NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE MANAGEMENT UNIT

ATTENTION: DATA CHANGES

Structure Safety Report

Routine Element Inspection - Contract

INSPECTION DATE: 03/10/2021

DIVISION: 2 **COUNTY:** PAMLICO **STRUCTURE NUMBER:** 680038 **FREQUENCY:** 24 MONTHS

FACILITY CARRIED: NC55 **MILE POST:**

LOCATION: 4.2 MI. E. JCT. NC304

FEATURE INTERSECTED: TRENT CREEK

LATITUDE: 35° 6' 15.76" **LONGITUDE:** 76° 43' 5.5"

SUPERSTRUCTURE:

SUBSTRUCTURE:

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

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

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

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

OTHER SIGNS PRESENT: FOUR (4) DELINEATORS

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 YES

INSPECTED BY	SIGNATURE	ASSISTED BY
Brian K Eggerton		F. C. Paul

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

04/22/2021

IDENTIFICATION

(1) STATE NAME NORTH CAROLINA BRIDGE **680038**
(8) STRUCTURE NUMBER (FEDERAL) **1370038**
(5) INVENTORY ROUTE (ON/UNDER) ON **131000550**
(2) STATE HIGHWAY DEPARTMENT DISTRICT **2**
(3) COUNTY CODE (FEDERAL) **137** (4) PLACE CODE **00000**
(6) FEATURE INTERSECTED **TRENT CREEK**
(7) FACILITY CARRIED **NC55**
(9) LOCATION **4.2 MI. E. JCT. NC304**
(11) MILEPOINT **0.0**
(12) BASE HIGHWAY NETWORK **0**
(13) LRS INVENTORY ROUTE & SUBROUTE
(16) LATITUDE **35° 6' 15.76"** (17) LONGITUDE **76° 43' 5.5"**
(98) BORDER BRIDGE STATE CODE PERCENT SHARED
(99) BORDER BRIDGE STRUCTURE NUMBER

STRUCTURE TYPE AND MATERIAL

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

AGE AND SERVICE

(27) YEAR BUILT **1960**
(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 **3700**
(30) YEAR OF ADT **2019** (109) TRUCK ADT PCT **7**
(19) BYPASS OR DETOUR LENGTH **27.0**

GEOMETRIC DATA

(48) LENGTH OF MAXIMUM SPAN **38.0**
(49) STRUCTURE LENGTH **145.0**
(50) CURB OR SIDEWALK: LEFT **1.6** RIGHT **1.6**
(51) BRIDGE ROADWAY WIDTH, CURB TO CURB **28.0**
(52) DECK WIDTH OUT TO OUT **33.0**
(32) APPROACH ROADWAY WITH (W/ SHOULDERS) **27.0**
(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**

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 **54.05**
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 **6**
(59) SUPERSTRUCTURE **5**
(60) SUBSTRUCTURE **5**
(61) CHANNEL & CHANNEL PROTECTION **7**
(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** **53**
(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 **5**
(72) APPROACH ROADWAY ALIGNMENT **4**
(36) TRAFFIC SAFETY FEATURES **0000**
(113) SCOUR CRITICAL BRIDGES **5**

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 **7,400** YEAR OF FUTURE ADT **2040**

INSPECTION

(90) INSPECTION DATE **03/21** (91) FREQUENCY **24**
(92) CRITICAL FEATURE INSPECTION (93) CFI DATE
A) FRACTURE CRIT DETAIL A)
B) UNDERWATER INSP **60** B) **05/20**
C) OTHER SPECIAL INSP C)
SCOUR

Superstructure Build Details

Span Number 1 **Span Length** 40.0000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	1120	Square Feet		
4	Fixed Bearing	Fixed Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	4
1	Standard Joint	Pourable Joint Seal	0	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1320	Square Feet		
4	Plate Girder	Steel Open Girder/Beam	156	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1316
2	Concrete Railing	Reinforced Concrete Bridge Railing	80	Feet		
4	Movable Bearing	Movable Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	4

Span Number 2 **Span Length** 32.6670 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
1	Asphalt Wearing Surface	Wearing Surface	915	Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	66	Feet		
2	Standard Joint	Pourable Joint Seal	33	Feet		
8	Movable Bearing	Movable Bearing	8	Each	Legacy Red Lead Primer Systems with Various Topcoats	8
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1078	Square Feet		
4	Plate Girder	Steel Open Girder/Beam	132	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1016

Span Number 3 **Span Length** 32.6670 **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	132	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1016
1	Asphalt Wearing Surface	Wearing Surface	915	Square Feet		
2	Concrete Railing	Reinforced Concrete Bridge Railing	66	Feet		
8	Movable Bearing	Movable Bearing	8	Each	Legacy Red Lead Primer Systems with Various Topcoats	8

Superstructure Build Details

1	Standard Joint	Pourable Joint Seal	33	Feet		
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1078	Square Feet		

Span Number 4 **Span Length** 40.0000 **Skew** 90.0000

Number of Items	Type of Component	Element Name	Quantity		Protective System Applied	Quantity (Sq Ft)
3	Standard Joint	Pourable Joint Seal	33	Feet		
4	Plate Girder	Steel Open Girder/Beam	156	Feet	Legacy Red Lead Primer Systems with Various Topcoats	1316
4	Movable Bearing	Movable Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	4
1	Reinforced Concrete Deck	Reinforced Concrete Deck	1320	Square Feet		
4	Fixed Bearing	Fixed Bearing	4	Each	Legacy Red Lead Primer Systems with Various Topcoats	4
2	Concrete Railing	Reinforced Concrete Bridge Railing	80	Feet		
1	Asphalt Wearing Surface	Wearing Surface	1120	Square Feet		

Structure Element Scoring

Structure Number: **680038**

Inspection Date **3/10/2021**

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	4796	4670	126	0	0
107	0	Steel Open Girder/Beam	Beam	576	0	576	0	0
515	107	Steel Protective Coating	Beam	4664	470	3874	320	0
215	0	Reinforced Concrete Abutment	Abutments	66	60	6	0	0
226	0	Prestressed Concrete Pile	Piles and Columns	41	8	27	6	0
234	0	Reinforced Concrete Pier Cap	Caps	159	105	50	4	0
301	0	Pourable Joint Seal	Expansion Joints	99	99	0	0	0
311	0	Movable Bearing	Bearing Device	24	0	24	0	0
515	311	Steel Protective Coating	Bearing Device	24	0	0	0	24
313	0	Fixed Bearing	Bearing Device	8	0	8	0	0
515	313	Steel Protective Coating	Bearing Device	8	0	0	8	0
331	0	Reinforced Concrete Bridge Railing	Bridge Rail	292	281	10	1	0
510	0	Wearing Surface	Wearing Surfaces	4070	3962	108	0	0

Summary of Maintenance Needs

Maintenance By Defect

Structure Number: **680038** Inspection Date: **03/10/2021**

MMS Code	Element Name	Defect Name	Recommended Quantity
3350	Reinforced Concrete Abutment	Cracking (RC and Other)	6 Feet
3348	Prestressed Concrete Pile	Delamination/Spall	1 Each
3348	Prestressed Concrete Pile	Cracking (PSC)	17 Each
3348	Prestressed Concrete Pile	Abrasion/Wear (PSC/RC)	4 Each
3348	Prestressed Concrete Pile	Patched Area	3 Each
3348	Reinforced Concrete Pier Cap	Delamination/Spall	5 Feet
3348	Reinforced Concrete Pier Cap	Patched Area	4 Feet
3318	Reinforced Concrete Bridge Railing	Delamination/Spall	1 Feet
2816	Wearing Surface	Crack (Wearing Surface)	368 Square Feet
3342	Steel Protective Coating	Effectiveness (Steel Protective Coatings)	4226 Square Feet

Element Structure Maintenance Quantities

Structure Number: **680038** Inspection Date **03/10/2021**

Location	MMS Code	Description	Maint Quantity	Total Quantity	Severe Quantity	Poor Quantity	Fair Quantity	Good Quantity
Abutments	3350	Maintenance of Concrete Wings and Wall	6	66	0	0	6	60
Beam	3314	Maintenance Steel Superstructure Components	0	576	0	0	576	0
Beam	3342	Clean and Paint Steel	4194	4664	0	320	3874	470
Bearing Device	3334	Bridge Bearing	0	32	0	0	32	0
Bearing Device	3342	Clean and Paint Steel	32	32	24	8	0	0
Bridge Rail	3318	Maintenance of Concrete Bridge Rail	1	292	0	1	10	281
Caps	3348	Maintenance of Concrete Substructure	9	159	0	4	50	105
Deck	3326	Maintenance of Concrete Deck	0	4796	0	0	126	4670
Expansion Joints	3310	Maintenance of Standard Bridge Expansion Joints	0	99	0	0	0	99
Piles and Columns	3348	Maintenance of Concrete Substructure	19	41	0	6	27	8
Wearing Surfaces	2816	Asphalt Surface Repair	108	4070	0	0	108	3962

