End Bent 1 Cap 1: 1/32" VERTICAL AND HORIZONTAL CRACKING



End Bent 1 Abutment: 1/32" VERTICAL CRACKING ALONG BACKWALL



Span 1 Deck: 1/64" MAP CRACKING WITH EFFLORESCENCE SCATTERED THROUGHOUT UNDERSIDE OF DECK IN ALL BAYS



PAR: 13' WIDE X 8' LONG X 2' DEEP EROSION OF SPAN 1 SLOPE PROTECTION NEAR BENT 1



Bent 1 Pile 9: PAR: TOP OF PILE ACTIVE CORROSION BOTH DOWNSTREAM FLANGE PLATES WITH COMPLETE SECTION LOSS 5-1/2" X 1", AND SECTION LOSS WITH 3/8" REMAINING 6-1/2" X 2".



Bent 1 Cap 1: 3 FT LONG LONGITUDINAL CRACK UP TO 1/16" WIDE IN TOP OF NORTH FACE OF CAP ABOVE PILE 1 AND 6



BENT 1 CONCRETE PILE ENCASEMENT IS NOT TOUCHING THE STREAMBED



Span 1 Beam 1: PAR: AT BENT 1 SECTION LOSS WEB AROUND END DIAPHRAGM 1/4" REMAINING FOR 8" LONG X 2" TALL AND BOTH BOTTOM FLANGES 1/4" REMAINING, FULL WIDTH X 7" LONG



Span 2 Beam 1: PAR: 5" TALL X 2" WIDE AREA OF COMPLETE SECTION LOSS IN WEB AT END OF DIAPHRAGM AT BENT 1, 1/4" REMAINING ALONG BOTH BOTTOM FLANGES FOR 12" LONG X FULL WIDTH, AND 3/16" REMAINING ALONG LOWER 3" OF WEB FOR 12" LONG AT BENT 1



Span 1 Beam 2: PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 1 IN WEB AROUND DIAPHRAGM, FOR 8" TALL X 2" WIDE WITH 7/16" OF WEB THICKNESS REMAINING, IN LOWER WEB FOR 3" TALL X 20" LONG WITH 7/16" OF WEB THICKNESS REMAINING, AND BOTTOM FLANGE FOR FULL WIDTH X 6" LONG WITH 1/2" OF FLANGE THICKNESS REMAINING



Span 1 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 1" WIDE, LOWER 5" X 20" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED



Span 2 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 2" WIDE, AND LOWER 5" X 13" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED.



Span 1 Beam 4: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING 6" LONG X 2" WIDE, AND LOWER 3" X 24" LONG WITH 7/16" REMAINING, 3" X 24" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 5/16" REMAINING X 16" LONG X FULL WIDTH, CORROSION ARRESTED.



Span 2 Beam 4: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING FOR 8" LONG X 2.5" WIDE WITH RUST HOLE 3" X 1" LOCATED AT 6" FROM BEARING, LOWER 3" X 24" LONG WITH 7/16" REMAINING IN WEB, AND SECTION LOSS IN BOTTOM FLANGE DOWN TO 3/16" REMAINING FOR 36" LONG X FULL WIDTH, CORROSION ARRESTED



Bent 2 Pile 1: PAR: TOP OF PILE FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 2" TALL X 12" WIDE



Bent 2 Pile 6: PAR: TOP OF PILE AT CAP: FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 6" WIDE X 1" TALL, DOWN TO 1/4" REMAINING.



Bent 2 Pile 5: PAR: TOP OF PILE AT CAP ACTIVE CORROSION WITH SECTION LOSS 4" TALL X 12" WIDE X 1/4" REMAINING SECTION BOTH FLANGE PLATES AND WEB.



Bent 2 Pile 4: PAR: BENT 2 TOP OF PILE 4 ACTIVE CORROSION WITH SECTION LOSS 7/16" REMAINING X 12" WIDE X 2" TALL



Span 2 Beam 1: PAR: 5" LONG X 2" TALL AREA OF 100% SECTION LOSS LOWER WEB, TWO RUSTED HOLES 1 FT FROM BENT 2, SECTION LOSS AREA UP TO 5" HIGH X 2.5 FT LONG IN BOTTOM OF WEB, CORROSION ARRESTED. AT BENT 2 IN BOTTOM FLANGE, 2 FT LONG X FULL WIDTH SECTION LOSS WITH 1/8" REMAINING, CORROSION ARRESTED.



Span 3 Beam 1: PAR: AT BENT 2, SECTION LOSS 7/16" REMAINING LOWER WEB 6" X 30" LONG, AROUND END DIAPHRAGM IN WEB 7" LONG X 1" WIDE WITH 1/2" DIAMETER RUST HOLE, AND BOTTOM FLANGE DOWN TO 1/4" REMAINING FULL WIDTH X 16" LONG, CORROSION ARRESTED



Span 3 Beam 3: PAR: ARRESTED CORROSION WITH SECTION LOSS IN BEAM AT BENT 2, IN BOTTOM FLANGE FOR FULL WIDTH X 24" LONG WITH 7/16" OF FLANGE THICKNESS REMAINING, AND IN WEB AROUND DIAPHRAGM FOR 8" LONG X 1" WIDE X 7/16" REMAINING



Span 2 Beam 3: PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 2, IN LOWER WEB FOR 4" TALL X 34" LONG WITH 7/16" OF WEB THICKNESS REMAINING, IN BOTTOM FLANGE FOR FULL WIDTH X 12" LONG WITH 3/8" OF FLANGE THICKNESS REMAINING



Span 3 Beam 4: PAR: AT BENT 2 SECTION LOSS LOWER WEB DOWN 7/16" REMAINING X 3" TALL X 36" LONG, AND BOTTOM FLANGE DOWN TO 3/8" REMAINING FULL WIDTH X 24" LONG, CORROSION ARRESTED.