Element Condition and Maintenance Data

Structure Number: **680038** Inspection Date: **03/10/2021**

Span 1 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,320	1,280	40	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Efflorescence/Rust Staining**	**UP TO 0.012" TRANSVERSE CRACKS WITH EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF DECK**	2	40		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	39	0	39	0	0	Feet
515	Steel Protective Coating	329	109	200	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**Minor corrosion with pack rust initiating with no measurable section loss on bottom 9" web and bottom flange for 1' at pier 1. Light surface rust on bottom of web and bottom flange along full length of beam.**	2	39		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Substantially effective with freckled rust.**	2	200	200	Square Feet

General Comments

Span 1 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	39	0	39	0	0	Feet
515	Steel Protective Coating	329	109	200	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**Minor corrosion with pack rust initiating with no measurable section loss on bottom 9" web and bottom flange for 1' at pier 1. Light surface rust on bottom of web and top and bottom flanges along full length of beam.**	2	39		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Limited effectiveness, coating starting to fail.**	2	200	200	Square Feet

General Comments

Span 1 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	39	0	39	0	0	Feet
515	Steel Protective Coating	329	109	200	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**Minor corrosion with pack rust initiating with minor section loss (< 1/16") on bottom 9" web and bottom flange for 1' at pier 1. Light surface rust on bottom of web and top and bottom flanges along full length of beam.**	2	39		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Piant has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Limited effectiveness, coating starting to fail.**	2	200	200	Square Feet

General Comments

Span 1 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	39	0	39	0	0	Feet
515	Steel Protective Coating	329	109	200	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**Minor corrosion with pack rust initiating with no measurable section loss on bottom 9" web and bottom flange for 1' at pier 1. Light surface rust on bottom of web and top and bottom flanges along full length of beam.**	2	39		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Limited effectiveness, coating starting to fail.**	2	200	200	Square Feet

General Comments

Span 1 Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	1,120	1,108	12	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**UP TO 1/16" TRANSVERSE CRACK ALONG END BENT 1 FILL FACE IN WESTBOUND LANE**	2	12	12	Square 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	40	35	4	1	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

331	**Delamination/Spall**	**18" X 8" X 1" DEEP SPALL IN FACE OF END POST AT END BENT 1**	3	1	1	Feet
331	**Delamination/Spall**	**4' OF SOUTHWEST CURB IS SPALLED/SETTLING**	2	4		Feet

General Comments

Span 1 Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	**Corrosion**	**Light surface rust present.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	1	1	Square 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 1 Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	**Corrosion**	**Light surface rust present.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	1	1	Square 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 1 Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	**Corrosion**	**Light surface rust present.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	1	1	Square 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 1 Near Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	**Corrosion**	**Light surface rust present.**	2	1		Each

515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	1	1	Square 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 2 Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,078	1,046	32	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Efflorescence/Rust Staining**	**UP TO 0.012" TRANSVERSE CRACKS WITH EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF DECK**	2	32		Square Feet

General Comments

Span 2 Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	33	0	33	0	0	Feet
515	Steel Protective Coating	254	34	200	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**Minor corrosion with pack rust initiating with no measurable section loss on bottom 9" web and bottom flange for 1' at pier 1 and pier 2. Light surface rust on bottom of web and top and bottom flanges along full length of beam.**	2	33		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Limited effectiveness, coating starting to fail.**	2	200	200	Square Feet

General Comments

Span 2 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	33	0	33	0	0	Feet
515	Steel Protective Coating	254	0	234	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**Minor corrosion with pack rust initiating with no measurable section loss on bottom 9" web and bottom flange for 1' at pier 1 and pier 2. Light surface rust on bottom of web and top and bottom flanges along full length of beam.**	2	33		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Limited effectiveness, coating starting to fail.**	2	234	234	Square Feet

General Comments

Span 2 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	33	0	33	0	0	Feet
515	Steel Protective Coating	254	0	234	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**Minor corrosion with pack rust initiating with minor section loss (< 1/16") on bottom 9" web and bottom flange for 1' at pier 1. Minor corrosion with pack rust initiating with no measurable section loss on bottom 9" web and bottom flange for 1' at pier 2. Light surface rust on bottom of web and top and bottom flanges along full length of beam.**	2	33		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Limited effectiveness, coating starting to fail.**	2	234	234	Square Feet

General Comments

Span 2 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	33	0	33	0	0	Feet
515	Steel Protective Coating	254	0	234	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**Minor corrosion with pack rust initiating with minor section loss (< 1/16") on bottom 9" web and bottom flange for 1' at piers 1 and 2. Light surface rust on bottom of web and top and bottom flanges along full length of beam.**	2	33		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Limited effectiveness, coating starting to fail.**	2	234	234	Square Feet

General Comments

Span 2 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	915	891	24	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**UP TO 1/16" TRANSVERSE CRACK ALONG BENT 1**	2	24	24	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	33	31	2	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Cracking (RC and Other)**	**Two small hairline to 1/32" cracks in curb near mid span.**	2	2		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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 2 — 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Light surface rust present.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 2 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Light surface rust present.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

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Span 2 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Light surface rust present.**	2	1		Each

515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 2 — 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 3 — Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,078	1,050	28	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Efflorescence/Rust Staining**	**UP TO 0.012" TRANSVERSE CRACKS WITH EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF DECK**	2	28		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	33	0	33	0	0	Feet
515	Steel Protective Coating	254	0	234	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

107	**Corrosion**	**Minor corrosion with pack rust initiating with minor section loss (< 1/16") on bottom 9" web and bottom flange for 1' at piers 2 and 3. Light surface rust on bottom of web and top and bottom flanges along full length of beam.**	2	33		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Limited effectiveness, coating starting to fail.**	2	234	234	Square Feet

General Comments

Span 3 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	33	0	33	0	0	Feet
515	Steel Protective Coating	254	0	234	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**Minor corrosion with pack rust initiating with no measurable section loss on bottom 9" web and bottom flange for 1' at pier 2 and pier 3. Light surface rust on bottom of web and top and bottom flanges along full length of beam.**	2	33		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Limited effectiveness, coating starting to fail.**	2	234	234	Square Feet

General Comments

Span 3 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	33	0	33	0	0	Feet
515	Steel Protective Coating	254	0	234	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**Minor corrosion with pack rust initiating with no measurable section loss on bottom 9" web and bottom flange for 1' at pier 2 and pier 3. Light surface rust on bottom of web and top and bottom flanges along full length of beam.**	2	33		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Limited effectiveness, coating starting to fail.**	2	234	234	Square Feet

General Comments

Span 3 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	33	0	33	0	0	Feet
515	Steel Protective Coating	254	0	234	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

107	**Corrosion**	**Minor corrosion with pack rust initiating with minor section loss (< 1/16") on bottom 9" web and bottom flange for 1' at piers 2 and 3. Light surface rust on bottom of web and top and bottom flanges along full length of beam.**	2	33		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Limited effectiveness, coating starting to fail.**	2	234	234	Square Feet

General Comments

Span 3 — Wearing Surface

Asphalt Wearing Surface

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
510	Wearing Surface	915	891	24	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**UP TO 1/16" TRANSVERSE CRACK ALONG BENT 2**	2	24	24	Square 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	0	1	0	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 3 — 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square 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	0	1	0	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 3 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square 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	0	1	0	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 3 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each

515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square 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	0	1	0	0	Each
515	Steel Protective Coating	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 3 — 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 4 — Deck

Reinforced Concrete Deck

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
12	Reinforced Concrete Deck	1,320	1,294	26	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
12	**Efflorescence/Rust Staining**	**UP TO 0.012" TRANSVERSE CRACKS AND HAIRLINE MAP CRACKING WITH EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF DECK**	2	26		Square Feet

General Comments

Span 4 — Beam 1

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	39	0	39	0	0	Feet
515	Steel Protective Coating	329	0	309	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

107	**Corrosion**	**Minor corrosion with pack rust initiating with minor section loss (< 1/16") on bottom 9" web and bottom flange for 1' at pier 3. Light surface rust on bottom of web and top and bottom flanges along full length of beam.**	2	39		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Limited effectiveness, coating starting to fail.**	2	309	309	Square Feet

General Comments

Span 4 Beam 2

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	39	0	39	0	0	Feet
515	Steel Protective Coating	329	0	309	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**Minor corrosion with pack rust initiating with no measurable section loss on bottom 9" web and bottom flange for 1' at pier 3. Light surface rust on bottom of web and top and bottom flanges along full length of beam.**	2	39		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Limited effectiveness, coating starting to fail.**	2	309	309	Square Feet

General Comments

Span 4 Beam 3

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	39	0	39	0	0	Feet
515	Steel Protective Coating	329	0	309	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
107	**Corrosion**	**Minor corrosion with pack rust initiating with no measurable section loss on bottom 9" web and bottom flange for 1' at pier 3. Light surface rust on bottom of web and top and bottom flanges along full length of beam.**	2	39		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Limited effectiveness, coating starting to fail.**	2	309	309	Square Feet

General Comments

Span 4 Beam 4

Plate Girder

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
107	Steel Open Girder/Beam	39	0	39	0	0	Feet
515	Steel Protective Coating	329	0	309	20	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

107	**Corrosion**	**Minor corrosion with pack rust initiating with minor section loss (< 1/16") on bottom 9" web and bottom flange for 1' at pier 3. Light surface rust on bottom of web and top and bottom flanges along full length of beam.**	2	39		Feet
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	20	20	Square Feet
515	**Effectiveness (Steel Protective Coatings)**	**Limited effectiveness, coating starting to fail.**	2	309	309	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	1,120	1,072	48	0	0	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
510	**Crack (Wearing Surface)**	**UP TO 1/16" TRANSVERSE CRACKS ALONG BENT 3 AND END BENT 2 FILL FACE**	2	48	48	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	40	36	4	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
331	**Delamination/Spall**	**NORTHEAST CURB IS SPLIT AND SETTLED**	2	4		Feet

General Comments

Span 4 — 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 4 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	**Corrosion**	**Light surface rust present.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	1	1	Square Feet

General Comments

Span 4 — 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 4 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	**Corrosion**	**Light surface rust present.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	1	1	Square Feet

General Comments

Span 4 — 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each

515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet	

General Comments

Span 4 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	**Corrosion**	**Light surface rust present.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	1	1	Square Feet

General Comments

Span 4 — 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	1	0	0	0	1	Square Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
311	**Corrosion**	**Minor corrosion with pack rust initiating but no measurable section loss.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	4	1	1	Square Feet

General Comments

Span 4 — Far Bearing

Fixed Bearing

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
313	**Corrosion**	**Light surface rust present.**	2	1		Each
515	**Effectiveness (Steel Protective Coatings)**	**Paint has failed.**	3	1	1	Square Feet

General Comments

End Bent 1 — Abutment

Reinforced Concrete Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	33	30	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

215	**Cracking (RC and Other)**	**Hairline map cracking in on north end near wing wall**	2	3	3	Feet	

General Comments

End Bent 1 Cap 1

Reinforced Concrete Pier Cap

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Cracking (RC and Other)**	**Several hairline cracks at various locations along the top and front face of cap.**	1	8		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	30	6	20	4	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Patched Area**	**(2) FAILED PATCHES WITH UP TO 36" X 12" AREA OF DELAMINATION AND UP TO 14" X 7" X 1" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF CAP AT PILE 5**	3	4	4	Feet
234	**Patched Area**	**Several sound patched areas on both faces of cap.**	2	20		Feet

General Comments

Bent 1 Pile 1

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each

General Comments

Bent 1 Pile 2

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2	1		Each

General Comments

Bent 1 Pile 3

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACK ON F-8, HWM-M/L.	2	1	1	Each
226	**Cracking (PSC)**	**Vertical crack on face 8 has been sealed from waterline up 2'.**	1			Each

General Comments

Bent 1 Pile 4

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACK ON F-1/8, HWM-M/L.	2	1		Each
226	**Cracking (PSC)**	**Hairline vertical crack on face 1 from waterline up 2'.**	1			Each

General Comments

Bent 1 Pile 5

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/8" CRACK ON F-2/8, HWM-M/L.	3	1	1	Each
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	**Patched Area**	**Hairline to 1/64" vertical cracks on faces 1, 2 & 8 from waterline up 4'.**	1			Each

General Comments

Bent 1 Pile 6

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/64" CRACKS W/RUST STAINS ON F-1,7,8, HWM- M/L.	2	1		Each
226	**Cracking (PSC)**	**Hairline vertical crack on faces 7&8 from waterline up 2'.**	1			Each

General Comments

Bent 1 Pile 7

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACK ON F-2/8, HWM-M/L.	2	1		Each
226	**Cracking (PSC)**	**Vertical crack on face 8 from waterline up 3'.**	2		3	Each

General Comments

Bent 1 Pile 1

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each

General Comments

Bent 1 Pile 2

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each

226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2		Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L DIAGONAL CRACKING ACROSS F-4/5/6.	2	1	Each

General Comments

Bent 1 Pile 3

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2	1	1	Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each

General Comments

Bent 1 Pile 4

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACKS ON F-2,3,4, HWM-M/L.	2	1		Each
226	**Cracking (PSC)**	**Vertical cracks on faces 3&4 from waterline up 2.5'.**	2		3	Each

General Comments

Bent 1 Pile 5

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	Delamination/Spall	UNDERWATER 5/11/20: SPALL ON F-5. 8"DIAMETER X 2"DEEP, REBAR EXPOSED. (PAR)	3	1		Each
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	**Abrasion/Wear (PSC/RC)**	**UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'**	2			Each
226	**Cracking (PSC)**	**Vertical crack on face 4 from waterline up 3'.**	2		3	Each

General Comments

Bent 1 Pile 6

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Patched Area**	**Unsound patch on vertical crack on face 2 and face 8 from waterline up 3ft.**	3		3	Each
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACKS W/RUST STAINS ON F-1,2,8, HWM- M/L.	2	1		Each

General Comments

Bent 1 Pile 7

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	Delamination/Spall	UNDERWATER 5/11/20: SPALL ON F-5, 8"V X 3"W X 1"DEEP (PAR). AT W/L.	3	1	1	Each
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACKS W/RUST STAINS ON F-1,3,4, HWM- M/L.	2			Each
226	**Cracking (PSC)**	**Vertical cracks on face 3&4 have been sealed from waterline up 3'.**	1			Each

General Comments

End Bent 2 Abutment

Reinforced Concrete Abutment

Element Number	Element Name	Total Qty	CS1 Qty	CS2 Qty	CS3 Qty	CS4 Qty	
215	Reinforced Concrete Abutment	33	30	3	0	0	Feet

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
215	**Cracking (RC and Other)**	**Hairline map cracking on north end of cap 3' x 3'**	2	3	3	Feet

General Comments

End Bent 2 Cap 1

Reinforced Concrete Pier Cap

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

234	**Cracking (RC and Other)**	**Several hairline cracks at various locations along the top and front face of cap.**	1	8	Feet

General Comments

Bent 2 Pile 1

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2	1	1	Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each

General Comments

Bent 2 Pile 2

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Cracking (PSC)**	**UP TO 0.025" vertical crack on west face from waterline up 3'.**	3	1	3	Each
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each

General Comments

Bent 2 Pile 3

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Cracking (PSC)**	**UP TO 0.025" vertical cracks on west and north faces from waterline up 3'.**	3	1	3	Each
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Delamination/Spall	UNDERWATER 5/11/20: CORNER SPALL ON F-1/4. 6"V X 3"W X 3/4" DEEP.	2			Each

General Comments

Bent 2 Pile 4

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2	1	1	Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each

General Comments

Bent 2 Pile 5

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2	1	1	Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each

General Comments

Bent 3 Cap 1

Reinforced Concrete Pier Cap

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
234	**Cracking (RC and Other)**	**30' OF UP TO 0.012" HORIZONTAL CRACKS IN SPAN 2 FACE OF CAP**	2	5		Feet
234	**Delamination/Spall**	**18" X 21" AREA OF DELAMINATION IN BOTTOM OF CAP BETWEEN PILES 6 AND 8**	2	2	2	Feet
234	**Delamination/Spall**	**THREE TOTAL 6" DIAMETER DELAMINATIONS ON WEST FACE**	2	3	3	Feet
234	**Patched Area**	**Several sound patched areas on both faces of cap at various locations.**	2	20		Feet