Span 3 Beam 4 - Near Bearing: PAR: COMPLETE SECTION LOSS IN LEFT ANCHOR BOLT NUT



Span 2 Beam 4: PAR: AT BENT 2 SECTION LOSS BOTTOM FLANGE DOWN TO 5/16" REMAINING FULL WIDTH X 24" LONG, AND LOWER WEB DOWN TO 3/8" REMAINING FOR 6" TALL X 36" LONG, CORROSION ARRESTED



PAR: 15' LONG X 35' WIDE X 3' DEEP EROSION OF SPAN 3 SLOPE PROTECTION AROUND BENT 2 PILES



Bent 2 Pile 1: PAR: NEAR FLANGE PLATE AT CONCRETE ENCASEMENT ACTIVE CORROSION WITH SECTION LOSS 5" TALL X 12" WIDE, 7/16" REMAINING.



Bent 2 Pile 6: PAR: NEAR FLANGE PLATE AT CONCRETE ENCASEMENT: ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 12" WIDE X 8" TALL

Stream Bed Soundings

(Profile diagram on following sheet)

County **ANSON**

Structure Number: **030014**

Inspection Date **01/14/2021**

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

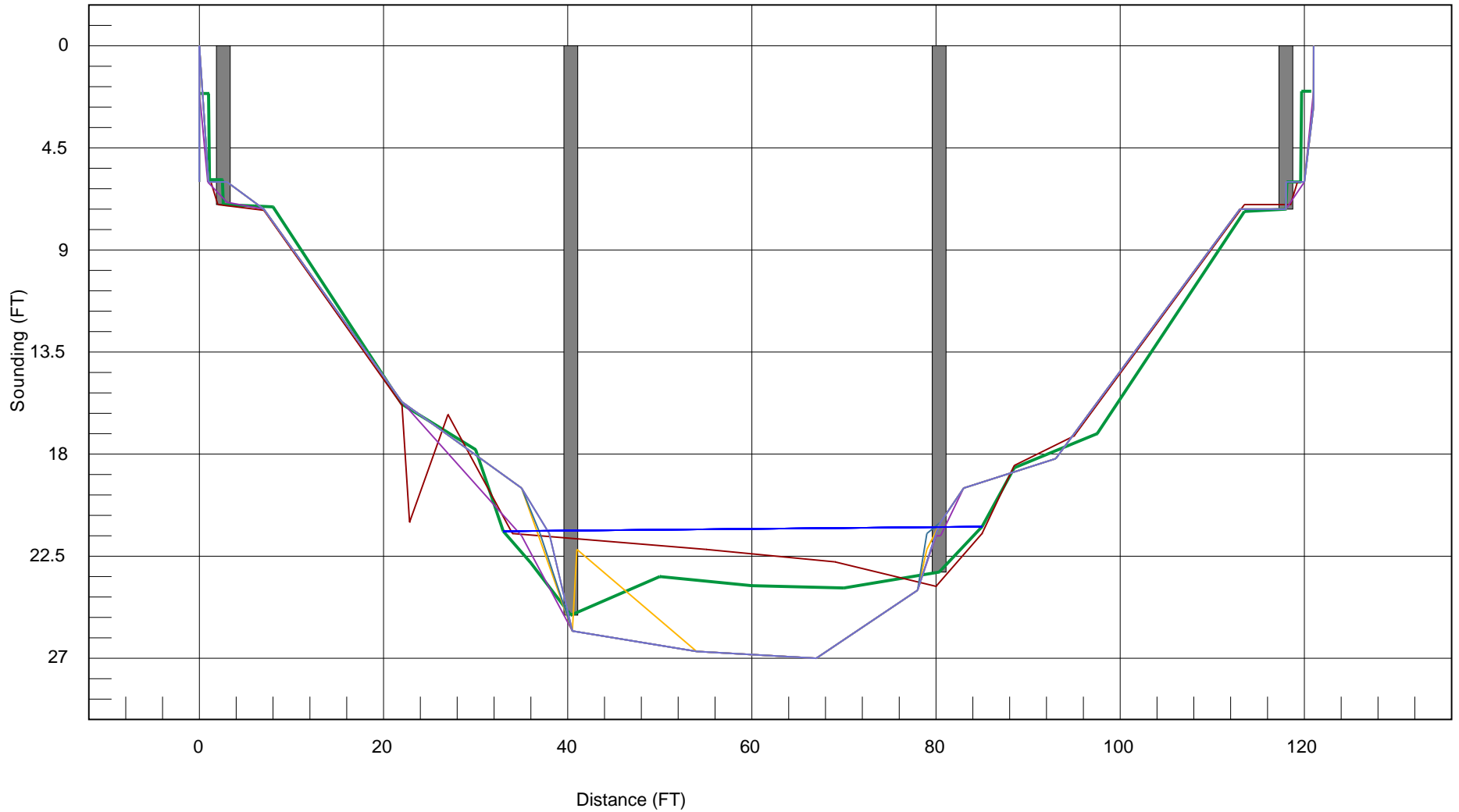
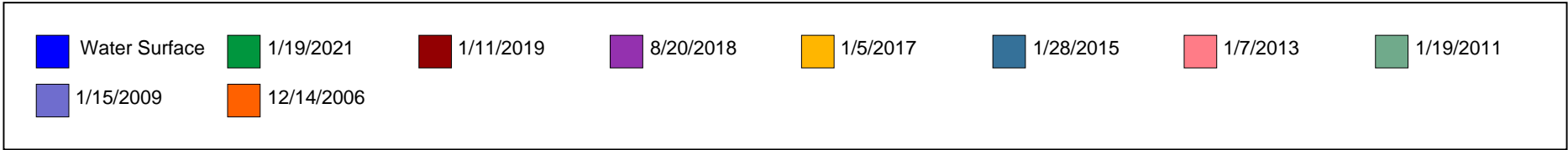
Highwater Mark Distance