General Comments

Bent 3 Pile 1

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each

226	Cracking (PSC)	UNDERWATER 5/11/20: H/L CRACKING ON P-1. H/L-1/16" CRACKS WITH RUST STAINS ON F-5,6,7,8, HWM-M/L.	2	1	Each
226	**Cracking (PSC)**	**Vertical cracks on faces 5, 6 &7 have been sealed.**	1		Each
226	Patched Area	UNDERWATER 5/11/20: PATCHED AREA	1		Each

General Comments

Bent 3 Pile 2

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACK WITH RUST STAINS ON F-2,4, HWM-M/L.	2	1		Each
226	**Cracking (PSC)**	**Vertical cracks on faces 2 & 4 have been sealed.**	1			Each

General Comments

Bent 3 Pile 3

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2	1		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each

General Comments

Bent 3 Pile 4

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACK WITH RUST STAINS ON F-1,2,3,4 HWM-M/L.	2	1		Each
226	**Cracking (PSC)**	**Vertical cracks on faces 2, 3, & 4 have been sealed.**	1			Each

General Comments

Bent 3 Pile 5

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACK WITH RUST STAINS ON F-1,8 HWM-M/L.	2	1		Each

General Comments

Bent 3 Pile 6

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACK WITH RUST STAINS ON F-1,2,4 HWM-M/L.	2	1		Each
226	**Cracking (PSC)**	**Vertical cracks on faces 1, 2, 3, & 4 have been sealed.**	2			Each

General Comments

Bent 3 Pile 7

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACK WITH RUST STAINS ON F-2,3,5,6, HWM-M/L.	2	1		Each
226	**Cracking (PSC)**	**Vertical cracks on faces 3, 4, 5 & 6 have been sealed.**	2			Each

General Comments

Bent 3 Pile 1

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty

226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2		Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2		Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACK WITH RUST STAINS ON F-1, HWM-M/L.	2	1	Each

General Comments

Bent 3 Pile 2

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACK WITH RUST STAINS ON F-3, HWM-M/L.	2	1		Each

General Comments

Bent 3 Pile 3

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACK WITH RUST STAINS ON F-2,3,4, HWM-M/L. 1/8" CRACK SPALLED TO 3/4" FROM HWM DOWN 2' ON F-2.	3	1		Each
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	**Cracking (PSC)**	**Vertical cracks on faces 2, 3 & 4 have been sealed.**	1			Each

General Comments

Bent 3 Pile 4

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACK WITH RUST STAINS ON F-5,6, HWM-M/L.	2	1		Each

General Comments

Bent 3 Pile 5

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACK WITH RUST STAINS ON F-3,4,5,6, HWM-M/L.	2	1		Each
226	**Cracking (PSC)**	**Vertical cracks on faces 3, 4, 5 & 6 have been sealed.**	1			Each

General Comments

Bent 3 Pile 6

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, some aggregate is loose.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACK WITH RUST STAINS ON F-4, HWM-M/L.	2	1		Each

General Comments

Bent 3 Pile 7

Prestressed Concrete Pile

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

Element Number	Defect Type	Defect Description	CS	CS Qty	Maint Qty	
226	**Abrasion/Wear (PSC/RC)**	**Abrasion wear at water line, aggregate is secure.**	2			Each
226	Abrasion/Wear (PSC/RC)	UNDERWATER 5/11/20: SCALING TO 1/2" FROM HWM DOWN 2'	2			Each
226	Cracking (PSC)	UNDERWATER 5/11/20: H/L-1/16" CRACK WITH RUST STAINS ON F-1,2,3 HWM-M/L.	2			Each
226	**Cracking (PSC)**	**Vertical cracks on faces 1 & 3 have been sealed.**	2			Each
226	Delamination/Spall	UNDERWATER 5/11/20: SPALL ON F-5. 3"DIAMETER X 1/2"DEEP.	2	1		Each

General Comments

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 1	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1320
Span 1	Beam 1	Plate Girder	Steel Open Girder/Beam	39
Span 1	Beam 2	Plate Girder	Steel Open Girder/Beam	39
Span 1	Beam 3	Plate Girder	Steel Open Girder/Beam	39
Span 1	Beam 4	Plate Girder	Steel Open Girder/Beam	39
Span 1	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	40
Span 1	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	40
Span 1	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1120
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	1078
Span 2	Beam 1	Plate Girder	Steel Open Girder/Beam	33
Span 2	Beam 2	Plate Girder	Steel Open Girder/Beam	33
Span 2	Beam 3	Plate Girder	Steel Open Girder/Beam	33
Span 2	Beam 4	Plate Girder	Steel Open Girder/Beam	33
Span 2	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 2	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 2	Expansion Joint	Standard Joint	Pourable Joint Seal	33
Span 2	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	915
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Near Bearing	Movable Bearing	Movable Bearing	1
Span 2	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1078
Span 3	Beam 1	Plate Girder	Steel Open Girder/Beam	33
Span 3	Beam 2	Plate Girder	Steel Open Girder/Beam	33
Span 3	Beam 3	Plate Girder	Steel Open Girder/Beam	33
Span 3	Beam 4	Plate Girder	Steel Open Girder/Beam	33
Span 3	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 3	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	33
Span 3	Expansion Joint	Standard Joint	Pourable Joint Seal	33
Span 3	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	915
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Far Bearing	Movable Bearing	Movable Bearing	1
Span 3	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Deck	Reinforced Concrete Deck	Reinforced Concrete Deck	1320
Span 4	Beam 1	Plate Girder	Steel Open Girder/Beam	39
Span 4		Legacy Red Lead Primer Systems with Various Topcoats	Steel Protective Coating	329
Span 4	Beam 2	Plate Girder	Steel Open Girder/Beam	39
Span 4	Beam 3	Plate Girder	Steel Open Girder/Beam	39
Span 4	Beam 4	Plate Girder	Steel Open Girder/Beam	39
Span 4		Legacy Red Lead Primer Systems with Various Topcoats	Steel Protective Coating	329
Span 4	Left Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	40
Span 4	Right Bridge Rail	Concrete Railing	Reinforced Concrete Bridge Railing	40
Span 4	Expansion Joint	Standard Joint	Pourable Joint Seal	33
Span 4	Wearing Surface	Asphalt Wearing Surface	Wearing Surface	1120
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Far Bearing	Fixed Bearing	Fixed Bearing	1
Span 4	Near Bearing	Movable Bearing	Movable Bearing	1
Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	30
Bent 1	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 6	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 6	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 7	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 1	Pile 7	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 1	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
End Bent 1	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	33
Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	27
Bent 2	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1

Elements Verfied

Location	Name	Component	Element Name	Amount
Bent 2	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 2	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
End Bent 2	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	36
End Bent 2	Abutment	Reinforced Concrete Abutment	Reinforced Concrete Abutment	33
Bent 3	Cap 1	Reinforced Concrete Pier Cap	Reinforced Concrete Pier Cap	30
Bent 3	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 1	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 2	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 3	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 4	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 5	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 6	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 6	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 7	Prestressed Concrete Pile	Prestressed Concrete Pile	1
Bent 3	Pile 7	Prestressed Concrete Pile	Prestressed Concrete Pile	1

General Inspection Notes

Span 2 Expansion Joint

NOT VISIBLE, COVERED BY ASPHALT WEARING SURFACE.

Span 3 Expansion Joint

NOT VISIBLE, COVERED BY ASPHALT WEARING SURFACE.

Span 4 Expansion Joint

NOT VISIBLE, COVERED BY ASPHALT WEARING SURFACE.

National Bridge and NC Inspection Items

Structure Number: 680038 **Inspection Date:** 03/10/2021

National Bridge Inventory Items

Item	Grade Scale	Grade
Item 58: Deck	0 - 9 , N	**6**
Item 59: Superstructure	0 - 9 , N	**5**
Item 60: Substructure	0 - 9 , N	**5**
Item 61: Channel and Channel Protection	0 - 9 , N	**7**
Item 62: Culvert	0 - 9 , N	**N**
Item 71: Waterway Adequacy	0 - 9 , N	**7**
Item 72: Approach Roadway Alignment	0 - 9 , N	**8**

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

NC SMU Inspection Items

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

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

Inspection Information

Item	Grade Scale	Grade
Sign Noticed Issued	YES/NO	**N**
Priority Maintenance Request Submitted	YES/NO	**N**
Inspection Time	Hours	**6**
Traffic Control Time	Hours	
Snooper Time	Hours	
Ladder Used	YES/NO	**N**
Bucket Truck Used	YES/NO	**N**
Boat Used	YES/NO	**Y**
Other Equipment Used	YES/NO	**Y**
Portion of Structure in > 3' of water	YES/NO	**Y**

National Bridge and NC SMU Inspection Item Details

Structure Number: 680038 **Inspection Date:** 03/10/2021

Item	Other Equipment Used	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	GO PRO						

Item	Utilities	**Grade**	P	**Maint Code**		**Qty.**	0
Details	(2) BROKEN UTILITY HANGERS ATTACHED TO RIGHT OVERHANG AND BEAM 4 NEAR END BENT 1 (SEE PHOTO)						

Item	Portion of structure in > 3' of water (Y or N)	**Grade**	Y	**Maint Code**		**Qty.**	0
Details	BENTS 1 AND 2						

End Bent 1 Cap 1: Several hairline cracks at various locations along the top and front face of cap.

End Bent 1 Abutment: Hairline map cracking in on north end near wing wall

(2) BROKEN UTILITY HANGERS ATTACHED TO RIGHT OVERHANG AND BEAM 4 NEAR END BENT 1

Span 1 Beam 2: Minor corrosion with pack rust initiating with no measurable section loss on bottom 9" web and bottom flange for 1' at pier 1. Light surface rust on bottom of web and top and bottom flanges along full length of beam.

Span 1 Deck: UP TO 0.012" TRANSVERSE CRACKS WITH EFFLORESCENCE IN VARIOUS LOCATIONS THROUGHOUT BOTTOM OF DECK

Bent 1 Pile 5: Hairline to 1/64" vertical cracks on faces 1, 2 & 8 from waterline up 4'.

Bent 1 Cap 1: (2) FAILED PATCHES WITH UP TO 36" X 12" AREA OF DELAMINATION AND UP TO 14" X 7" X 1" DEEP SPALL WITH EXPOSED REBAR IN BOTTOM OF CAP AT PILE 5

Bent 2 Pile 3: Up to 0.025" vertical cracks on west and north faces from waterline up 3'.

Bent 3 Pile 1: Vertical cracks on faces 5, 6 &7 have been sealed.

Bent 3 Cap 1: 18" X 21" AREA OF DELAMINATION IN BOTTOM OF CAP BETWEEN PILES 6 AND 8

Bent 3 Cap 1: 30' OF UP TO 0.012" HORIZONTAL CRACKS IN SPAN 2 FACE OF CAP

Span 1 Right Bridge Rail: 18" X 8" X 1" DEEP SPALL IN FACE OF END POST AT END BENT 1

Span 1 Wearing Surface: UP TO 1/16" TRANSVERSE CRACK ALONG END BENT 1 FILL FACE IN WESTBOUND LANE

Span 3 Wearing Surface: UP TO 1/16" TRANSVERSE CRACK ALONG BENT 2

Span 4 Beam 4: Minor corrosion with pack rust initiating with minor section loss (< 1/16") on bottom 9" web and bottom flange for 1' at pier 3. Light surface rust on bottom of web and top and bottom flanges along full length of beam.

Stream Bed Soundings

(Profile diagram on following sheet)

County **PAMLICO** Structure Number: **680038** Inspection Date **03/10/2021**

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

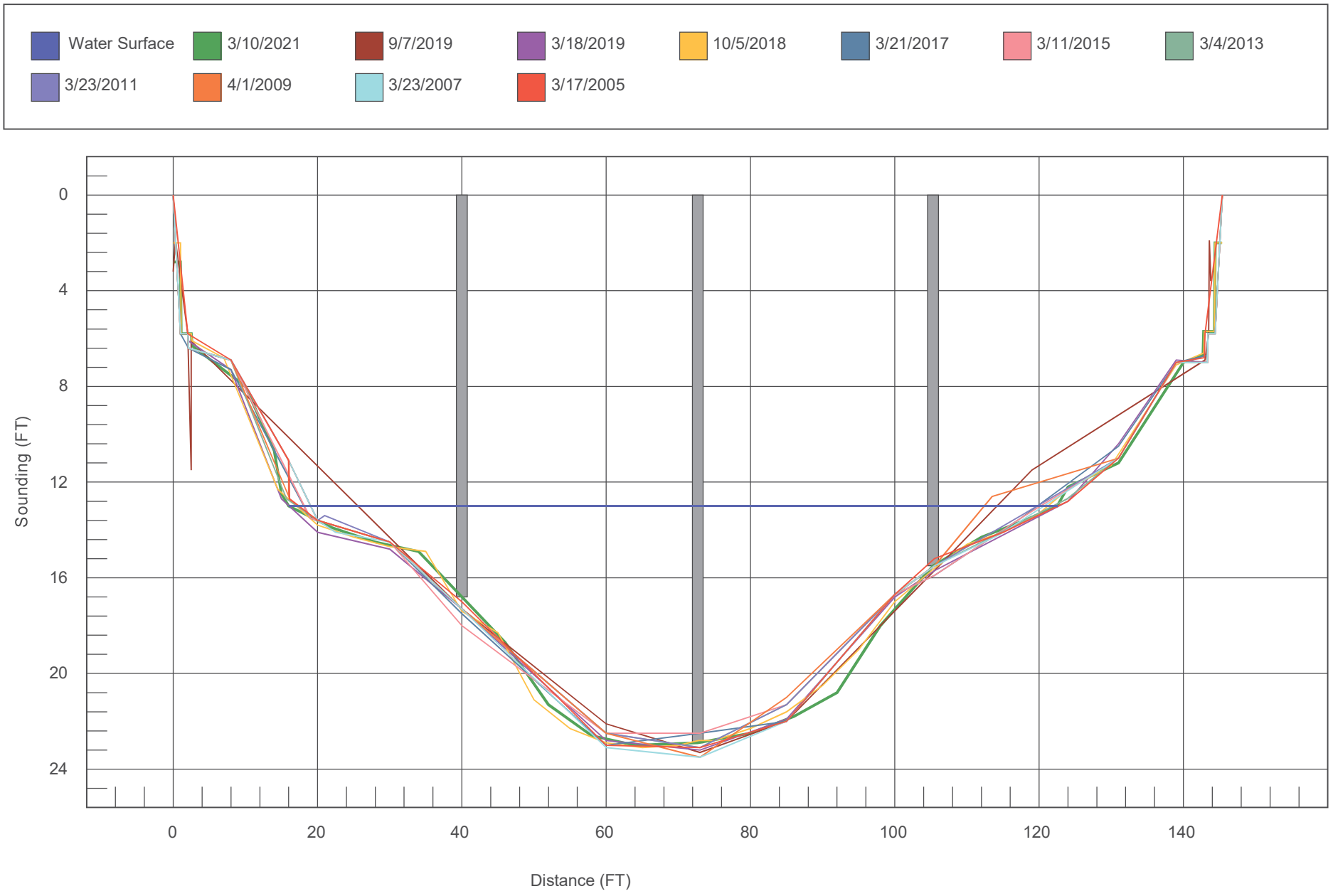
Highwater Mark Distance **11** Location of Highwater Mark **DRIFT ON BANK**

Distance (Station) ft.	Downstream Sounding ft.	Upstream Sounding ft.	Description
0.000	2.800	0.000	TOP OF WINGWALL
1.000	2.800	0.000	TOP OF WINGWALL
1.100	5.800	0.000	TOP OF CAP
2.500	5.800	0.000	TOP OF CAP
2.600	6.300	5.900	GROUND AT CAP
10.000	8.000	0.000	GROUND
14.000	10.700	0.000	GROUND
15.000	12.500	0.000	GROUND
16.000	13.000	0.000	WSWE
22.000	13.900	0.000	STREAMBED
28.000	14.500	0.000	STREAMBED
34.000	14.900	0.000	STREAMBED
40.000	16.800	15.500	BENT 1
46.000	18.700	0.000	STREAMBED
52.000	21.300	0.000	STREAMBED
58.000	22.600	0.000	STREAMBED
64.000	23.000	0.000	STREAMBED
72.700	22.900	23.300	BENT 2
80.000	22.500	0.000	STREAMBED
86.000	21.800	0.000	STREAMBED
92.000	20.800	0.000	STREAMBED
98.000	18.000	0.000	STREAMBED
105.300	15.500	15.700	BENT 3
112.000	14.300	0.000	STREAMBED
118.000	13.600	0.000	STREAMBED
122.500	13.000	0.000	WSWE
124.000	12.200	0.000	GROUND
131.000	11.200	0.000	GROUND
140.000	7.000	0.000	GROUND
142.700	6.700	5.700	GROUND AT CAP
142.800	5.700	0.000	TOP OF CAP
144.300	5.700	0.000	TOP OF CAP
144.400	2.000	0.000	TOP OF WINGWALL
145.300	2.000	0.000	TOP OF WINGWALL