Location of Highwater Mark

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.100	0.000	TOP OF BACKWALL
1.000	2.100	0.000	TOP OF BACKWALL
1.100	5.900	0.000	TOP OF CAP
2.500	5.900	0.000	TOP OF CAP
2.600	7.000	7.200	FACE OF ABUTMENT
8.000	7.100	0.000	TOP OF SLOPE
22.000	15.800	0.000	TOE OF SLOPE
30.000	17.800	0.000	N/G
33.000	21.400	0.000	WSWE
36.000	22.800	0.000	STREAMBED
40.340	25.100	24.100	BENT 1
50.000	23.400	0.000	STREAMBED
60.000	23.800	0.000	STREAMBED
70.000	23.900	0.000	STREAMBED
80.340	23.200	23.200	BENT 2
85.000	21.200	0.000	WSWE
88.500	18.600	0.000	N/G
97.500	17.100	0.000	
113.500	7.300	0.000	TOP OF SLOPE
118.000	7.200	7.200	FACE OF ABUTMENT
118.100	6.000	0.000	TOP OF CAP
119.600	6.000	0.000	TOP OF CAP
119.700	2.000	0.000	TOP OF BACKWALL
120.670	2.000	0.000	TOP OF BACKWALL

STREAMBED PROFILE (Downstream)

Top of Rail = 0FT (Sounding)

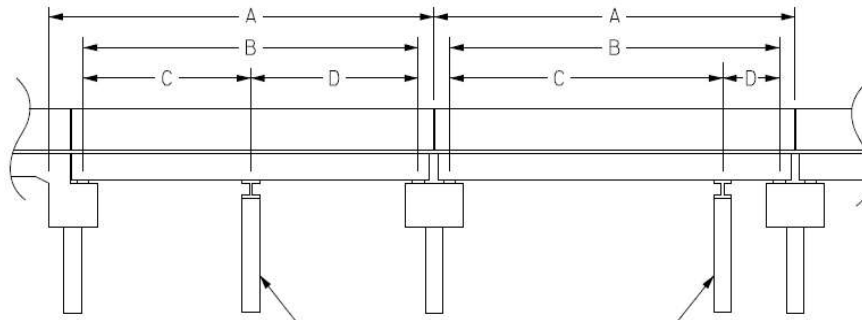


Structure Data Worksheet

Span Profile

County: **ANSON**

Structure Number: **030014**



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

Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	40.333	39.000			
2	40.000	39.000			
3	40.333	39.000			



NORTH APPROACH



NORTHEAST GUARDRAIL END TREATMENT



TYPICAL GUARDRAIL END TREATMENT



TYPICAL APPROACH GUARDRAIL POST SPACING



TYPICAL GUARDRAIL CONNECTION



TYPICAL RAIL



LOOKING EAST DOWNSTREAM



LOOKING WEST UPSTREAM



LOOKING NORTH FROM BRIDGE



LOOKING SOUTH FROM BRIDGE



SOUTH APPROACH



END BENT BEARING



TYPICAL INTERMEDIATE DIAPHRAGM



TYPICAL UNDERDECK



BENT 2



BENT 1



TYPICAL OVERHANG



LOOKING WEST UPSTREAM UNDER SPAN 2



EAST ELEVATION



WEST ELEVATION



TYPICAL UNDERSIDE



INTERIOR BENT BEARING



END BENT 2



TYPICAL WINGWALL






BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 030014

County ANSON

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	1	Span 1 Beam 1: PAR: AT BENT 1 SECTION LOSS WEB AROUND END DIAPHRAGM 1/4" REMAINING FOR 8" LONG X 2" TALL AND BOTH BOTTOM FLANGES 1/4" REMAINING, FULL WIDTH X 7" LONG	
 3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 2: PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 1 IN WEB AROUND DIAPHRAGM, FOR 8" TALL X 2" WIDE WITH 7/16" OF WEB THICKNESS REMAINING, IN LOWER WEB FOR 3" TALL X 20" LONG WITH 7/16" OF WEB THICKNESS REMAINING, AND BOTTOM FLANGE FOR FULL WIDTH X 6" LONG WITH 1/2" OF FLANGE THICKNESS REMAINING	
 3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 1" WIDE, LOWER 5" X 20" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED	
 3314	Maintain Steel Superstructure Components	LF	2	Span 1 Beam 4: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING 6" LONG X 2" WIDE, AND LOWER 3" X 24" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 5/16" REMAINING X 16" LONG X FULL WIDTH, CORROSION ARRESTED.	
 3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 1: PAR: 5" TALL X 2" WIDE AREA OF COMPLETE SECTION LOSS IN WEB AT END OF DIAPHRAGM AT BENT 1, 1/4" REMAINING ALONG BOTH BOTTOM FLANGES FOR 12" LONG X FULL WIDTH, AND 3/16" REMAINING ALONG LOWER 3" OF WEB FOR 12" LONG AT BENT 1	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined






BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 030014

County ANSON

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 1: PAR: 5" LONG X 2" TALL AREA OF 100% SECTION LOSS LOWER WEB, TWO RUSTED HOLES 1 FT FROM BENT 2, SECTION LOSS AREA UP TO 5" HIGH X 2.5 FT LONG IN BOTTOM OF WEB, CORROSION ARRESTED. AT BENT 2 IN BOTTOM FLANGE, 2 FT LONG X FULL WIDTH SECTION LOSS WITH 1/8" REMAINING, CORROSION ARRESTED.	
 3314	Maintain Steel Superstructure Components	LF	2	Span 2 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 2" WIDE, AND LOWER 5" X 13" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED.	
 3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 3: PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 2, IN LOWER WEB FOR 4" TALL X 34" LONG WITH 7/16" OF WEB THICKNESS REMAINING, IN BOTTOM FLANGE FOR FULL WIDTH X 12" LONG WITH 3/8" OF FLANGE THICKNESS REMAINING	
 3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 4: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING FOR 8" LONG X 2.5" WIDE WITH RUST HOLE 3" X 1" LOCATED AT 6" FROM BEARING, LOWER 3" X 24" LONG WITH 7/16" REMAINING IN WEB, AND SECTION LOSS IN BOTTOM FLANGE DOWN TO 3/16" REMAINING FOR 36" LONG X FULL WIDTH, CORROSION ARRESTED	
 3314	Maintain Steel Superstructure Components	LF	3	Span 2 Beam 4: PAR: AT BENT 2 SECTION LOSS BOTTOM FLANGE DOWN TO 5/16" REMAINING FULL WIDTH X 24" LONG, AND LOWER WEB DOWN TO 3/8" REMAINING FOR 6" TALL X 36" LONG, CORROSION ARRESTED	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined









BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 030014

County ANSON

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3314	Maintain Steel Superstructure Components	LF	3	Span 3 Beam 1: PAR: AT BENT 2, SECTION LOSS 7/16" REMAINING LOWER WEB 6" X 30" LONG, AROUND END DIAPHRAGM IN WEB 7" LONG X 1" WIDE WITH 1/2" DIAMETER RUST HOLE, AND BOTTOM FLANGE DOWN TO 1/4" REMAINING FULL WIDTH X 16" LONG, CORROSION ARRESTED	
 3314	Maintain Steel Superstructure Components	LF	2	Span 3 Beam 3: PAR: ARRESTED CORROSION WITH SECTION LOSS IN BEAM AT BENT 2, IN BOTTOM FLANGE FOR FULL WIDTH X 24" LONG WITH 7/16" OF FLANGE THICKNESS REMAINING, AND IN WEB AROUND DIAPHRAGM FOR 8" LONG X 1" WIDE X 7/16" REMAINING	
 3314	Maintain Steel Superstructure Components	LF	3	Span 3 Beam 4: PAR: AT BENT 2 SECTION LOSS LOWER WEB DOWN 7/16" REMAINING X 3" TALL X 36" LONG, AND BOTTOM FLANGE DOWN TO 3/8" REMAINING FULL WIDTH X 24" LONG, CORROSION ARRESTED.	
 3334	Bridge Bearings	EA	1	Span 3 Beam 4 - Near Bearing: PAR: COMPLETE SECTION LOSS IN LEFT ANCHOR BOLT NUT	
 3352	Maint Slope Protection	SF	104	PAR: 13' WIDE X 8' LONG X 2' DEEP EROSION OF SPAN 1 SLOPE PROTECTION NEAR BENT 1	
 3352	Maint Slope Protection	SF	525	PAR: 15' X 35' X 3' DEEP EROSION OF SPAN 3 SLOPE PROTECTION ALONG BENT 2 PILES	
 3354	Maintain Steel Substructure Components	LF	1	Bent 1 Pile 9: PAR: TOP OF PILE ACTIVE CORROSION BOTH DOWNSTREAM FLANGE PLATES WITH COMPLETE SECTION LOSS 5-1/2" X 1", AND SECTION LOSS WITH 3/8" REMAINING 6-1/2" X 2".	
 3354	Maintain Steel Substructure Components	LF	2	Bent 2 Pile 1: PAR: TOP OF PILE FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 2" TALL X 12" WIDE, NEAR FLANGE PLATE AT CONCRETE ENCASMENT ACTIVE CORROSION WITH SECTION LOSS 5" TALL X 12" WIDE, 7/16" REMAINING.	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined




BRIDGE INSPECTOR'S RECOMMENDATION FOR MAINTENANCE REPAIRS

Bridge: 030014

County ANSON

Date:

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

MMS Code	Description of Function	Unit	Quantity	Remarks	Est. Cost
 3354	Maintain Steel Substructure Components	LF	1	Bent 2 Pile 4: PAR: BENT 2 TOP OF PILE 4 ACTIVE CORROSION WITH SECTION LOSS 7/16" REMAINING X 12" WIDE X 2" TALL	
 3354	Maintain Steel Substructure Components	LF	1	Bent 2 Pile 5: PAR: TOP OF PILE AT CAP ACTIVE CORROSION WITH SECTION LOSS 4" TALL X 12" WIDE X 1/4" REMAINING SECTION BOTH FLANGE PLATES AND WEB.	
 3354	Maintain Steel Substructure Components	LF	2	Bent 2 Pile 6: PAR: TOP OF PILE AT CAP: FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 6" WIDE X 1" TALL, DOWN TO 1/4" REMAINING. NEAR FLANGE PLATE AT CONCRETE ENCASMENT: ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 12" WIDE X 8". TALL	

Key

 Priority Maintenance Item

 Critical Finding Item

 Priority Maintenance Level Not Determined

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 030014

County ANSON

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
Span 1 Beam 1: PAR: AT BENT 1 SECTION LOSS WEB AROUND END DIAPHRAGM 1/4" REMAINING FOR 8" LONG X 2" TALL AND BOTH BOTTOM FLANGES 1/4" REMAINING, FULL WIDTH X 7" LONG		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
Span 1 Beam 2: PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 1 IN WEB AROUND DIAPHRAGM, FOR 8" TALL X 2" WIDE WITH 7/16" OF WEB THICKNESS REMAINING, IN LOWER WEB FOR 3" TALL X 20" LONG WITH 7/16" OF WEB THICKNESS REMAINING, AND BOTTOM FLANGE FOR FULL WIDTH X 6" LONG WITH 1/2" OF FLANGE THICKNESS REMAINING		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 030014

County ANSON

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
<p>Span 1 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 1" WIDE, LOWER 5" X 20" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED</p>		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
<p>Span 1 Beam 4: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING 6" LONG X 2" WIDE, AND LOWER 3" X 24" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 5/16" REMAINING X 16" LONG X FULL WIDTH, CORROSION ARRESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 030014

County ANSON

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
<p>Span 2 Beam 1: PAR: 5" TALL X 2" WIDE AREA OF COMPLETE SECTION LOSS IN WEB AT END OF DIAPHRAGM AT BENT 1, 1/4" REMAINING ALONG BOTH BOTTOM FLANGES FOR 12" LONG X FULL WIDTH, AND 3/16" REMAINING ALONG LOWER 3" OF WEB FOR 12" LONG AT BENT 1</p>		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
<p>Span 2 Beam 1: PAR: 5" LONG X 2" TALL AREA OF 100% SECTION LOSS LOWER WEB, TWO RUSTED HOLES 1 FT FROM BENT 2, SECTION LOSS AREA UP TO 5" HIGH X 2.5 FT LONG IN BOTTOM OF WEB, CORROSION ARRESTED. AT BENT 2 IN BOTTOM FLANGE, 2 FT LONG X FULL WIDTH SECTION LOSS WITH 1/8" REMAINING, CORROSION ARRESTED.</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 030014

County ANSON

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
Span 2 Beam 3: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 3/8" REMAINING 8" LONG X 2" WIDE, AND LOWER 5" X 13" LONG WITH 7/16" REMAINING, BOTTOM FLANGE SECTION LOSS DOWN TO 1/2" REMAINING X 8" LONG X FULL WIDTH, CORROSION ARRESTED.		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
Span 2 Beam 3: PAR: ARRESTED CORROSION WITH SECTION LOSS AT BENT 2, IN LOWER WEB FOR 4" TALL X 34" LONG WITH 7/16" OF WEB THICKNESS REMAINING, IN BOTTOM FLANGE FOR FULL WIDTH X 12" LONG WITH 3/8" OF FLANGE THICKNESS REMAINING		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 030014

County ANSON

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
<p>Span 2 Beam 4: PAR: AT BENT 1, SECTION LOSS IN WEB AROUND DIAPHRAGM 5/16" REMAINING FOR 8" LONG X 2.5" WIDE WITH RUST HOLE 3" X 1" LOCATED AT 6" FROM BEARING, LOWER 3" X 24" LONG WITH 7/16" REMAINING IN WEB, AND SECTION LOSS IN BOTTOM FLANGE DOWN TO 3/16" REMAINING FOR 36" LONG X FULL WIDTH, CORROSION ARRESTED</p>		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
<p>Span 2 Beam 4: PAR: AT BENT 2 SECTION LOSS BOTTOM FLANGE DOWN TO 5/16" REMAINING FULL WIDTH X 24" LONG, AND LOWER WEB DOWN TO 3/8" REMAINING FOR 6" TALL X 36" LONG, CORROSION ARRESTED</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 030014

County ANSON

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
<p>Span 3 Beam 1: PAR: AT BENT 2, SECTION LOSS 7/16" REMAINING LOWER WEB 6" X 30" LONG, AROUND END DIAPHRAGM IN WEB 7" LONG X 1" WIDE WITH 1/2" DIAMETER RUST HOLE, AND BOTTOM FLANGE DOWN TO 1/4" REMAINING FULL WIDTH X 16" LONG, CORROSION ARRESTED</p>		

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
<p>Span 3 Beam 3: PAR: ARRESTED CORROSION WITH SECTION LOSS IN BEAM AT BENT 2, IN BOTTOM FLANGE FOR FULL WIDTH X 24" LONG WITH 7/16" OF FLANGE THICKNESS REMAINING, AND IN WEB AROUND DIAPHRAGM FOR 8" LONG X 1" WIDE X 7/16" REMAINING</p>		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 030014

County ANSON

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

MMS Code	MMS Description	Quantity
3314	Maintain Steel Superstructure Components	3 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
Span 3 Beam 4: PAR: AT BENT 2 SECTION LOSS LOWER WEB DOWN 7/16" REMAINING X 3" TALL X 36" LONG, AND BOTTOM FLANGE DOWN TO 3/8" REMAINING FULL WIDTH X 24" LONG, CORROSION ARRESTED.		