Bridge: 680038 County: PAMLICO Date: 03/10/2021

STREAMBED PROFILE (Downstream)

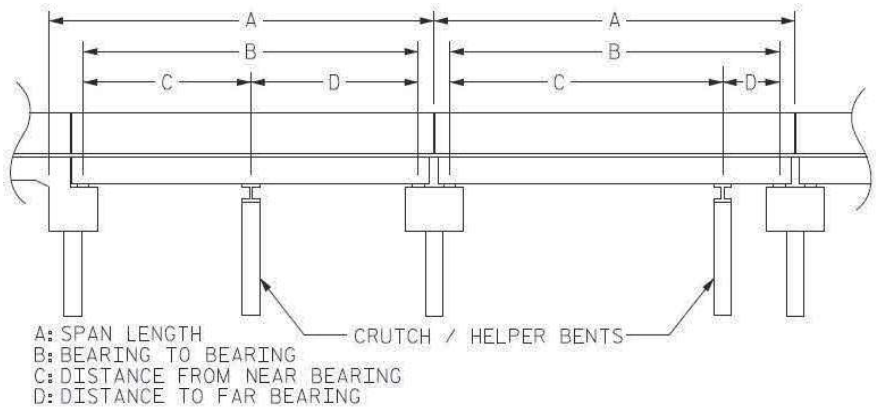
Top of Rail = 0FT (Sounding)



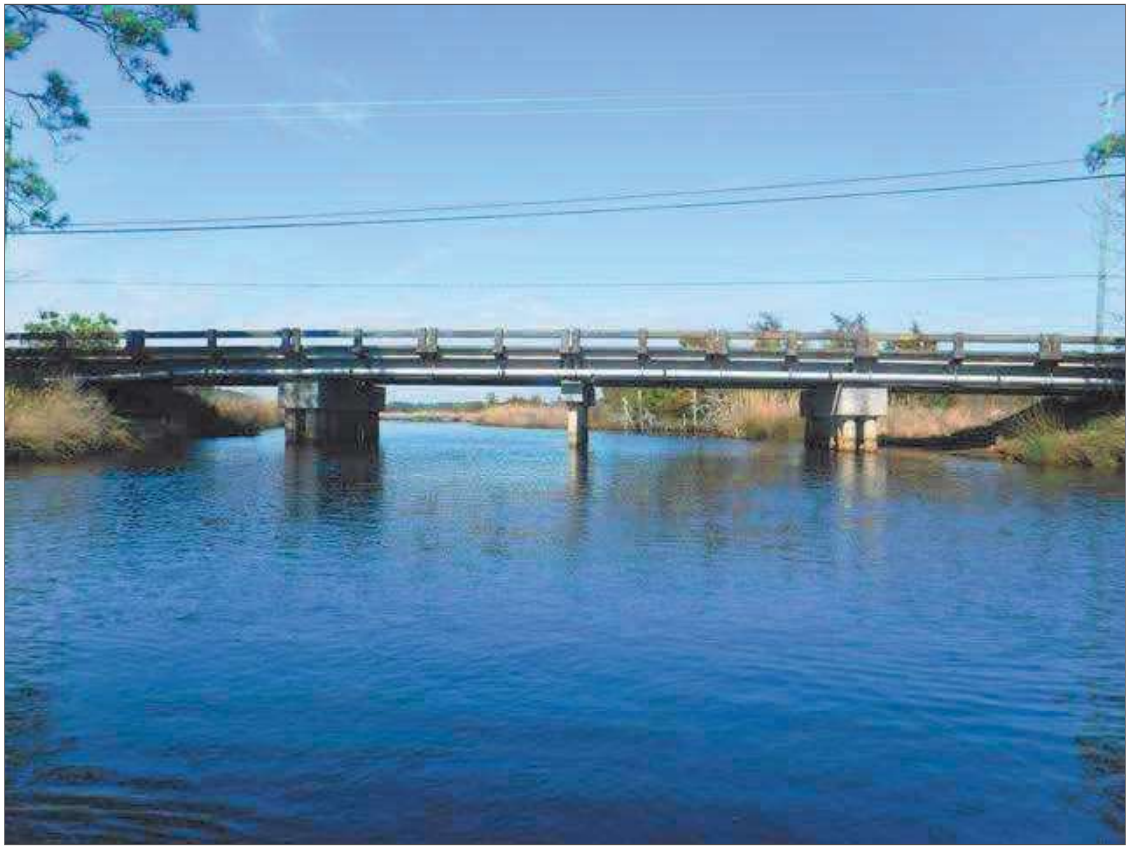
Structure Data Worksheet

Span Profile

County: **PAMLICO** Structure Number: **680038**



Span Number	Span Length	Bearing to Bearing	Crutch/ Helper Bent	Distance to Near Bearing	Distance to Far Bearing
1	40.000	38.000			
2	32.667	31.667			
3	32.667	31.667			
4	40.000	38.000			



UPSTREAM PROFILE, LOOKING NORTH

SPAN 1 UPSTREAM PROFILE, LOOKING NORTH

SPAN 2 UPSTREAM PROFILE, LOOKING NORTH

SPAN 3 UPSTREAM PROFILE, LOOKING NORTH

SPAN 4 UPSTREAM PROFILE, LOOKING NORTH

END BENT 2, END BENT 1 SIMILAR

12" DIAMETER INSULATED DUCTILE IRON PIPE ATTACHED TO BOTTOM OF RIGHT OVERHANG AND BEAM 4

LEFT END OF BENT 1 CAP

BENT 2

SPAN 3 UNDERDECK, OTHERS SIMILAR

BENT 3, BENT 1 SIMILAR

LOOKING UPSTREAM, SOUTH

LOOKING DOWNSTREAM, NORTH

WEST APPROACH

LEFT RAIL, RIGHT RAIL SIMILAR

EAST APPROACH

EAST APPROACH, LOOKING WEST

DOWNSTREAM PROFILE, LOOKING SOUTH

BEAM 3 BEARING AT END BENT 2, OTHERS SIMILAR AT END BENTS

LOOKING DOWNSTREAM, NORTH

LOOKING UPSTREAM, SOUTH

LOOKING EAST

BEAM 1 BEARING AT BENT 3 IN SPAN 4, OTHERS SIMILAR AT BENTS

Bridge Inspection Field Sketch

Roadway	24.33ft Wide	2 Paved Lanes	Looking East
Left Shoulder	3.33ft Wide	1.33ft Paved	2.00ft Unpaved
Right Shoulder	4.00ft Wide	1.50ft Paved	2.50ft Unpaved
Left Guardrail			
Right Guardrail			

Measurements recorded approximately 30.00' west of End Bent 1 fill face.

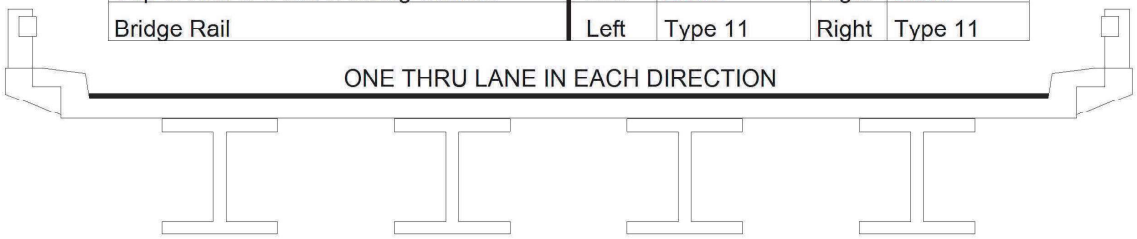
SKETCH REVISED BY BKE ON 3.10.2021

Title	**Description**
APPROACH ROADWAY	LOOKING EAST

Bridge No:	**Drawn By:**	**Date:**	**File Name:**
680038	P.D.IPOCK	3-23-11	S0050000557

Bridge Inspection Field Sketch

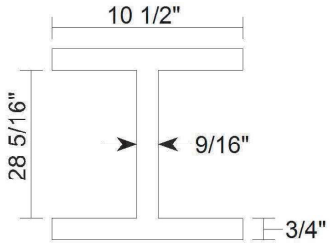
Deck Width/Out to Out	33.00ft *	Between Rails				31.25ft
Clear Roadway	28.00ft	Wearing Surface				0.125ft
Median Width		Median Height				
Curb Height		Left	0.75	Right	0.75	
Sidewalk Width		Left		Right		
Clear Roadway (Rail to Median)		Left		Right		
Guardrail Width		Left	1.00ft	Right	1.00ft	
Top of Rail to Deck/Wearing Surface		Left	2.50ft	Right	2.50ft	
Bridge Rail		Left	Type 11	Right	Type 11	



Measurements for Spans	1 and 4		
Deck Thickness	0.604	Left Overhang	4.50*
Top of Rail to Bottom of Beam	5.583	Right Overhang	4.50*

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	8.00ft	
2	Steel I Beam	8.00ft	
3	Steel I Beam	8.00ft	
4	Steel I Beam		

* Icludes brackets: Without brackets: Out to Out = 29.333
Overhangs = 2.667



BEAM DETAILS
W30x108

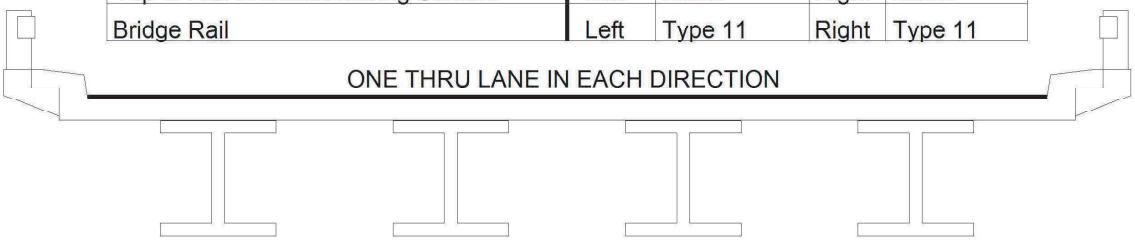
SKETCH REVISED BY BKE ON 3.10.2021 (CHANGES IN RED)

Title	Description
TYPICAL SECTION	4 LINES OF STEEL I-BEAMS

Bridge No:	Drawn By:	Date:	File Name:
680038	P.D.IPOCK	3-23-11	S0050000558

Bridge Inspection Field Sketch

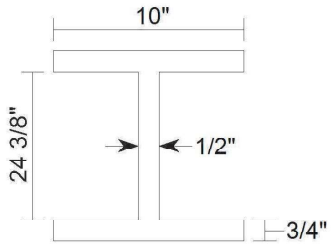
Deck Width/Out to Out	33.00ft *	Between Rails			31.25ft
Clear Roadway	28.00ft	Wearing Surface			0.125ft
Median Width		Median Height			
Curb Height		Left	0.75	Right	0.75
Sidewalk Width		Left		Right	
Clear Roadway (Rail to Median)		Left		Right	
Guardrail Width		Left	1.00ft	Right	1.00ft
Top of Rail to Deck/Wearing Surface		Left	2.50ft	Right	2.50ft
Bridge Rail		Left	Type 11	Right	Type 11



Measurements for Spans	2 and 3		
Deck Thickness	0.604	Left Overhang	4.50*
Top of Rail to Bottom of Beam	5.583	Right Overhang	4.50*

Beam Number	Beam Type	Spacing	Comments
1	Steel I Beam	8.00ft	
2	Steel I Beam	8.00ft	
3	Steel I Beam	8.00ft	
4	Steel I Beam		

* Includes brackets: Without brackets: Out to Out = 29.333
Overhangs = 2.667



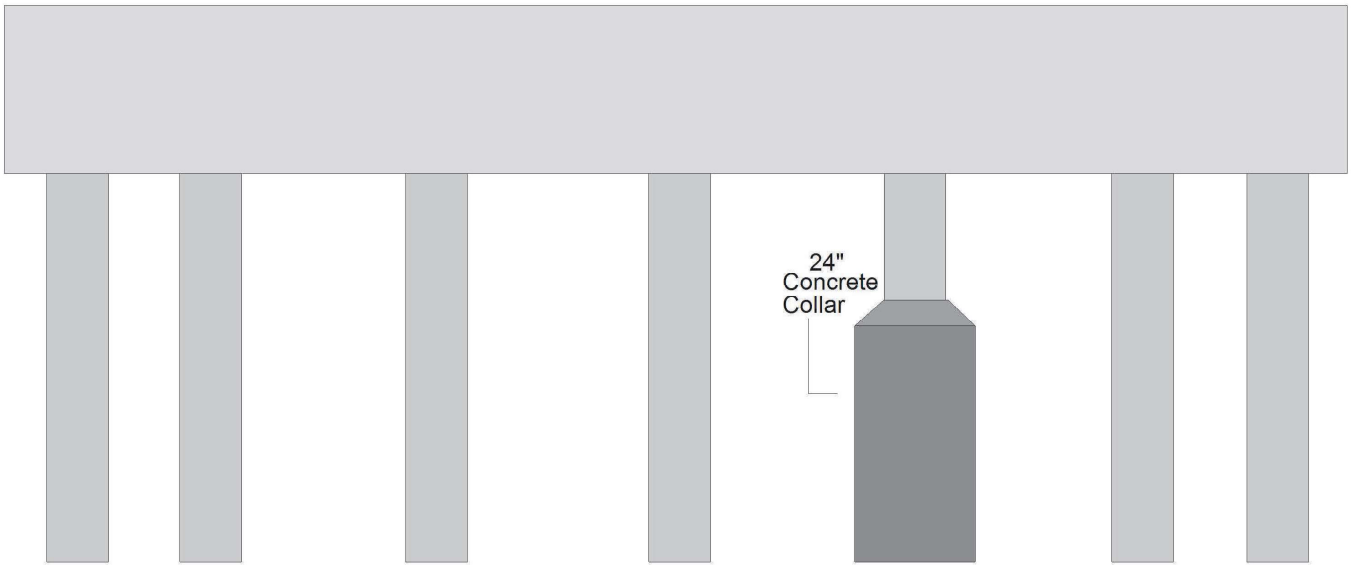
BEAM DETAILS
W27x94

SKETCH REVISED BY BKE ON 3.10.2021 (CHANGES IN RED)

Title	Description
TYPICAL SECTION 2	4 LINES OF STEEL I-BEAMS

Bridge No:	Drawn By:	Date:	File Name:
680038	P.D. IPOCK	3-23-11	S0050000597

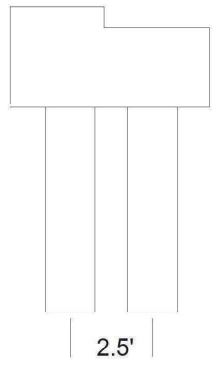
Bridge Inspection Field Sketch



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.
29.00 ft.	5.00 ft.	3.625 ft.	1.583 ft.	1.50 ft.	2.50 ft.	2.50 ft.

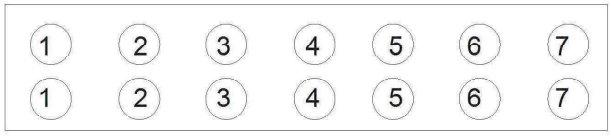
Pile #	Material	Spacing	Width/Dia.		Length	Orientation	Driven?	Replacement?	Removed?	Collar?
1	Concrete	2.875 ft.	1.333 ft.	16" Oct.		A-Frame	Yes	No	No	No
2	Concrete	4.875 ft.	1.333 ft.	16" Oct.		A-Frame	Yes	No	No	No
3	Concrete	5.25 ft.	1.333 ft.	16" Oct.		A-Frame	Yes	No	No	No
4	Concrete	5.083 ft.	1.333 ft.	16" Oct.		A-Frame	Yes	No	No	No
5	Concrete	4.917 ft.	1.333 ft.	16" Oct.		A-Frame	Yes	No	No	Yes
6	Concrete	2.917 ft.	1.333 ft.	16" Oct.		A-Frame	Yes	No	No	No
7	Concrete		1.333 ft.	16" Oct.		A-Frame	Yes	No	No	No