MMS Code	MMS Description	Quantity
3334	Bridge Bearings	1 EA
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
Span 3 Beam 4 - Near Bearing: PAR: COMPLETE SECTION LOSS IN LEFT ANCHOR BOLT NUT		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 030014

County ANSON

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

MMS Code	MMS Description	Quantity
3352	Maint Slope Protection	104 SF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
PAR: 13' WIDE X 8' LONG X 2' DEEP EROSION OF SPAN 1 SLOPE PROTECTION NEAR BENT 1		

MMS Code	MMS Description	Quantity
3352	Maint Slope Protection	525 SF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
PAR: 15' X 35' X 3' DEEP EROSION OF SPAN 3 SLOPE PROTECTION ALONG BENT 2 PILES		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 030014

County ANSON

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
Bent 1 Pile 9: PAR: TOP OF PILE ACTIVE CORROSION BOTH DOWNSTREAM FLANGE PLATES WITH COMPLETE SECTION LOSS 5-1/2" X 1", AND SECTION LOSS WITH 3/8" REMAINING 6-1/2" X 2".		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
Bent 2 Pile 1: PAR: TOP OF PILE FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 2" TALL X 12" WIDE, NEAR FLANGE PLATE AT CONCRETE ENCASEMENT ACTIVE CORROSION WITH SECTION LOSS 5" TALL X 12" WIDE, 7/16" REMAINING.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

Bridge: 030014

County ANSON

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
Bent 2 Pile 4: PAR: BENT 2 TOP OF PILE 4 ACTIVE CORROSION WITH SECTION LOSS 7/16" REMAINING X 12" WIDE X 2" TALL		

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	1 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
Bent 2 Pile 5: PAR: TOP OF PILE AT CAP ACTIVE CORROSION WITH SECTION LOSS 4" TALL X 12" WIDE X 1/4" REMAINING SECTION BOTH FLANGE PLATES AND WEB.		

BRIDGE INSPECTOR'S RECOMMENDATION FOR PRIORITY MAINTENANCE REPAIRS

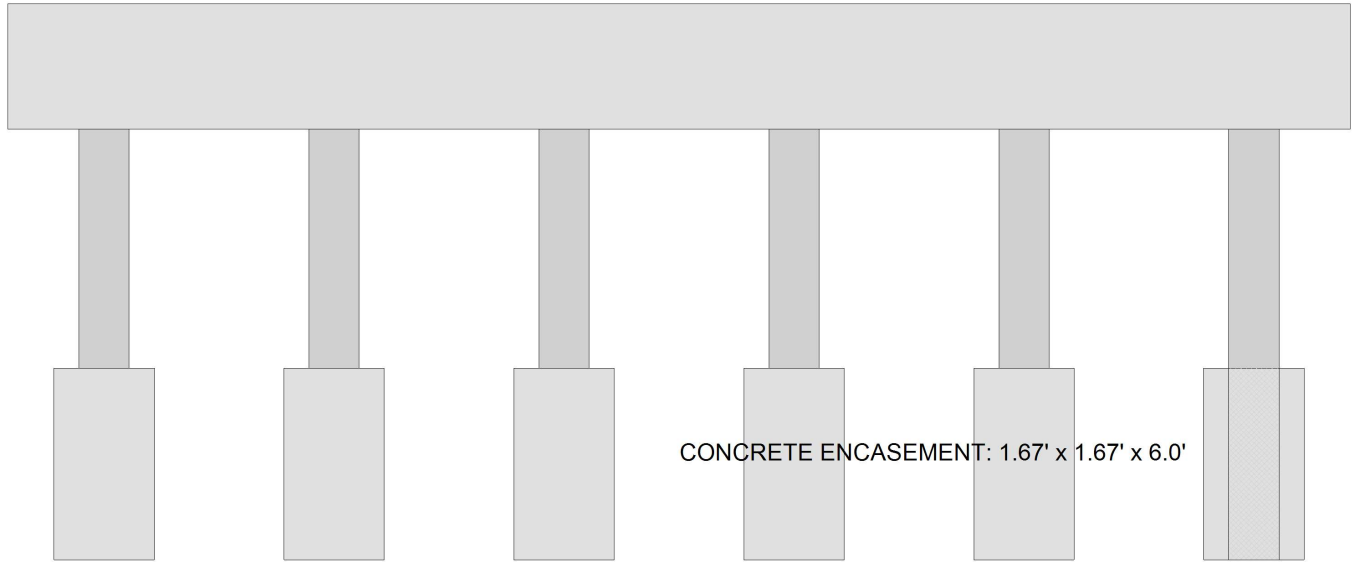
Bridge: 030014

County ANSON

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

MMS Code	MMS Description	Quantity
3354	Maintain Steel Substructure Components	2 LF
Location:		
Bent/Span No.		
Priority Level	Status	
	Request Awaiting Assignment	
Submitted Date:	Submitted By:	Assisted By:
01/20/2021	J. B. WHITE	
Details		
Bent 2 Pile 6: PAR: TOP OF PILE AT CAP: FAR FLANGE PLATE ACTIVE CORROSION WITH SECTION LOSS 6" WIDE X 1" TALL, DOWN TO 1/4" REMAINING. NEAR FLANGE PLATE AT CONCRETE ENCASEMENT: ACTIVE CORROSION WITH SECTION LOSS 1/4" REMAINING 12" WIDE X 8". TALL		

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.				
26.750 ft.	2.500 ft.	2.500 ft.	1.917 ft.	1.917 ft.	1.500 ft.	1.500 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	Steel	4.583 ft.	1.0' x 1.0'			Vertical	Yes	No	No	Yes
2	Steel	4.583 ft.	1.0' x 1.0'			Vertical	Yes	No	No	Yes
3	Steel	4.583 ft.	1.0' x 1.0'			Vertical	Yes	No	No	Yes
4	Steel	4.583 ft.	1.0' x 1.0'			Vertical	Yes	No	No	Yes
5	Steel	4.583 ft.	1.0' x 1.0'			Vertical	Yes	No	No	Yes
6	Steel		1.0' x 1.0'			Vertical	Yes	No	No	Yes
VERIFIED 01/11/19 BY OJP										
MEASUREMENTS VERIFIED 1-19-21 JBW										
Bent/Abutment #: 2			Similar Bents: NONE							

Title			Description			
INTERIOR BENT 2			CONCRETE CAP ON H-PILES			
Bridge No: 030014	Drawn By: EC BLAKE		Date: 1/15/2009	File Name: S0070000809		

Bridge Inspection Field Sketch



MEASUREMENTS TAKEN 50' SOUTH OF BRIDGE

Roadway	22.5ft Wide	2 Paved Lanes	Looking North
Left Shoulder	1ft Wide	1ft Paved	
Right Shoulder	1ft Wide	1ft Paved	
Left Guardrail			
Right Guardrail			

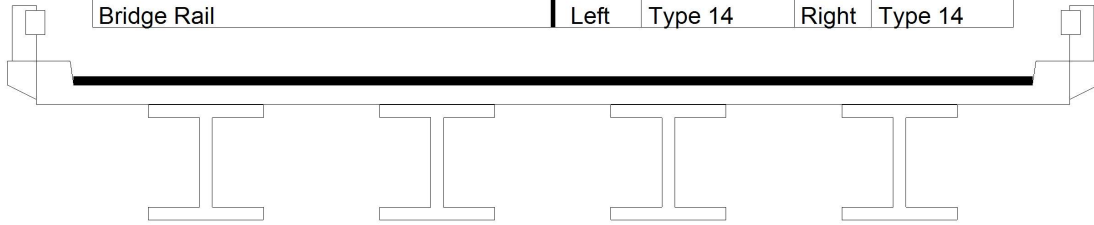
VERIFIED BY OJP 01/11/19

MEASUREMENTS REVISED 1-19-21 JBW

Title APPROACH ROADWAY		Description ROADWAY	
Bridge No: 030014	Drawn By: EC BLAKE	Date: 1/15/2009	File Name: S0070001269

Bridge Inspection Field Sketch

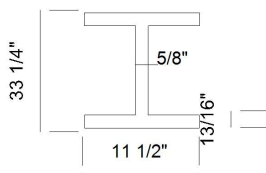
Deck Width/Out to Out	33.167ft	Between Rails	31.33ft
Clear Roadway	28ft	Wearing Surface	0.25ft
Median Width		Median Height	
Curb Height		Left	0.583ft
		Right	0.583ft
Sidewalk Width		Left	
		Right	
Clear Roadway (Rail to Median)		Left	
		Right	
Guardrail Width		Left	
		Right	
Top of Rail to Deck/Wearing Surface		Left	2.417ft
		Right	2.417ft
Bridge Rail		Left	Type 14
		Right	Type 14



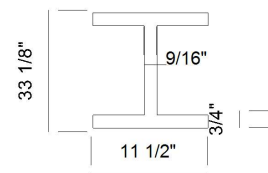
Measurements for Span #	1	Spans 2 & 3 Similar	
Deck Thickness	0.563	Left Overhang	4.583
Top of Rail to Bottom of Beam	6	Right Overhang	4.583

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	8.0ft	
2	Steel I Beam	8.0ft	
3	Steel I Beam	8.0ft	
4	Steel I Beam	ft	

ABUTMENTS: RC BACKWALL AND CAP



ALL SPANS: BEAM 2, 3



ALL SPANS: BEAM 1, 4

MEASUREMENTS MODIFIED 01/11/19 BY OJP
BEAM SIZES REVISED 1-19-21 JBW

Title TYPICAL SECTION		Description CONCRETE BRIDGE ON I-BEAMS	
Bridge No: 030014	Drawn By: EC BLAKE	Date: 1/15/09	File Name: S0070000810