Bent: 1 Similar Bents: 3

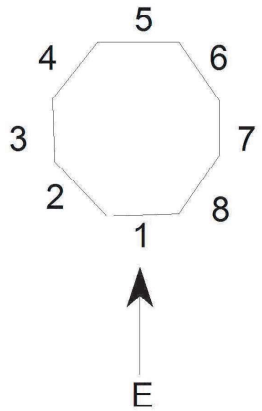


NORTH END OF BENT

PLAN VIEW



FACE NUMBER
FOR 16" OCT. PPC PILES

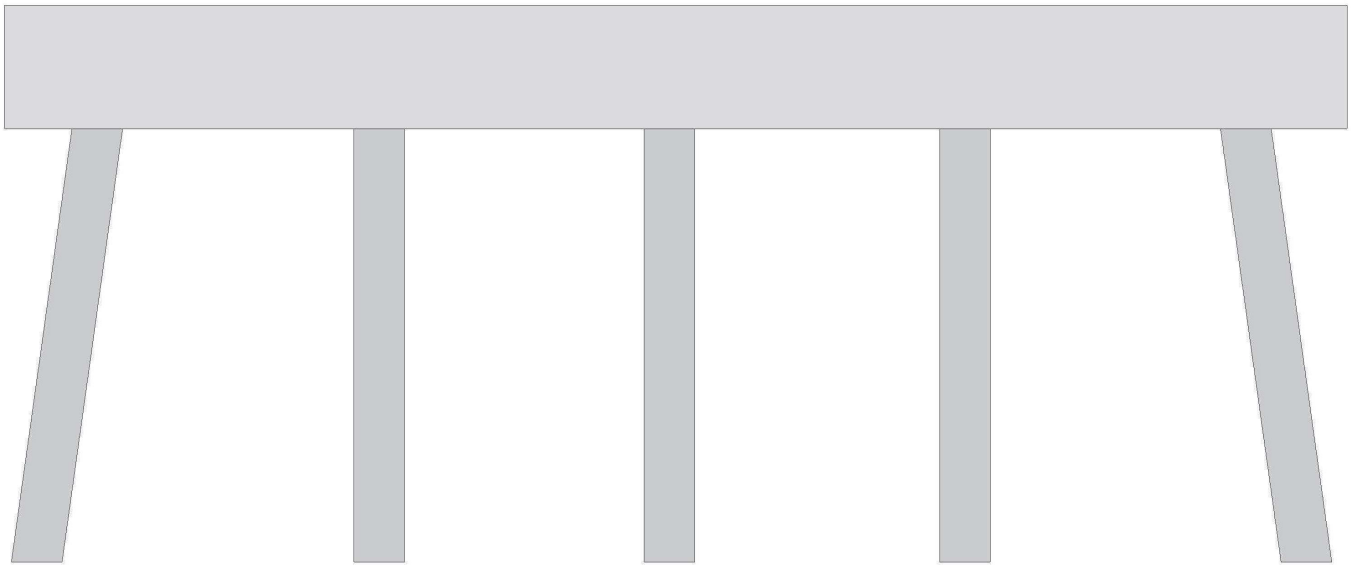


SKETCH VERIFIED BY BKE ON 3.10.2021

Title	Description
BENT PROFILE	BENTS 1 AND 3

Bridge No:	Drawn By:	Date:	File Name:
680038	P.D.IPOCK	3-23-11	S0050000594

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.
26.50 ft.	2.50 ft.	2.417 ft.	1.833 ft.	1.917 ft.	1.292 ft.	1.292 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	5.646 ft.	1.00 ft.	1.00 ft.		Battered	Yes	No	No	No
2	Concrete	5.729 ft.	1.00 ft.	1.00 ft.		Vertical	Yes	No	No	No
3	Concrete	5.833 ft.	1.00 ft.	1.00 ft.		Vertical	Yes	No	No	No
4	Concrete	5.542 ft.	1.00 ft.	1.00 ft.		Vertical	Yes	No	No	No
5	Concrete					Battered	Yes	No	No	No

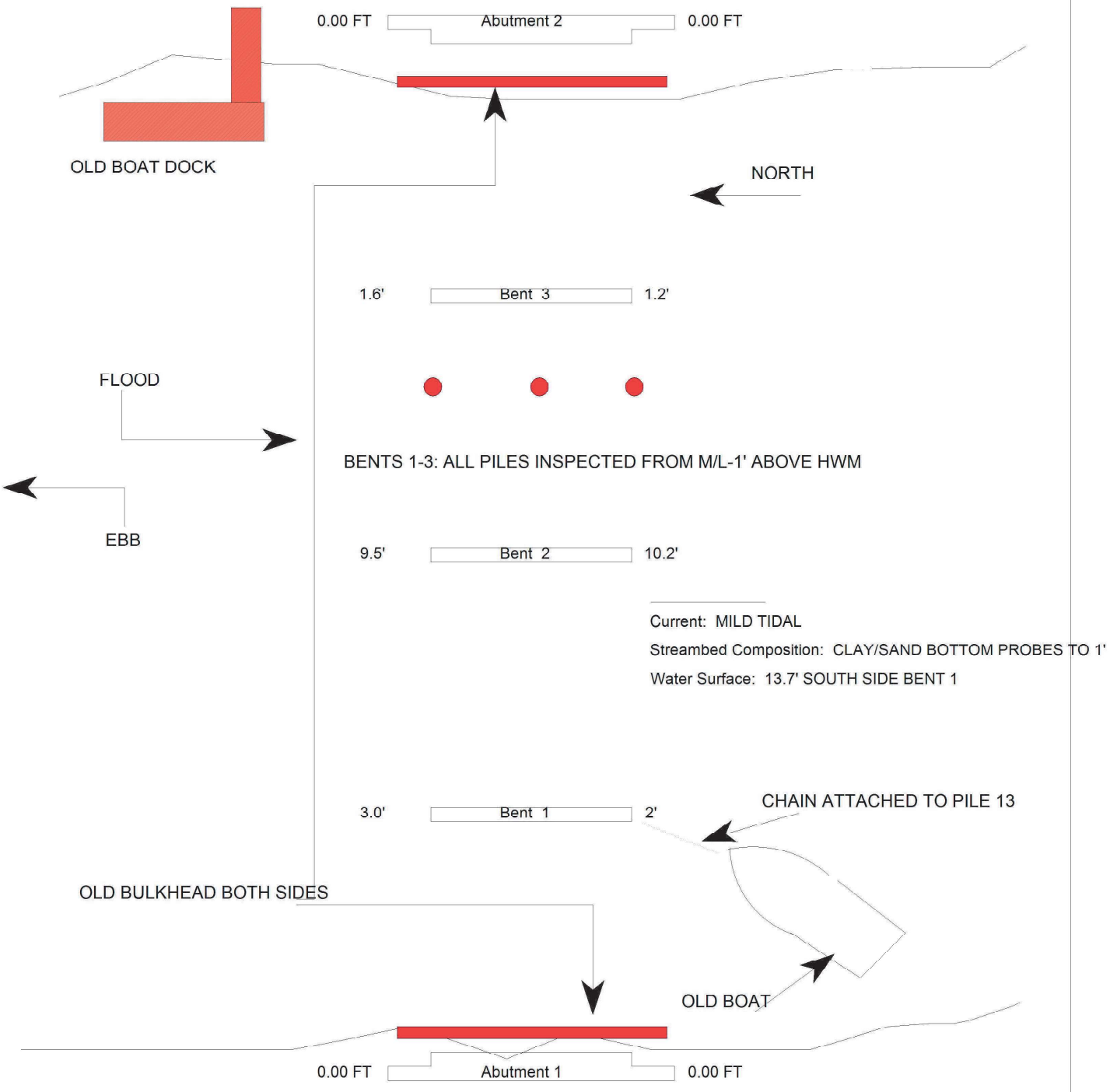
Bent: 2

SKETCH VERIFIED BY BKE ON 3.10.2021

Title	**Description**
BENT PROFILE 2	BENT 2

Bridge No: 680038	**Drawn By:** P.D.IPOCK	**Date:** 3-23-11	**File Name:** S0050000596

Bridge Inspection Field Sketch



REVIEWED: 5/17/16

VERIFIED BY JER 5/11/20

Title	Description
PLAN VIEW	TOP VIEW

Bridge No:	Drawn By:	Date:	File Name:
680038	PGR	4/1/2009	S0178000175

Bridge Inspection Field Sketch

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Title	Description
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Bridge No:	Drawn By:	Date:	File Name:
680038	PGRB/ Reviewed By PDI	4/1/2009	S0178000176

Bridge Inspection Field Sketch

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Title	Description
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Bridge No:	Drawn By:	Date:	File Name:
680038	PGR/ Reviewed By PDI	4/1/2009	S0178000177