Bridge Inspection Field Sketch

NORTH



ABUTMENT 2

FLOW



BENT 2

DRY BED

WATER EDGE

FLOW



BENT 1

ABUTMENT 1

Title

PLAN VIEW

Description

PLAN VIEW

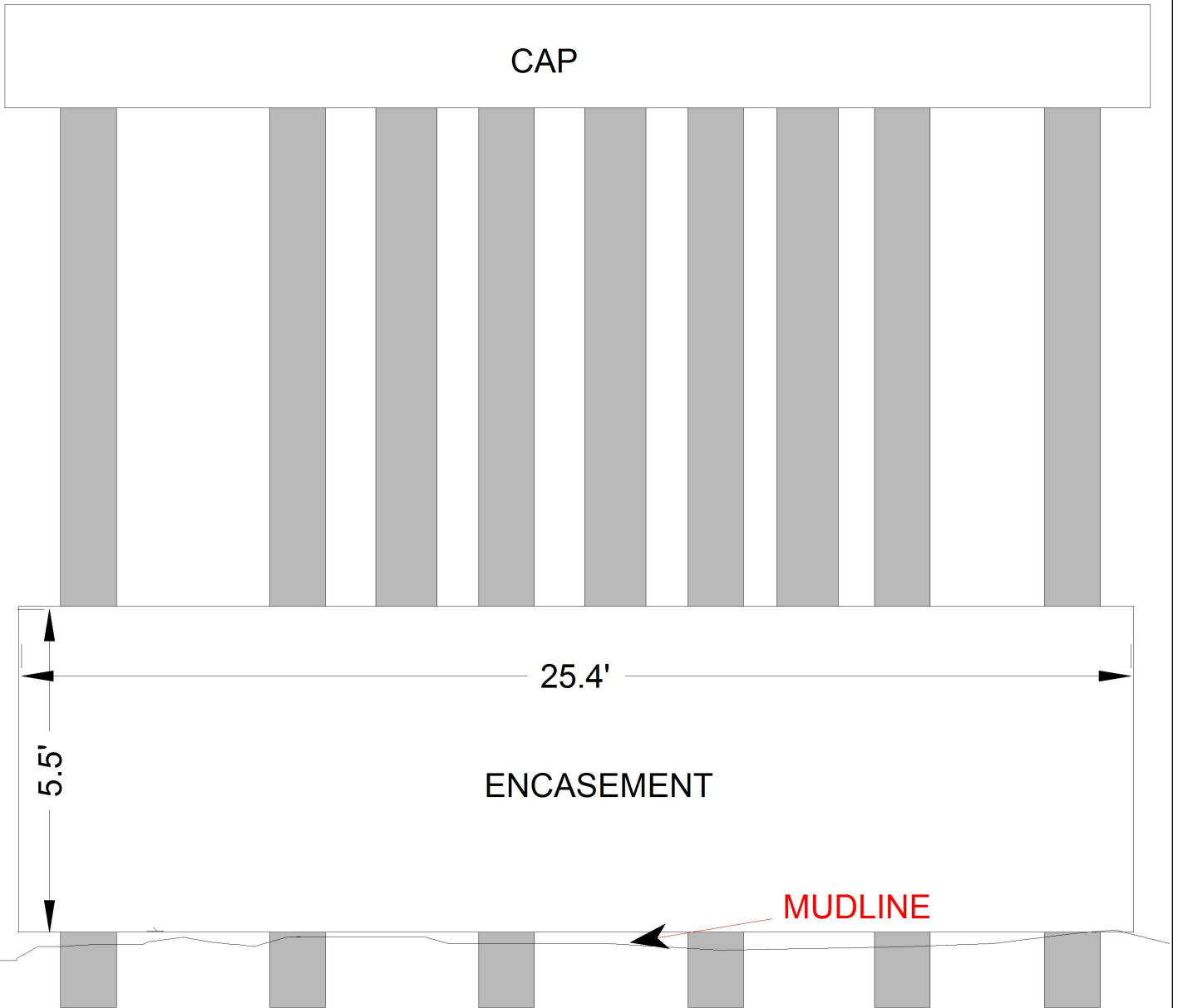
Bridge No: 030014

Drawn By: KSH

Date: 8/20/2018

File Name: S0150000799

Bridge Inspection Field Sketch



M/L

Title
BENT 1 SCOUR

Description
BENT 1 SCOUR

Bridge No: 030014

Drawn By: MEC

Date: 8/20/2018

File Name: S0150000800

Bridge Inspection Field Sketch

PILES 3, 5, & 7 ADDED TO ORIGINAL, PILES ENCASED IN CONCRETE.

CONCRETE ENCASEMENT 25.4' X 5.417' X 2'

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.				
26.750 ft.	2.500 ft.	2.500 ft.	1.958 ft.	1.958 ft.	1.500 ft.	1.500 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	Steel	4.5 ft.	1.0 ft.			Vertical	Yes	No	No	No
2	Steel	2.167 ft.	1.0 ft.			Vertical	Yes	No	No	No
3	Steel	2.5 ft.	1.0 ft.			Vertical	No	No	No	No
4	Steel	2.167 ft.	1.0 ft.			Vertical	Yes	No	No	No
5	Steel	2.25 ft.	1.0 ft.			Vertical	No	No	No	No
6	Steel	2.167 ft.	1.0 ft.			Vertical	Yes	No	No	No
7	Steel	2.417 ft.	1.0 ft.			Vertical	No	No	No	No
8	Steel	4.667 ft.	1.0 ft.			Vertical	Yes	No	No	No
9	Steel		1.0 ft.			Vertical	Yes	No	No	No
<p>VERIFIED 01/11/19 BY OJP</p> <p>MEASUREMENTS VERIFIED 1-19-21 JBW</p>										
Bent/Abutment #: 1			Similar Bents: NONE							

Title				Description			
INTERIOR BENT 1				WITH ADDITIONAL PILES			
Bridge No:	Drawn By:	Date:	File Name:				
030014	ado	1/07/2013	S0070001613				